

RINA.RINew.IntegrationService.Client
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Chapter 1

Namespace Index

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Chapter 2

Hierarchical Index

2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

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Il filtro che sarà applicato dall'Integration Service per capire quali entità recuperare.	39
RINA.RINew.IntegrationService.Client.IIntegrationService	
Interfaccia che mappa i metodi dell'Integration Service, di modo che siano facilmente fruibili in ambiente .NET e di modo che alcune implementazioni "condivisibili" siano realmente condivise tra più fornitori	40
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Chapter 5

Namespace Documentation

5.1 Package RINA

Namespaces

- package [RINew](#)

5.2 Package RINA.RINew

Namespaces

- package [IntegrationService](#)

5.3 Package RINA.RINew.IntegrationService

Namespaces

- package [Client](#)

5.4 Package RINA.RINew.IntegrationService.Client

Namespaces

- package [Attributes](#)
- package [Core](#)
- package [Exceptions](#)
- package [Extensions](#)
- package [Parameters](#)
- package [Requests](#)
- package [Responses](#)
- package [Results](#)

Classes

- class [AbstractIntegrationService](#)

Classe base da cui partire per sviluppare una nuova implementazione di [IntegrationService](#).

- interface [IntegrationService](#)

Interfaccia che mappa i metodi dell'Integration Service, di modo che siano facilmente fruibili in ambiente .NET e di modo che alcune implementazioni "condivisibili" siano realmente condivise tra più fornitori

- class [MockIntegrationService](#)

Implementazione di mock per simulare l'accesso all'Integration Service.

- class [StandardIntegrationService](#)

Implementazione standard del client per l'Integration Service.

5.5 Package RINA.RINew.IntegrationService.Client.Attributes

Classes

- class [OptionalAttribute](#)

Indica che una certa proprietà è opzionale.

- class [RequiredAttribute](#)

Indica che una certa proprietà deve essere valorizzata.

5.6 Package RINA.RINew.IntegrationService.Client.Core

Namespaces

- package [SimpleImpersonation](#)

Classes

- class **ExchangeFormatHandler**

Metodi che leggono il formato di interscambio e traducono gli oggetti in esso.

- interface [IRequestTracer](#)

Interfaccia che descrive un oggetto che tiene traccia delle comunicazioni avvenute con un dato servizio.

- class **ObjectToDictionaryRegistry**

Loads the values of an object's properties into a `IDictionary<String, Object>`

5.7 Package RINA.RINew.IntegrationService.Client.Core.SimpleImpersonation

Classes

- class [Impersonation](#)
- class **NativeMethods**
- class **SafeTokenHandle**

Enumerations

- enum [LogonType](#) {
[LogonType.Interactive](#) = 2, [LogonType.Network](#) = 3, [LogonType.Batch](#) = 4, [LogonType.Service](#) = 5,
[LogonType.Unlock](#) = 7, [LogonType.NetworkCleartext](#) = 8, [LogonType.NewCredentials](#) = 9 }

Specifies the type of login used. <http://msdn.microsoft.com/en-us/library/windows/desktop/aa378184.aspx>

5.7.1 Enumeration Type Documentation

5.7.1.1 enum RINA.RINew.IntegrationService.Client.Core.SimpleImpersonation.LogonType

Specifies the type of login used. <http://msdn.microsoft.com/en-us/library/windows/desktop/aa378184.aspx>

Enumerator

Interactive This logon type is intended for users who will be interactively using the computer, such as a user being logged on by a terminal server, remote shell, or similar process. This logon type has the additional expense of caching logon information for disconnected operations; therefore, it is inappropriate for some client/server applications, such as a mail server.

Network This logon type is intended for high performance servers to authenticate plaintext passwords. The LogonUser function does not cache credentials for this logon type.

Batch This logon type is intended for batch servers, where processes may be executing on behalf of a user without their direct intervention. This type is also for higher performance servers that process many plaintext authentication attempts at a time, such as mail or web servers.

Service Indicates a service-type logon. The account provided must have the service privilege enabled.

Unlock GINAs are no longer supported. Windows Server 2003 and Windows XP: This logon type is for GINA DLLs that log on users who will be interactively using the computer. This logon type can generate a unique audit record that shows when the workstation was unlocked.

NetworkCleartext This logon type preserves the name and password in the authentication package, which allows the server to make connections to other network servers while impersonating the client. A server can accept plaintext credentials from a client, call LogonUser, verify that the user can access the system across the network, and still communicate with other servers.

NewCredentials This logon type allows the caller to clone its current token and specify new credentials for outbound connections. The new logon session has the same local identifier but uses different credentials for other network connections. This logon type is supported only by the LOGON32_PROVIDER_WINNT50 logon provider.

Definition at line 6 of file [LogonType.cs](#).

5.8 Package RINA.RINew.IntegrationService.Client.Exceptions

Classes

- class [ServiceErrorException](#)

*Usata quando il servizio di sincronizzazione va in errore per colpa di una richiesta errata (codice HTTP 4**).*

5.9 Package RINA.RINew.IntegrationService.Client.Extensions

Namespaces

- package [Entities](#)

Classes

- class **IntegrationServiceExtensions**

Estensioni, non standard, per il servizio di integrazione di [RINew](#).

5.10 Package RINA.RINew.IntegrationService.Client.Extensions.Entities

Namespaces

- package [SendData](#)

5.11 Package RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData

Classes

- class [PunchInfoExt](#)
Rappresenta un [PunchInfoExt](#), inviabile tramite una chiamata a [IntegrationService.SendData](#) oppure tramite [IntegrationService.SendData<TItem>](#).
- class [Work](#)
Rappresenta un [Work](#), inviabile tramite una chiamata a [IntegrationService.SendData](#) oppure tramite [IntegrationService.SendData<TItem>](#).

5.12 Package RINA.RINew.IntegrationService.Client.Parameters

Classes

- class [AbstractParameters](#)
Classe astratta che contiene tutte le proprietà che devono essere condivise dai parametri delle chiamate al servizio di integrazione.
- class [CreatePurchaseOrderLine](#)
Rappresenta un riga della richiesta d'acquisto.
- class [CreatePurchaseOrderParameters](#)
I parametri richiesti da [IntegrationService.CreatePurchaseOrder](#).
- class [GetDataParameters](#)
I parametri richiesti da [IntegrationService.GetData](#).
- class [GetDataSearchFilter](#)
Il filtro che sarà applicato dall'Integration Service per capire quali entità recuperare.
- class [SendDataParameters](#)
I parametri richiesti da [IntegrationService.SendData](#).
- class [SendPunchDataOvertime](#)
Rappresenta una riga di overtime per [IntegrationService.SendPunchData](#).
- class [SendPunchDataParameters](#)
I parametri richiesti da [IntegrationService.SendPunchData](#).
- class [SendTrayDataParameters](#)
I parametri richiesti da [IntegrationService.SendTrayData](#).
- class [SendTrayDataTask](#)
Riga di task nel vassoio.
- class [SendTrayDataTeam](#)
Riga di team nel vassoio.

Enumerations

- enum [GetDataFilterOperator](#) : byte {
[GetDataFilterOperator.Equal](#) = 1, [GetDataFilterOperator.Greater](#) = 2, [GetDataFilterOperator.GreaterEqual](#) = 3, [GetDataFilterOperator.Less](#) = 4,
[GetDataFilterOperator.LessEqual](#) = 5, [GetDataFilterOperator.NotEqual](#) = 6 }
L'operatore associato al filtro. L'operazione viene applicata in OR rispettivamente ai valori contenuti nel filtro.
- enum [SendTrayDataTaskStatus](#) { [SendTrayDataTaskStatus.Open](#), [SendTrayDataTaskStatus.Closed](#) }
Lo stato di un task.

5.12.1 Enumeration Type Documentation

5.12.1.1 enum RINA.RINew.IntegrationService.Client.Parameters.GetDataFilterOperator : byte

L'operatore associato al filtro. L'operazione viene applicata in OR rispettivamente ai valori contenuti nel filtro.

Enumerator

- Equal** La colonna indicata deve essere uguale a uno dei valori specificati nel filtro.
- Greater** La colonna indicata deve essere maggiore di uno dei valori specificati nel filtro.
- GreaterEqual** La colonna indicata deve essere maggiore o uguale a uno dei valori specificati nel filtro.
- Less** La colonna indicata deve essere minore di uno dei valori specificati nel filtro.
- LessEqual** La colonna indicata deve essere minore o uguale a uno dei valori specificati nel filtro.
- NotEqual** La colonna indicata deve essere diversa da uno dei valori specificati nel filtro.

Definition at line 76 of file [GetDataParameters.cs](#).

5.12.1.2 enum RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataTaskStatus

Lo stato di un task.

Enumerator

- Open** Task aperto.
- Closed** Task chiuso.

Definition at line 214 of file [SendTrayDataParameters.cs](#).

5.13 Package RINA.RINew.IntegrationService.Client.Requests

Classes

- class [CreatePurchaseOrderItem](#)
Classe interna usata per preparare la request.
- class [CreatePurchaseOrderNode](#)
Classe interna usata per preparare la request.
- class [CreatePurchaseOrderRequest](#)
Parameteri richiesti dal metodo CreatePurchaseOrder del servizio di integrazione.
- class [GetDataRequest](#)
Parameteri richiesti dal metodo GetData del servizio di integrazione.
- class **GetDataSearchFilter**
Classe interna usata per preparare il filtro.

- class **GetDataSearchFilters**

Classe interna usata per preparare il filtro.

- class [SendDataRequest](#)

Parameteri richiesti dal metodo SendData del servizio di integrazione.

5.14 Package RINA.RINew.IntegrationService.Client.Responses

Classes

- class [AbstractSendDataResponse](#)

Classe astratta che contiene tutte le proprietà che devono essere condivise dalle risposte delle chiamate al servizio di integrazione che vanno in scrittura su Dynamics.

- class [CreatePurchaseOrderResponse](#)

La risposta al metodo CreatePurchaseOrder del servizio di integrazione.

- class [GetDataResponse](#)

La risposta al metodo GetData del servizio di integrazione.

- class [SendDataOverall](#)

Classe interna usata per leggere la risposta.

- class [SendDataOverallResult](#)

Classe interna usata per leggere la risposta.

- class [SendDataResponse](#)

La risposta al metodo SendData del servizio di integrazione.

5.15 Package RINA.RINew.IntegrationService.Client.Results

Classes

- class [AbstractResult](#)

Classe astratta che contiene tutte le proprietà che devono essere condivise dai risultati delle chiamate al servizio di integrazione.

- class [AbstractSendDataItem](#)

Classe astratta che contiene tutte le proprietà che devono essere condivise dagli oggetti prodotti dal riassunto dell'operazione di scrittura.

- class [AbstractSendDataResult](#)

Classe astratta che contiene tutte le proprietà che devono essere condivise dai risultati delle chiamate al servizio di integrazione che vanno in scrittura su Dynamics.

- class [CreatePurchaseOrderItem](#)

Rappresenta una riga contenuta nell'output del servizio di integrazione.

- class [CreatePurchaseOrderResult](#)

Il risultato restituito da [IIntegrationService.CreatePurchaseOrder](#).

- class [GetDataResult](#)

Il risultato restituito da [IIntegrationService.GetData](#). Le righe sono rappresentate come un dizionario.

- class [SendDataItem](#)

Rappresenta una riga contenuta nell'output del servizio di integrazione.

- class [SendDataResult](#)

Il risultato restituito da [IIntegrationService.SendData](#).

- class [SendPunchDataItem](#)

Rappresenta una riga contenuta nell'output del servizio di integrazione.

- class [SendPunchDataResult](#)

Il risultato restituito da [IIntegrationService.SendPunchData](#).

- class [SendTrayDataItem](#)
Rappresenta una riga contenuta nell'output del servizio di integrazione.
- class [SendTrayDataResult](#)
Il risultato restituito da [IIntegrationService.SendTrayData](#).

Enumerations

- enum [SendDataStatus](#) : byte { [SendDataStatus.None](#) = 0, [SendDataStatus.Ko](#) = 1, [SendDataStatus.Ok](#) = 2 }
Indica lo stato finale dell'operazione di scrittura.
- enum [SendDataOperation](#) : byte { [SendDataOperation.None](#) = 0, [SendDataOperation.C](#) = 1, [SendDataOperation.U](#) = 2 }
Indica il tipo di operazione di scrittura.

5.15.1 Enumeration Type Documentation

5.15.1.1 enum RINA.RINew.IntegrationService.Client.Results.SendDataOperation : byte

Indica il tipo di operazione di scrittura.

Enumerator

- None** Non deve essere usata, lasciata come default.
- C** Indica che una nuova riga è stata creata.
- U** Indica che è stata effettuata un'operazione di aggiornamento.

Definition at line 62 of file [AbstractSendDataResult.cs](#).

5.15.1.2 enum RINA.RINew.IntegrationService.Client.Results.SendDataStatus : byte

Indica lo stato finale dell'operazione di scrittura.

Enumerator

- None** Non deve essere usata, lasciata come default.
- Ko** Il servizio di integrazione ha segnalato un errore.
- Ok** Il servizio di integrazione ha segnalato che è tutto OK.

Definition at line 41 of file [AbstractSendDataResult.cs](#).

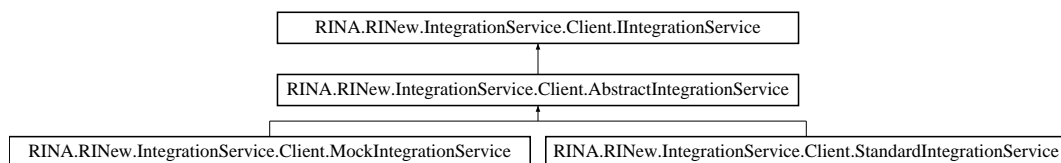
Chapter 6

Class Documentation

6.1 RINA.RINew.IntegrationService.Client.AbstractIntegrationService Class Reference

Classe base da cui partire per sviluppare una nuova implementazione di [IntegrationService](#).

Inheritance diagram for RINA.RINew.IntegrationService.Client.AbstractIntegrationService:



Public Member Functions

- [GetDataResult GetData](#) ([GetDataParameters](#) p)
Vedi la documentazione originale su [IntegrationService.GetData](#).
- [GetDataResult< TItem > GetData< TItem >](#) ([GetDataParameters](#) p)
Vedi la documentazione originale su [IntegrationService.GetData< TItem >](#).
- [SendDataResult SendData](#) ([SendDataParameters](#) p)
Vedi la documentazione originale su [IntegrationService.SendData](#).
- [SendDataResult SendData< TItem >](#) ([SendDataParameters< TItem >](#) p)
Vedi la documentazione originale su [IntegrationService.SendData< TItem >](#).
- [CreatePurchaseOrderResult CreatePurchaseOrder](#) ([CreatePurchaseOrderParameters](#) p)
Vedi la documentazione originale su [IntegrationService.CreatePurchaseOrder](#).
- [SendTrayDataResult SendTrayData](#) ([SendTrayDataParameters](#) p)
Vedi la documentazione originale su [IntegrationService.SendTrayData](#).
- [SendPunchDataResult SendPunchData](#) ([SendPunchDataParameters](#) p)
Vedi la documentazione originale su [IntegrationService.SendPunchData](#).

Protected Member Functions

- abstract [GetDataResult GetDataInternal](#) ([GetDataParameters](#) p)
Vedi la documentazione originale di [IntegrationService.GetData](#).
- abstract [GetDataResult< TItem > GetDataInternal< TItem >](#) ([GetDataParameters](#) p)
Vedi la documentazione originale di [IntegrationService.GetData< TItem >](#).
- abstract [SendDataResult SendDataInternal](#) ([SendDataParameters](#) p)

Vedi la documentazione originale di [IntegrationService.SendData](#).

- abstract [SendDataResult SendDataInternal< TItem > \(SendDataParameters< TItem > p\)](#)

Vedi la documentazione originale di [IntegrationService.SendData< TItem >](#).

- abstract [CreatePurchaseOrderResult CreatePurchaseOrderInternal \(CreatePurchaseOrderParameters p\)](#)

Vedi la documentazione originale di [IntegrationService.CreatePurchaseOrder](#).

- abstract [SendTrayDataResult SendTrayDataInternal \(SendTrayDataParameters p\)](#)

Vedi la documentazione originale di [IntegrationService.SendTrayData](#).

- abstract [SendPunchDataResult SendPunchDataInternal \(SendPunchDataParameters p\)](#)

Vedi la documentazione originale di [IntegrationService.SendPunchData](#).

6.1.1 Detailed Description

Classe base da cui partire per sviluppare una nuova implementazione di [IntegrationService](#).

Le due implementazioni standard, [StandardIntegrationService](#) e [MockIntegrationService](#), ereditano proprio da questa classe, la quale si occupa di gestire alcune cose "noiose" come i controlli di integrità.

Definition at line 16 of file [AbstractIntegrationService.cs](#).

6.1.2 Member Function Documentation

6.1.2.1 [CreatePurchaseOrderResult](#) RINA.RINew.IntegrationService.Client.AbstractIntegrationService.CreatePurchaseOrder ([CreatePurchaseOrderParameters p](#))

Vedi la documentazione originale su [IntegrationService.CreatePurchaseOrder](#).

Implements [RINA.RINew.IntegrationService.Client.IIntegrationService](#).

Definition at line 187 of file [AbstractIntegrationService.cs](#).

6.1.2.2 abstract [CreatePurchaseOrderResult](#) RINA.RINew.IntegrationService.Client.AbstractIntegrationService.CreatePurchaseOrderInternal ([CreatePurchaseOrderParameters p](#)) [protected], [pure virtual]

Vedi la documentazione originale di [IntegrationService.CreatePurchaseOrder](#).

Implemented in [RINA.RINew.IntegrationService.Client.MockIntegrationService](#), and [RINA.RINew.IntegrationService.Client.StandardIntegrationService](#).

6.1.2.3 [GetDataResult](#) RINA.RINew.IntegrationService.Client.AbstractIntegrationService.GetData ([GetDataParameters p](#))

Vedi la documentazione originale su [IntegrationService.GetData](#).

Implements [RINA.RINew.IntegrationService.Client.IIntegrationService](#).

Definition at line 63 of file [AbstractIntegrationService.cs](#).

6.1.2.4 [GetDataResult<TItem>](#) RINA.RINew.IntegrationService.Client.AbstractIntegrationService.GetData<TItem> ([GetDataParameters p](#))

Vedi la documentazione originale su [IntegrationService.GetData<TItem>](#).

Implements [RINA.RINew.IntegrationService.Client.IIntegrationService](#).

Type Constraints

TItem : *class*

Definition at line 104 of file [AbstractIntegrationService.cs](#).

6.1.2.5 `abstract GetDataResult RINA.RINew.IntegrationService.Client.AbstractIntegrationService.GetDataInternal (GetDataParameters p) [protected], [pure virtual]`

Vedi la documentazione originale di [IIntegrationService.GetData](#).

Implemented in [RINA.RINew.IntegrationService.Client.StandardIntegrationService](#), and [RINA.RINew.IntegrationService.Client.MockIntegrationService](#).

6.1.2.6 `abstract GetDataResult<TItem> RINA.RINew.IntegrationService.Client.AbstractIntegrationService.GetDataInternal< TItem > (GetDataParameters p) [protected], [pure virtual]`

Vedi la documentazione originale di [IIntegrationService.GetData<TItem>](#).

Implemented in [RINA.RINew.IntegrationService.Client.MockIntegrationService](#), and [RINA.RINew.IntegrationService.Client.StandardIntegrationService](#).

Type Constraints

TItem : class

6.1.2.7 `SendDataResult RINA.RINew.IntegrationService.Client.AbstractIntegrationService.SendData (SendDataParameters p)`

Vedi la documentazione originale su [IIntegrationService.SendData](#).

Implements [RINA.RINew.IntegrationService.Client.IIntegrationService](#).

Definition at line 146 of file [AbstractIntegrationService.cs](#).

6.1.2.8 `SendDataResult RINA.RINew.IntegrationService.Client.AbstractIntegrationService.SendData< TItem > (SendDataParameters< TItem > p)`

Vedi la documentazione originale su [IIntegrationService.SendData<TItem>](#).

Implements [RINA.RINew.IntegrationService.Client.IIntegrationService](#).

Type Constraints

TItem : class

Definition at line 168 of file [AbstractIntegrationService.cs](#).

6.1.2.9 `abstract SendDataResult RINA.RINew.IntegrationService.Client.AbstractIntegrationService.SendDataInternal (SendDataParameters p) [protected], [pure virtual]`

Vedi la documentazione originale di [IIntegrationService.SendData](#).

Implemented in [RINA.RINew.IntegrationService.Client.MockIntegrationService](#), and [RINA.RINew.IntegrationService.Client.StandardIntegrationService](#).

6.1.2.10 `abstract SendDataResult RINA.RINew.IntegrationService.Client.AbstractIntegrationService.SendDataInternal< TItem > (SendDataParameters< TItem > p) [protected], [pure virtual]`

Vedi la documentazione originale di [IIntegrationService.SendData<TItem>](#).

Implemented in [RINA.RINew.IntegrationService.Client.MockIntegrationService](#), and [RINA.RINew.IntegrationService.Client.StandardIntegrationService](#).

6.1.2.11 **SendPunchDataResult** [RINA.RINew.IntegrationService.Client.AbstractIntegrationService.SendPunchData \(SendPunchDataParameters p \)](#)

Vedi la documentazione originale su [IntegrationService.SendPunchData](#).

Implements [RINA.RINew.IntegrationService.Client.IIntegrationService](#).

Definition at line 209 of file [AbstractIntegrationService.cs](#).

6.1.2.12 **abstract SendPunchDataResult** [RINA.RINew.IntegrationService.Client.AbstractIntegrationService.SendPunchDataInternal \(SendPunchDataParameters p \)](#) [protected], [pure virtual]

Vedi la documentazione originale di [IIntegrationService.SendPunchData](#).

Implemented in [RINA.RINew.IntegrationService.Client.MockIntegrationService](#), and [RINA.RINew.IntegrationService.Client.StandardIntegrationService](#).

6.1.2.13 **SendTrayDataResult** [RINA.RINew.IntegrationService.Client.AbstractIntegrationService.SendTrayData \(SendTrayDataParameters p \)](#)

Vedi la documentazione originale su [IntegrationService.SendTrayData](#).

Implements [RINA.RINew.IntegrationService.Client.IIntegrationService](#).

Definition at line 198 of file [AbstractIntegrationService.cs](#).

6.1.2.14 **abstract SendTrayDataResult** [RINA.RINew.IntegrationService.Client.AbstractIntegrationService.SendTrayDataInternal \(SendTrayDataParameters p \)](#) [protected], [pure virtual]

Vedi la documentazione originale di [IIntegrationService.SendTrayData](#).

Implemented in [RINA.RINew.IntegrationService.Client.MockIntegrationService](#), and [RINA.RINew.IntegrationService.Client.StandardIntegrationService](#).

The documentation for this class was generated from the following file:

- [AbstractIntegrationService.cs](#)

6.2 **RINA.RINew.IntegrationService.Client.Parameters.AbstractParameters** Class Reference

Classe astratta che contiene tutte le proprietà che devono essere condivise dai parametri delle chiamate al servizio di integrazione.

Inheritance diagram for [RINA.RINew.IntegrationService.Client.Parameters.AbstractParameters](#):



Protected Member Functions

- [AbstractParameters \(\)](#)

Inizializza i valori di default per i parametri del servizio.

Properties

- string [ServiceMethodName](#) [get, set]
Il nome del metodo del servizio. Viene valorizzato in automatico, ma si lascia aperta la modifica in caso di cambiamenti non previsti.
- string [RequestXmlSchema](#) [get, set]
Lo schema XML associato a ciascuna request. Viene valorizzato in automatico, ma si lascia aperta la modifica in caso di cambiamenti non previsti.

6.2.1 Detailed Description

Classe astratta che contiene tutte le proprietà che devono essere condivise dai parametri delle chiamate al servizio di integrazione.

Definition at line 11 of file [AbstractParameters.cs](#).

6.2.2 Constructor & Destructor Documentation

6.2.2.1 RINA.RINew.IntegrationService.Client.Parameters.AbstractParameters.AbstractParameters () [protected]

Inizializza i valori di default per i parametri del servizio.

Definition at line 16 of file [AbstractParameters.cs](#).

6.2.3 Property Documentation

6.2.3.1 string RINA.RINew.IntegrationService.Client.Parameters.AbstractParameters.RequestXmlSchema [get], [set]

Lo schema XML associato a ciascuna request. Viene valorizzato in automatico, ma si lascia aperta la modifica in caso di cambiamenti non previsti.

La proprietà viene valorizzata in automatico, usarla solo in caso di emergenza.

Definition at line 40 of file [AbstractParameters.cs](#).

6.2.3.2 string RINA.RINew.IntegrationService.Client.Parameters.AbstractParameters.ServiceMethodName [get], [set]

Il nome del metodo del servizio. Viene valorizzato in automatico, ma si lascia aperta la modifica in caso di cambiamenti non previsti.

La proprietà viene valorizzata in automatico, usarla solo in caso di emergenza.

Definition at line 30 of file [AbstractParameters.cs](#).

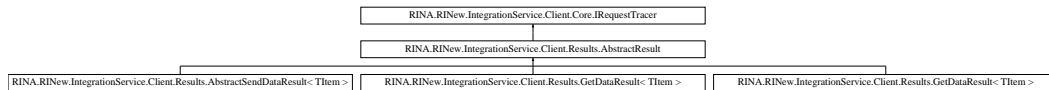
The documentation for this class was generated from the following file:

- Parameters/[AbstractParameters.cs](#)

6.3 RINA.RINew.IntegrationService.Client.Results.AbstractResult Class Reference

Classe astratta che contiene tutte le proprietà che devono essere condivise dai risultati delle chiamate al servizio di integrazione.

Inheritance diagram for RINA.RINew.IntegrationService.Client.Results.AbstractResult:



Properties

- string [RawRequest](#) [get, set]
La request inviata, non processata in alcun modo.
- string [RawResponse](#) [get, set]
La response ricevuta, non processata in alcun modo.

6.3.1 Detailed Description

Classe astratta che contiene tutte le proprietà che devono essere condivise dai risultati delle chiamate al servizio di integrazione.

Definition at line 11 of file [AbstractResult.cs](#).

6.3.2 Property Documentation

6.3.2.1 string RINA.RINew.IntegrationService.Client.Results.AbstractResult.RawRequest [get], [set]

La request inviata, non processata in alcun modo.

Definition at line 16 of file [AbstractResult.cs](#).

6.3.2.2 string RINA.RINew.IntegrationService.Client.Results.AbstractResult.RawResponse [get], [set]

La response ricevuta, non processata in alcun modo.

Definition at line 21 of file [AbstractResult.cs](#).

The documentation for this class was generated from the following file:

- Results/[AbstractResult.cs](#)

6.4 RINA.RINew.IntegrationService.Client.Results.AbstractSendDataItem Class Reference

Classe astratta che contiene tutte le proprietà che devono essere condivise dagli oggetti prodotti dal riassunto dell'operazione di scrittura.

Inheritance diagram for RINA.RINew.IntegrationService.Client.Results.AbstractSendDataItem:



Properties

- [SendDataStatus Status](#) [get, set]
Indica lo stato della singola operazione di scrittura.
- string [Message](#) [get, set]

L'eventuale messaggio riportato dal servizio di integrazione. Questo campo è (quasi) sicuramente popolato nel caso in cui lo stato dell'operazione sia negativo.

- [SendDataOperation](#) [Operation](#) [get, set]

Il tipo di operazione che è stato effettuato sulla riga.

- string [LegacyId](#) [get, set]

Il nome dell'entità sui sistemi "legacy".

- string [DynamicsId](#) [get, set]

Il nome dell'entità su Dynamics.

6.4.1 Detailed Description

Classe astratta che contiene tutte le proprietà che devono essere condivise dagli oggetti prodotti dal riassunto dell'operazione di scrittura.

Definition at line 85 of file [AbstractSendDataResult.cs](#).

6.4.2 Property Documentation

6.4.2.1 string [RINA.RINew.IntegrationService.Client.Results.AbstractSendDataItem.DynamicsId](#) [get], [set]

Il nome dell'entità su Dynamics.

Definition at line 116 of file [AbstractSendDataResult.cs](#).

6.4.2.2 string [RINA.RINew.IntegrationService.Client.Results.AbstractSendDataItem.LegacyId](#) [get], [set]

Il nome dell'entità sui sistemi "legacy".

Definition at line 110 of file [AbstractSendDataResult.cs](#).

6.4.2.3 string [RINA.RINew.IntegrationService.Client.Results.AbstractSendDataItem.Message](#) [get], [set]

L'eventuale messaggio riportato dal servizio di integrazione. Questo campo è (quasi) sicuramente popolato nel caso in cui lo stato dell'operazione sia negativo.

Definition at line 98 of file [AbstractSendDataResult.cs](#).

6.4.2.4 [SendDataOperation](#) [RINA.RINew.IntegrationService.Client.Results.AbstractSendDataItem.Operation](#) [get], [set]

Il tipo di operazione che è stato effettuato sulla riga.

Definition at line 104 of file [AbstractSendDataResult.cs](#).

6.4.2.5 [SendDataStatus](#) [RINA.RINew.IntegrationService.Client.Results.AbstractSendDataItem.Status](#) [get], [set]

Indica lo stato della singola operazione di scrittura.

Definition at line 91 of file [AbstractSendDataResult.cs](#).

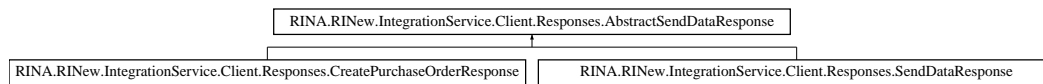
The documentation for this class was generated from the following file:

- Results/[AbstractSendDataResult.cs](#)

6.5 RINA.RINew.IntegrationService.Client.Responses.AbstractSendDataResponse Class Reference

Classe astratta che contiene tutte le proprietà che devono essere condivise dalle risposte delle chiamate al servizio di integrazione che vanno in scrittura su Dynamics.

Inheritance diagram for RINA.RINew.IntegrationService.Client.Responses.AbstractSendDataResponse:



Properties

- string [Result](#) [get, set]
La risposta XML del servizio di integrazione.

6.5.1 Detailed Description

Classe astratta che contiene tutte le proprietà che devono essere condivise dalle risposte delle chiamate al servizio di integrazione che vanno in scrittura su Dynamics.

Definition at line 12 of file [AbstractSendDataResponse.cs](#).

6.5.2 Property Documentation

6.5.2.1 string RINA.RINew.IntegrationService.Client.Responses.AbstractSendDataResponse.Result [get], [set]

La risposta XML del servizio di integrazione.

Definition at line 19 of file [AbstractSendDataResponse.cs](#).

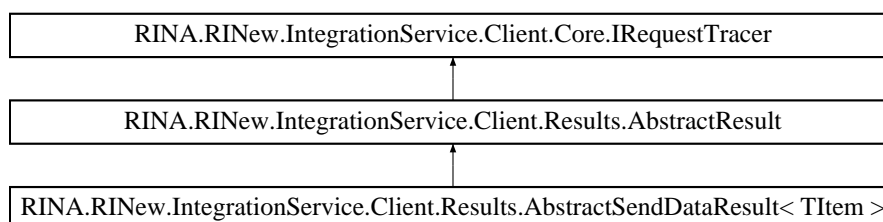
The documentation for this class was generated from the following file:

- Responses/[AbstractSendDataResponse.cs](#)

6.6 RINA.RINew.IntegrationService.Client.Results.AbstractSendDataResult< TItem > Class Template Reference

Classe astratta che contiene tutte le proprietà che devono essere condivise dai risultati delle chiamate al servizio di integrazione che vanno in scrittura su Dynamics.

Inheritance diagram for RINA.RINew.IntegrationService.Client.Results.AbstractSendDataResult< TItem >:



Properties

- [SendDataStatus OverallStatus](#) [get, set]
Indica lo stato complessivo dell'operazione di scrittura. Dipende dall'andamento delle singole operazioni: se almeno una è fallita, allora lo stato sarà negativo.
- string [OverallMessage](#) [get, set]
L'eventuale messaggio riportato dal servizio di integrazione. Questo campo è (quasi) sicuramente popolato nel caso in cui lo stato dell'operazione sia negativo.
- IEnumerable< TItem > [Items](#) [get, set]
Il riassunto di tutte le righe manipolate durante l'operazione.

6.6.1 Detailed Description

Classe astratta che contiene tutte le proprietà che devono essere condivise dai risultati delle chiamate al servizio di integrazione che vanno in scrittura su Dynamics.

Type Constraints

TItem : [AbstractSendDataItem](#)

Definition at line 14 of file [AbstractSendDataResult.cs](#).

6.6.2 Property Documentation

6.6.2.1 `IEnumerable<TItem> RINA.RINew.IntegrationService.Client.Results.AbstractSendDataResult< TItem >.Items` [get], [set]

Il riassunto di tutte le righe manipolate durante l'operazione.

Definition at line 35 of file [AbstractSendDataResult.cs](#).

6.6.2.2 `string RINA.RINew.IntegrationService.Client.Results.AbstractSendDataResult< TItem >.OverallMessage` [get], [set]

L'eventuale messaggio riportato dal servizio di integrazione. Questo campo è (quasi) sicuramente popolato nel caso in cui lo stato dell'operazione sia negativo.

Definition at line 29 of file [AbstractSendDataResult.cs](#).

6.6.2.3 `SendDataStatus RINA.RINew.IntegrationService.Client.Results.AbstractSendDataResult< TItem >.OverallStatus` [get], [set]

Indica lo stato complessivo dell'operazione di scrittura. Dipende dall'andamento delle singole operazioni: se almeno una è fallita, allora lo stato sarà negativo.

Definition at line 22 of file [AbstractSendDataResult.cs](#).

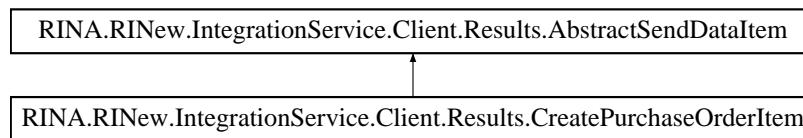
The documentation for this class was generated from the following file:

- Results/[AbstractSendDataResult.cs](#)

6.7 RINA.RINew.IntegrationService.Client.Results.CreatePurchaseOrderItem Class Reference

Rappresenta una riga contenuta nell'output del servizio di integrazione.

Inheritance diagram for RINA.RINew.IntegrationService.Client.Results.CreatePurchaseOrderItem:



Additional Inherited Members

6.7.1 Detailed Description

Rappresenta una riga contenuta nell'output del servizio di integrazione.

Definition at line 18 of file [CreatePurchaseOrderResult.cs](#).

The documentation for this class was generated from the following file:

- Results/[CreatePurchaseOrderResult.cs](#)

6.8 RINA.RINew.IntegrationService.Client.Requests.CreatePurchaseOrderItem Class Reference

Classe interna usata per preparare la request.

Properties

- string [Currency](#) [get, set]
Nodo interno usato per preparare la request.

6.8.1 Detailed Description

Classe interna usata per preparare la request.

Definition at line 51 of file [CreatePurchaseOrderRequest.cs](#).

6.8.2 Property Documentation

6.8.2.1 string RINA.RINew.IntegrationService.Client.Requests.CreatePurchaseOrderItem.Currency [get], [set]

Nodo interno usato per preparare la request.

Definition at line 58 of file [CreatePurchaseOrderRequest.cs](#).

The documentation for this class was generated from the following file:

- Requests/[CreatePurchaseOrderRequest.cs](#)

6.9 RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderLine Class Reference

Rappresenta un riga della richiesta d'acquisto.

Properties

- string [Currency](#) [get, set]
DA DOCUMENTARE!
- string [Messageld](#) [get, set]
DA DOCUMENTARE!
- string [Legacy](#) [get, set]
DA DOCUMENTARE!
- string [LegalEntity](#) [get, set]
DA DOCUMENTARE!
- decimal [PurchAgreementLineId](#) [get, set]
DA DOCUMENTARE!
- string [WorkCode](#) [get, set]
DA DOCUMENTARE!
- string [MategorialCategoryId](#) [get, set]
DA DOCUMENTARE!
- string [Resource](#) [get, set]
DA DOCUMENTARE!
- string [VendAccount](#) [get, set]
DA DOCUMENTARE!
- long [LineId](#) [get, set]
DA DOCUMENTARE!
- string [LegacyPurchId](#) [get, set]
DA DOCUMENTARE!
- DateTime [Date](#) [get, set]
DA DOCUMENTARE!
- decimal [Quantity](#) [get, set]
DA DOCUMENTARE!
- string [RequesterCode](#) [get, set]
DA DOCUMENTARE!
- string [CostCenter](#) [get, set]
DA DOCUMENTARE!
- string [Languageld](#) [get, set]
DA DOCUMENTARE!
- decimal [TotalDiscPerc](#) [get, set]
DA DOCUMENTARE!
- string [ExtDescriptionLegacy](#) [get, set]
DA DOCUMENTARE!
- long [Denomination](#) [get, set]
DA DOCUMENTARE!
- long [Coefficient](#) [get, set]
DA DOCUMENTARE!
- decimal [UnitPrice](#) [get, set]
DA DOCUMENTARE!
- decimal [LineDiscPerc](#) [get, set]
DA DOCUMENTARE!

6.9.1 Detailed Description

Rappresenta un riga della richiesta d'acquisto.

Definition at line 42 of file [CreatePurchaseOrderParameters.cs](#).

6.9.2 Property Documentation

6.9.2.1 `long RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderLine.Coefficient` [get], [set]

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 182 of file [CreatePurchaseOrderParameters.cs](#).

6.9.2.2 `string RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderLine.CostCenter` [get], [set]

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 147 of file [CreatePurchaseOrderParameters.cs](#).

6.9.2.3 `string RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderLine.Currency` [get], [set]

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 49 of file [CreatePurchaseOrderParameters.cs](#).

6.9.2.4 `DateTime RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderLine.Date` [get], [set]

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 126 of file [CreatePurchaseOrderParameters.cs](#).

6.9.2.5 `long RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderLine.Denomination` [get], [set]

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 175 of file [CreatePurchaseOrderParameters.cs](#).

6.9.2.6 `string RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderLine.ExtDescriptionLegacy` [get], [set]

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 168 of file [CreatePurchaseOrderParameters.cs](#).

6.9.2.7 `string RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderLine.Languageld` [get], [set]

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 154 of file [CreatePurchaseOrderParameters.cs](#).

6.9.2.8 string RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderLine.Legacy [get], [set]

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 63 of file [CreatePurchaseOrderParameters.cs](#).

6.9.2.9 string RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderLine.LegacyPurchId [get], [set]

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 119 of file [CreatePurchaseOrderParameters.cs](#).

6.9.2.10 string RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderLine.LegalEntity [get], [set]

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 70 of file [CreatePurchaseOrderParameters.cs](#).

6.9.2.11 decimal RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderLine.LineDiscPerc [get], [set]

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 196 of file [CreatePurchaseOrderParameters.cs](#).

6.9.2.12 long RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderLine.LineId [get], [set]

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 112 of file [CreatePurchaseOrderParameters.cs](#).

6.9.2.13 string RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderLine.MategorialCategoryId [get], [set]

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 91 of file [CreatePurchaseOrderParameters.cs](#).

6.9.2.14 string RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderLine.MessageId [get], [set]

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 56 of file [CreatePurchaseOrderParameters.cs](#).

6.9.2.15 decimal `RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderLine.PurchAgreementLineId` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 77 of file [CreatePurchaseOrderParameters.cs](#).

6.9.2.16 decimal `RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderLine.Quantity` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 133 of file [CreatePurchaseOrderParameters.cs](#).

6.9.2.17 string `RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderLine.RequesterCode` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 140 of file [CreatePurchaseOrderParameters.cs](#).

6.9.2.18 string `RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderLine.Resource` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 98 of file [CreatePurchaseOrderParameters.cs](#).

6.9.2.19 decimal `RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderLine.TotalDiscPerc` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 161 of file [CreatePurchaseOrderParameters.cs](#).

6.9.2.20 decimal `RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderLine.UnitPrice` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 189 of file [CreatePurchaseOrderParameters.cs](#).

6.9.2.21 string `RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderLine.VendAccount` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 105 of file [CreatePurchaseOrderParameters.cs](#).

6.9.2.22 string `RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderLine.WorkCode` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 84 of file [CreatePurchaseOrderParameters.cs](#).

The documentation for this class was generated from the following file:

- Parameters/[CreatePurchaseOrderParameters.cs](#)

6.10 RINA.RINew.IntegrationService.Client.Requests.CreatePurchaseOrderNode Class Reference

Classe interna usata per preparare la request.

Properties

- string [Company](#) [get, set]
Nodo interno usato per preparare la request.
- ICollection< [CreatePurchaseOrderItem](#) > [Value](#) [get, set]
Nodo interno usato per preparare la request.

6.10.1 Detailed Description

Classe interna usata per preparare la request.

Definition at line 30 of file [CreatePurchaseOrderRequest.cs](#).

6.10.2 Property Documentation

6.10.2.1 string RINA.RINew.IntegrationService.Client.Requests.CreatePurchaseOrderNode.Company [get], [set]

Nodo interno usato per preparare la request.

Definition at line 37 of file [CreatePurchaseOrderRequest.cs](#).

6.10.2.2 ICollection<[CreatePurchaseOrderItem](#)> RINA.RINew.IntegrationService.Client.Requests.CreatePurchaseOrderNode.[Value](#) [get], [set]

Nodo interno usato per preparare la request.

Definition at line 42 of file [CreatePurchaseOrderRequest.cs](#).

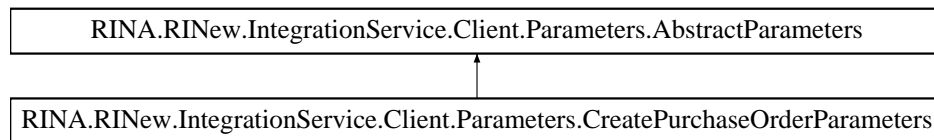
The documentation for this class was generated from the following file:

- Requests/[CreatePurchaseOrderRequest.cs](#)

6.11 RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderParameters Class Reference

I parametri richiesti da [IntegrationService.CreatePurchaseOrder](#).

Inheritance diagram for RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderParameters:



Public Member Functions

- [CreatePurchaseOrderParameters](#) ()
Inizializza i valori di default per i parametri del servizio.

Properties

- string [Company](#) [get, set]
DA DOCUMENTARE!
- IList< [CreatePurchaseOrderLine](#) > [Items](#) [get, set]
Le righe presenti nella richiesta d'acquisto.

Additional Inherited Members

6.11.1 Detailed Description

I parametri richiesti da [IntegrationService.CreatePurchaseOrder](#).

Definition at line 12 of file [CreatePurchaseOrderParameters.cs](#).

6.11.2 Constructor & Destructor Documentation

6.11.2.1 RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderParameters.CreatePurchaseOrderParameters ()

Inizializza i valori di default per i parametri del servizio.

Definition at line 17 of file [CreatePurchaseOrderParameters.cs](#).

6.11.3 Property Documentation

6.11.3.1 string RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderParameters.Company [get], [set]

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 28 of file [CreatePurchaseOrderParameters.cs](#).

6.11.3.2 IList<CreatePurchaseOrderLine> RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderParameters.Items [get], [set]

Le righe presenti nella richiesta d'acquisto.

Questa proprietà è obbligatoria.

Definition at line 35 of file [CreatePurchaseOrderParameters.cs](#).

The documentation for this class was generated from the following file:

- Parameters/[CreatePurchaseOrderParameters.cs](#)

6.12 RINA.RINew.IntegrationService.Client.Requests.CreatePurchaseOrderRequest Class Reference

Parameteri richiesti dal metodo CreatePurchaseOrder del servizio di integrazione.

Properties

- string [Entity](#) [get, set]
Nodo interno usato per preparare la request.

6.12.1 Detailed Description

Parameteri richiesti dal metodo CreatePurchaseOrder del servizio di integrazione.

Definition at line 16 of file [CreatePurchaseOrderRequest.cs](#).

6.12.2 Property Documentation

6.12.2.1 string RINA.RINew.IntegrationService.Client.Requests.CreatePurchaseOrderRequest.Entity [get], [set]

Nodo interno usato per preparare la request.

Definition at line 21 of file [CreatePurchaseOrderRequest.cs](#).

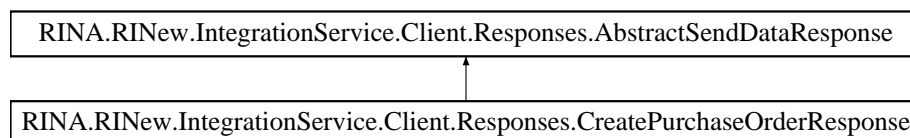
The documentation for this class was generated from the following file:

- Requests/[CreatePurchaseOrderRequest.cs](#)

6.13 RINA.RINew.IntegrationService.Client.Responses.CreatePurchaseOrderResponse Class Reference

La risposta al metodo CreatePurchaseOrder del servizio di integrazione.

Inheritance diagram for RINA.RINew.IntegrationService.Client.Responses.CreatePurchaseOrderResponse:



Additional Inherited Members

6.13.1 Detailed Description

La risposta al metodo CreatePurchaseOrder del servizio di integrazione.

Definition at line 10 of file [CreatePurchaseOrderResponse.cs](#).

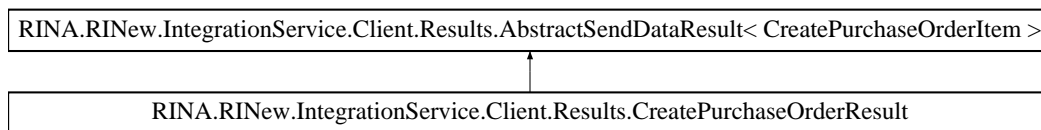
The documentation for this class was generated from the following file:

- Responses/[CreatePurchaseOrderResponse.cs](#)

6.14 RINA.RINew.IntegrationService.Client.Results.CreatePurchaseOrderResult Class Reference

Il risultato restituito da [IIntegrationService.CreatePurchaseOrder](#).

Inheritance diagram for RINA.RINew.IntegrationService.Client.Results.CreatePurchaseOrderResult:



Additional Inherited Members

6.14.1 Detailed Description

Il risultato restituito da [IIntegrationService.CreatePurchaseOrder](#).

Definition at line 10 of file [CreatePurchaseOrderResult.cs](#).

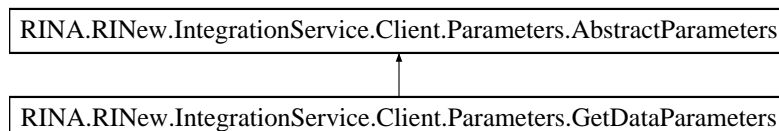
The documentation for this class was generated from the following file:

- Results/[CreatePurchaseOrderResult.cs](#)

6.15 RINA.RINew.IntegrationService.Client.Parameters.GetDataParameters Class Reference

I parametri richiesti da [IIntegrationService.GetData](#).

Inheritance diagram for RINA.RINew.IntegrationService.Client.Parameters.GetDataParameters:



Public Member Functions

- [GetDataParameters](#) ()
Inizializza i valori di default per i parametri del servizio.

Properties

- string [EntityName](#) [get, set]

Il nome dell'entità di Dynamics.

- `IList< string > EntityAttributes [get, set]`

Una sequenza con le colonne da chiedere a Dynamics.

- `IList< GetDataSearchFilter > SearchFilters [get, set]`

I filtri di ricerca che devono essere applicati dal servizio di integrazione.

Additional Inherited Members

6.15.1 Detailed Description

I parametri richiesti da [IntegrationService.GetData](#).

Definition at line 14 of file [GetDataParameters.cs](#).

6.15.2 Constructor & Destructor Documentation

6.15.2.1 `RINA.RINew.IntegrationService.Client.Parameters.GetDataParameters.GetDataParameters ()`

Inizializza i valori di default per i parametri del servizio.

Definition at line 19 of file [GetDataParameters.cs](#).

6.15.3 Property Documentation

6.15.3.1 `IList<string> RINA.RINew.IntegrationService.Client.Parameters.GetDataParameters.EntityAttributes [get], [set]`

Una sequenza con le colonne da chiedere a Dynamics.

Definition at line 35 of file [GetDataParameters.cs](#).

6.15.3.2 `string RINA.RINew.IntegrationService.Client.Parameters.GetDataParameters.EntityName [get], [set]`

Il nome dell'entità di Dynamics.

Definition at line 29 of file [GetDataParameters.cs](#).

6.15.3.3 `IList<GetDataSearchFilter> RINA.RINew.IntegrationService.Client.Parameters.GetDataParameters.SearchFilters [get], [set]`

I filtri di ricerca che devono essere applicati dal servizio di integrazione.

Definition at line 41 of file [GetDataParameters.cs](#).

The documentation for this class was generated from the following file:

- `Parameters/GetDataParameters.cs`

6.16 RINA.RINew.IntegrationService.Client.Requests.GetDataRequest Class Reference

Parameteri richiesti dal metodo `GetData` del servizio di integrazione.

Properties

- string [EntityName](#) [get, set]
Il nome dell'entità di Dynamics.
- string [EntityAttributes](#) [get, set]
Le colonne richieste, separate da virgola.
- string [UpdatedFilter](#) [get, set]
Il JSON con il filtro da applicare.

6.16.1 Detailed Description

Parameteri richiesti dal metodo GetData del servizio di integrazione.

Definition at line 16 of file [GetDataRequest.cs](#).

6.16.2 Property Documentation

6.16.2.1 string [RINA.RINew.IntegrationService.Client.Requests.GetDataRequest.EntityAttributes](#) [get], [set]

Le colonne richieste, separate da virgola.

Definition at line 30 of file [GetDataRequest.cs](#).

6.16.2.2 string [RINA.RINew.IntegrationService.Client.Requests.GetDataRequest.EntityName](#) [get], [set]

Il nome dell'entità di Dynamics.

Definition at line 23 of file [GetDataRequest.cs](#).

6.16.2.3 string [RINA.RINew.IntegrationService.Client.Requests.GetDataRequest.UpdatedFilter](#) [get], [set]

Il JSON con il filtro da applicare.

Definition at line 37 of file [GetDataRequest.cs](#).

The documentation for this class was generated from the following file:

- [Requests/GetDataRequest.cs](#)

6.17 RINA.RINew.IntegrationService.Client.Responses.GetDataResponse Class Reference

La risposta al metodo GetData del servizio di integrazione.

Properties

- string [Response](#) [get, set]
La risposta XML del servizio di integrazione.

6.17.1 Detailed Description

La risposta al metodo GetData del servizio di integrazione.

Definition at line 13 of file [GetDataResponse.cs](#).

6.17.2 Property Documentation

6.17.2.1 `string RINA.RINew.IntegrationService.Client.Responses.GetDataResponse.Response` `[get]`, `[set]`

La risposta XML del servizio di integrazione.

Definition at line 20 of file [GetDataResponse.cs](#).

The documentation for this class was generated from the following file:

- Responses/[GetDataResponse.cs](#)

6.18 RINA.RINew.IntegrationService.Client.Results.GetDataResult Class Reference

Il risultato restituito da [IntegrationService.GetData](#). Le righe sono rappresentate come un dizionario.

6.18.1 Detailed Description

Il risultato restituito da [IntegrationService.GetData](#). Le righe sono rappresentate come un dizionario.

Definition at line 12 of file [GetDataResult.cs](#).

The documentation for this class was generated from the following file:

- Results/[GetDataResult.cs](#)

6.19 RINA.RINew.IntegrationService.Client.Results.GetDataResult Class Reference

Il risultato restituito da [IntegrationService.GetData](#). Le righe sono rappresentate come un dizionario.

6.19.1 Detailed Description

Il risultato restituito da [IntegrationService.GetData](#). Le righe sono rappresentate come un dizionario.

Definition at line 12 of file [GetDataResult.cs](#).

The documentation for this class was generated from the following file:

- Results/[GetDataResult.cs](#)

6.20 RINA.RINew.IntegrationService.Client.Parameters.GetDataSearchFilter Class Reference

Il filtro che sarà applicato dall'Integration Service per capire quali entità recuperare.

Properties

- `string Name` `[get]`, `[set]`

Il nome del campo su cui eseguire il filtro. Il nome del campo deve essere tra le colonne della tabella di stage corrispondente all'entità richiesta, escluse le colonne che iniziano per "ADAPTER_" (le quali sono gestite dall'Adapter Service).

- `GetDataFilterOperator Operator` `[get]`, `[set]`

L'operatore associato al filtro. L'operazione viene applicata in OR rispettivamente ai valori contenuti nel filtro.

- `IList< object > Values` [get, set]

I valori che vengono usati con l'operatore definito nel filtro.

6.20.1 Detailed Description

Il filtro che sarà applicato dall'Integration Service per capire quali entità recuperare.

Definition at line 48 of file [GetDataParameters.cs](#).

6.20.2 Property Documentation

6.20.2.1 `string RINA.RINew.IntegrationService.Client.Parameters.GetDataSearchFilter.Name` [get], [set]

Il nome del campo su cui eseguire il filtro. Il nome del campo deve essere tra le colonne della tabella di stage corrispondente all'entità richiesta, escluse le colonne che iniziano per "ADAPTER_" (le quali sono gestite dall'Adapter Service).

Definition at line 56 of file [GetDataParameters.cs](#).

6.20.2.2 `GetDataFilterOperator RINA.RINew.IntegrationService.Client.Parameters.GetDataSearchFilter.Operator` [get], [set]

L'operatore associato al filtro. L'operazione viene applicata in OR rispettivamente ai valori contenuti nel filtro.

Definition at line 63 of file [GetDataParameters.cs](#).

6.20.2.3 `IList<object> RINA.RINew.IntegrationService.Client.Parameters.GetDataSearchFilter.Values` [get], [set]

I valori che vengono usati con l'operatore definito nel filtro.

Definition at line 69 of file [GetDataParameters.cs](#).

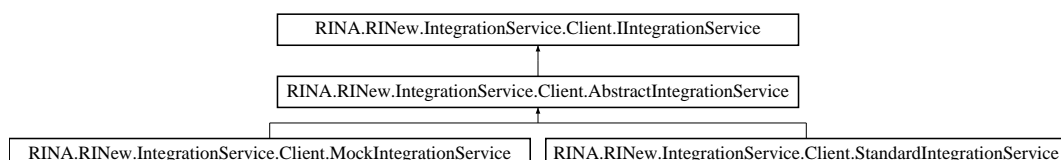
The documentation for this class was generated from the following file:

- Parameters/[GetDataParameters.cs](#)

6.21 RINA.RINew.IntegrationService.Client.IIntegrationService Interface Reference

Interfaccia che mappa i metodi dell'Integration Service, di modo che siano facilmente fruibili in ambiente .NET e di modo che alcune implementazioni "condivisibili" siano realmente condivise tra più fornitori

Inheritance diagram for RINA.RINew.IntegrationService.Client.IIntegrationService:



Public Member Functions

- [GetDataResult GetData](#) ([GetDataParameters](#) parameters)

Il metodo dell'Integration Service che restituisce un insieme di dati presenti su Dynamics.

- [GetDataResult< TItem > GetData< TItem > \(GetDataParameters parameters\)](#)
Il metodo dell'Integration Service che restituisce un insieme di dati presenti su Dynamics. Questa variante esegue una mappatura su un tipo passato come parametro.
- [SendDataResult SendData \(SendDataParameters parameters\)](#)
TODO
- [SendDataResult SendData< TItem > \(SendDataParameters< TItem > parameters\)](#)
TODO
- [CreatePurchaseOrderResult CreatePurchaseOrder \(CreatePurchaseOrderParameters parameters\)](#)
TODO
- [SendTrayDataResult SendTrayData \(SendTrayDataParameters parameters\)](#)
TODO
- [SendPunchDataResult SendPunchData \(SendPunchDataParameters parameters\)](#)
TODO

6.21.1 Detailed Description

Interfaccia che mappa i metodi dell'Integration Service, di modo che siano facilmente fruibili in ambiente .NET e di modo che alcune implementazioni "condivisibili" siano realmente condivise tra più fornitori

Nello specifico, vengono restituiti degli oggetti che, oltre a presentare il messaggio prodotto dal servizio, offrono altri oggetti che contengono l'interpretazione del messaggio stesso.

Definition at line 17 of file [IIntegrationService.cs](#).

6.21.2 Member Function Documentation

6.21.2.1 [CreatePurchaseOrderResult](#) RINA.RINew.IntegrationService.Client.IIntegrationService.CreatePurchaseOrder ([CreatePurchaseOrderParameters parameters](#))

TODO

Parameters

<i>parameters</i>	I parametri richiesti dalla chiamata al servizio.
-------------------	---

Returns

Exceptions

<i>ServiceErrorException</i>	Il servizio ha generato un errore: può essere un errore interno, oppure può essere causato da una chiamata con parametri errati.
------------------------------	--

Implemented in [RINA.RINew.IntegrationService.Client.AbstractIntegrationService](#).

6.21.2.2 [GetDataResult](#) RINA.RINew.IntegrationService.Client.IIntegrationService.GetData ([GetDataParameters parameters](#))

Il metodo dell'Integration Service che restituisce un insieme di dati presenti su Dynamics.

NOTA BENE: Visto che questo metodo può trovarsi a gestire una quantità considerevole di righe, potenzialmente milioni, la proprietà `GetDataResult.Items` viene riempita in modo LAZY; questo ci consente di occupare pochissima memoria.

Parameters

<i>parameters</i>	I parametri richiesti dalla chiamata al servizio.
-------------------	---

Returns

Un oggetto contenente i diversi elementi restituiti dal servizio.

Exceptions

<i>ArgumentNullException</i>	La lista degli attributi o il filtro di ricerca sono nulli.
<i>ArgumentException</i>	Il nome dell'entità è nullo o vuoto.
<i>ServiceErrorException</i>	Il servizio ha generato un errore: può essere un errore interno, oppure può essere causato da una chiamata con parametri errati.

Implemented in [RINA.RINew.IntegrationService.Client.AbstractIntegrationService](#).

6.21.2.3 **GetDataResult<TItem>** [RINA.RINew.IntegrationService.Client.IIntegrationService.GetData< TItem >](#) ([GetDataParameters parameters](#))

Il metodo dell'Integration Service che restituisce un insieme di dati presenti su Dynamics. Questa variante esegue una mappatura su un tipo passato come parametro.

NOTA BENE (1): Visto che questo metodo può trovarsi a gestire una quantità considerevole di righe, potenzialmente milioni, la proprietà `GetDataResult.Items` viene riempita in modo LAZY; questo ci consente di occupare pochissima memoria.

NOTA BENE (2): Il tipo passato come parametro deve essere un'interfaccia, poiché la mappatura si appoggia alla libreria `Castle.Core` e tale libreria può gestire soltanto mappature verso interfacce. I nomi delle proprietà dell'interfaccia devono essere uguali ai nomi presenti negli attributi dell'XML restituito dal servizio di integrazione.

Template Parameters

<i>TItem</i>	Il tipo su cui mappare gli item presenti nel messaggio XML. Il tipo passato come parametro generico deve essere necessariamente un'interfaccia.
--------------	---

Parameters

<i>parameters</i>	I parametri richiesti dalla chiamata al servizio.
-------------------	---

Returns

Un oggetto contenente i diversi elementi restituiti dal servizio.

Exceptions

<i>ArgumentNullException</i>	La lista degli attributi o il filtro di ricerca sono nulli.
<i>ArgumentException</i>	Il nome dell'entità è nullo o vuoto.
<i>ServiceErrorException</i>	Il servizio ha generato un errore: può essere un errore interno, oppure può essere causato da una chiamata con parametri errati.

Implemented in [RINA.RINew.IntegrationService.Client.AbstractIntegrationService](#).

Type Constraints

***TItem* : class**

6.21.2.4 **SendDataResult** [RINA.RINew.IntegrationService.Client.IIntegrationService.SendData](#) ([SendDataParameters parameters](#))

TODO

Parameters

<i>parameters</i>	I parametri richiesti dalla chiamata al servizio.
-------------------	---

Returns

Exceptions

<i>ServiceErrorException</i>	Il servizio ha generato un errore: può essere un errore interno, oppure può essere causato da una chiamata con parametri errati.
------------------------------	--

Implemented in [RINA.RINew.IntegrationService.Client.AbstractIntegrationService](#).

6.21.2.5 SendDataResult RINA.RINew.IntegrationService.Client.IIntegrationService.SendData< TItem > (SendDataParameters< TItem > *parameters*)

TODO

Template Parameters

<i>TItem</i>	
--------------	--

Parameters

<i>parameters</i>	I parametri richiesti dalla chiamata al servizio.
-------------------	---

Returns

Exceptions

<i>ServiceErrorException</i>	Il servizio ha generato un errore: può essere un errore interno, oppure può essere causato da una chiamata con parametri errati.
------------------------------	--

Implemented in [RINA.RINew.IntegrationService.Client.AbstractIntegrationService](#).

Type Constraints

***TItem* : class**

6.21.2.6 SendPunchDataResult RINA.RINew.IntegrationService.Client.IIntegrationService.SendPunchData (SendPunchDataParameters *parameters*)

TODO

Parameters

<i>parameters</i>	I parametri richiesti dalla chiamata al servizio.
-------------------	---

Returns

Exceptions

<i>ServiceErrorException</i>	Il servizio ha generato un errore: può essere un errore interno, oppure può essere causato da una chiamata con parametri errati.
------------------------------	--

Implemented in [RINA.RINew.IntegrationService.Client.AbstractIntegrationService](#).

6.21.2.7 SendTrayDataResult RINA.RINew.IntegrationService.Client.IIntegrationService.SendTrayData (SendTrayDataParameters *parameters*)

TODO

Parameters

<i>parameters</i>	I parametri richiesti dalla chiamata al servizio.
-------------------	---

Returns

Exceptions

<i>ServiceErrorException</i>	Il servizio ha generato un errore: può essere un errore interno, oppure può essere causato da una chiamata con parametri errati.
------------------------------	--

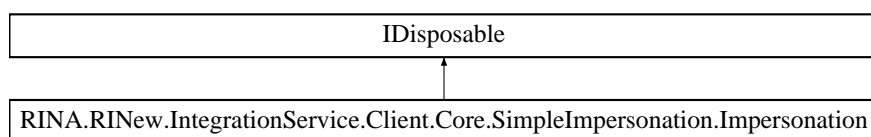
Implemented in [RINA.RINew.IntegrationService.Client.AbstractIntegrationService](#).

The documentation for this interface was generated from the following file:

- [IIntegrationService.cs](#)

6.22 RINA.RINew.IntegrationService.Client.Core.SimpleImpersonation.Impersonation Class Reference

Inheritance diagram for RINA.RINew.IntegrationService.Client.Core.SimpleImpersonation.Impersonation:



Public Member Functions

- void [Dispose](#) ()

Static Public Member Functions

- static [Impersonation LogonUser](#) (string domain, string username, string password, [LogonType](#) logonType)

6.22.1 Detailed Description

Definition at line 9 of file [Impersonation.cs](#).

6.22.2 Member Function Documentation

6.22.2.1 `void RINA.RINew.IntegrationService.Client.Core.SimpleImpersonation.Impersonation.Dispose ()`

Definition at line 33 of file [Impersonation.cs](#).

6.22.2.2 `static Impersonation RINA.RINew.IntegrationService.Client.Core.SimpleImpersonation.Impersonation.LogonUser (string domain, string username, string password, LogonType logonType) [static]`

Definition at line 14 of file [Impersonation.cs](#).

The documentation for this class was generated from the following file:

- [Core/SimpleImpersonation/Impersonation.cs](#)

6.23 RINA.RINew.IntegrationService.Client.Core.IRequestTracer Interface Reference

Interfaccia che descrive un oggetto che tiene traccia delle comunicazioni avvenute con un dato servizio.

Inheritance diagram for RINA.RINew.IntegrationService.Client.Core.IRequestTracer:



Properties

- string [RawRequest](#) [get]
La request inviata, non processata in alcun modo.
- string [RawResponse](#) [get]
La response ricevuta, non processata in alcun modo.

6.23.1 Detailed Description

Interfaccia che descrive un oggetto che tiene traccia delle comunicazioni avvenute con un dato servizio.

Definition at line 7 of file [IRequestTracer.cs](#).

6.23.2 Property Documentation

6.23.2.1 `string RINA.RINew.IntegrationService.Client.Core.IRequestTracer.RawRequest [get]`

La request inviata, non processata in alcun modo.

Definition at line 12 of file [IRequestTracer.cs](#).

6.23.2.2 `string RINA.RINew.IntegrationService.Client.Core.IRequestTracer.RawResponse [get]`

La response ricevuta, non processata in alcun modo.

Definition at line 17 of file [IRequestTracer.cs](#).

The documentation for this interface was generated from the following file:

- [Core/IRequestTracer.cs](#)

6.24 RINA.RINew.IntegrationService.Client.MockIntegrationService.MockData Class Reference

oggetto che rappresenta il formato del file Json che leggo

Properties

- string [EntityName](#) [get, set]
- string[] [GetDataKey](#) [get, set]
- IDictionary< string, string >[] [GetDataItems](#) [get, set]
- string[] [SendDataKey](#) [get, set]
- [SendDataOverride](#)[] [SendDataOverrides](#) [get, set]

6.24.1 Detailed Description

oggetto che rappresenta il formato del file Json che leggo

Definition at line [428](#) of file [MockIntegrationService.cs](#).

6.24.2 Property Documentation

6.24.2.1 string RINA.RINew.IntegrationService.Client.MockIntegrationService.MockData.EntityName [get], [set]

Definition at line [431](#) of file [MockIntegrationService.cs](#).

6.24.2.2 IDictionary<string, string> [] RINA.RINew.IntegrationService.Client.MockIntegrationService.MockData.GetDataItems [get], [set]

Definition at line [437](#) of file [MockIntegrationService.cs](#).

6.24.2.3 string [] RINA.RINew.IntegrationService.Client.MockIntegrationService.MockData.GetDataKey [get], [set]

Definition at line [434](#) of file [MockIntegrationService.cs](#).

6.24.2.4 string [] RINA.RINew.IntegrationService.Client.MockIntegrationService.MockData.SendDataKey [get], [set]

Definition at line [443](#) of file [MockIntegrationService.cs](#).

6.24.2.5 SendDataOverride [] RINA.RINew.IntegrationService.Client.MockIntegrationService.MockData.SendDataOverrides [get], [set]

Definition at line [446](#) of file [MockIntegrationService.cs](#).

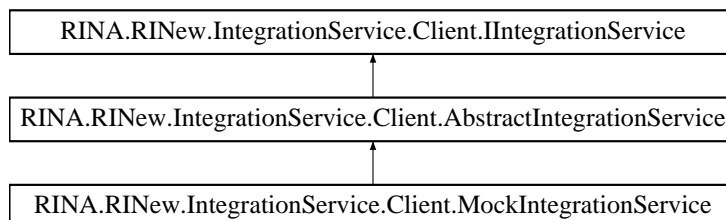
The documentation for this class was generated from the following file:

- [MockIntegrationService.cs](#)

6.25 RINA.RINew.IntegrationService.Client.MockIntegrationService Class Reference

Implementazione di mock per simulare l'accesso all'Integration Service.

Inheritance diagram for RINA.RINew.IntegrationService.Client.MockIntegrationService:



Classes

- class [MockData](#)
oggetto che rappresenta il formato del file Json che leggo
- class [SendDataOverride](#)

Public Member Functions

- [MockIntegrationService](#) (string path)
Costruisce l'implementazione mock per accedere al servizio di integrazione.

Protected Member Functions

- override [GetDataResult GetDataInternal](#) ([GetDataParameters](#) p)
Vedi la documentazione nella classe padre, [AbstractIntegrationService.GetDataInternal](#).
- override [GetDataResult< TItem > GetDataInternal< TItem >](#) ([GetDataParameters](#) p)
Vedi la documentazione nella classe padre, [AbstractIntegrationService.GetDataInternal< TItem >](#).
- override [SendDataResult SendDataInternal](#) ([SendDataParameters](#) p)
Vedi la documentazione nella classe padre, [AbstractIntegrationService.SendDataInternal](#).
- override [SendDataResult SendDataInternal< TItem >](#) ([SendDataParameters< TItem >](#) p)
Vedi la documentazione nella classe padre, [AbstractIntegrationService.SendDataInternal< TItem >](#).
- override [CreatePurchaseOrderResult CreatePurchaseOrderInternal](#) ([CreatePurchaseOrderParameters](#) p)
Vedi la documentazione nella classe padre, [AbstractIntegrationService.CreatePurchaseOrderInternal](#).
- override [SendTrayDataResult SendTrayDataInternal](#) ([SendTrayDataParameters](#) p)
Vedi la documentazione nella classe padre, [AbstractIntegrationService.SendTrayDataInternal](#).
- override [SendPunchDataResult SendPunchDataInternal](#) ([SendPunchDataParameters](#) p)
Vedi la documentazione nella classe padre, [AbstractIntegrationService.SendPunchDataInternal](#).

Properties

- string [EntitiesPath](#) [get]

6.25.1 Detailed Description

Implementazione di mock per simulare l'accesso all'Integration Service.

Può essere personalizzata in base alle proprie necessità o essere sostituita in toto da altre implementazioni, purché rispettino l'interfaccia [IntegrationService](#).

Definition at line 23 of file [MockIntegrationService.cs](#).

6.25.2 Constructor & Destructor Documentation

6.25.2.1 RINA.RINew.IntegrationService.Client.MockIntegrationService.MockIntegrationService (string path)

Costruisce l'implementazione mock per accedere al servizio di integrazione.

Parameters

<i>path</i>	il path dove risiede il file json da leggere
-------------	--

Definition at line 33 of file [MockIntegrationService.cs](#).

6.25.3 Member Function Documentation

6.25.3.1 override CreatePurchaseOrderResult RINA.RINew.IntegrationService.Client.MockIntegrationService.CreatePurchaseOrderInternal (CreatePurchaseOrderParameters p) [protected], [virtual]

Vedi la documentazione nella classe padre, [AbstractIntegrationService.CreatePurchaseOrderInternal](#).

Implements [RINA.RINew.IntegrationService.Client.AbstractIntegrationService](#).

Definition at line 343 of file [MockIntegrationService.cs](#).

6.25.3.2 override GetDataResult RINA.RINew.IntegrationService.Client.MockIntegrationService.GetDataInternal (GetDataParameters p) [protected], [virtual]

Vedi la documentazione nella classe padre, [AbstractIntegrationService.GetDataInternal](#).

Implements [RINA.RINew.IntegrationService.Client.AbstractIntegrationService](#).

Definition at line 48 of file [MockIntegrationService.cs](#).

6.25.3.3 override GetDataResult<TItem> RINA.RINew.IntegrationService.Client.MockIntegrationService.GetDataInternal< TItem > (GetDataParameters p) [protected], [virtual]

Vedi la documentazione nella classe padre, [AbstractIntegrationService.GetDataInternal<TItem>](#).

Implements [RINA.RINew.IntegrationService.Client.AbstractIntegrationService](#).

Definition at line 139 of file [MockIntegrationService.cs](#).

6.25.3.4 override SendDataResult RINA.RINew.IntegrationService.Client.MockIntegrationService.SendDataInternal (SendDataParameters p) [protected], [virtual]

Vedi la documentazione nella classe padre, [AbstractIntegrationService.SendDataInternal](#).

Implements [RINA.RINew.IntegrationService.Client.AbstractIntegrationService](#).

Definition at line 249 of file [MockIntegrationService.cs](#).

6.25.3.5 **override SendDataResult** RINA.RINew.IntegrationService.Client.MockIntegrationService.
SendDataInternal< TItem > (**SendDataParameters**< TItem > *p*) [protected],
 [virtual]

Vedi la documentazione nella classe padre, [AbstractIntegrationService.SendDataInternal<TItem>](#).

Implements [RINA.RINew.IntegrationService.Client.AbstractIntegrationService](#).

Definition at line 269 of file [MockIntegrationService.cs](#).

6.25.3.6 **override SendPunchDataResult** RINA.RINew.IntegrationService.Client.MockIntegration
 Service.**SendPunchDataInternal** (**SendPunchDataParameters** *p*) [protected],
 [virtual]

Vedi la documentazione nella classe padre, [AbstractIntegrationService.SendPunchDataInternal](#).

Implements [RINA.RINew.IntegrationService.Client.AbstractIntegrationService](#).

Definition at line 396 of file [MockIntegrationService.cs](#).

6.25.3.7 **override SendTrayDataResult** RINA.RINew.IntegrationService.Client.MockIntegrationService.**SendTrayDataInternal** (**SendTrayDataParameters** *p*) [protected], [virtual]

Vedi la documentazione nella classe padre, [AbstractIntegrationService.SendTrayDataInternal](#).

Implements [RINA.RINew.IntegrationService.Client.AbstractIntegrationService](#).

Definition at line 366 of file [MockIntegrationService.cs](#).

6.25.4 Property Documentation

6.25.4.1 **string** RINA.RINew.IntegrationService.Client.MockIntegrationService.EntitiesPath [get]

Definition at line 39 of file [MockIntegrationService.cs](#).

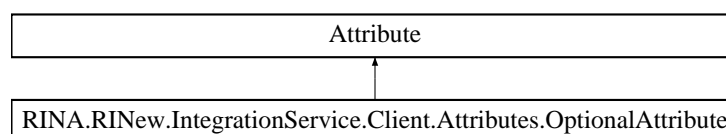
The documentation for this class was generated from the following file:

- [MockIntegrationService.cs](#)

6.26 RINA.RINew.IntegrationService.Client.Attributes.OptionalAttribute Class Reference

Indica che una certa proprietà è opzionale.

Inheritance diagram for RINA.RINew.IntegrationService.Client.Attributes.OptionalAttribute:



6.26.1 Detailed Description

Indica che una certa proprietà è opzionale.

Definition at line 9 of file [OptionalAttribute.cs](#).

The documentation for this class was generated from the following file:

- [Attributes/OptionalAttribute.cs](#)

6.27 RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.PunchInfoExt Class Reference

Rappresenta un [PunchInfoExt](#), inviabile tramite una chiamata a [IntegrationService.SendData](#) oppure tramite [IntegrationService.SendData<TItem>](#).

Properties

- string [LegalEntity](#) [get, set]
DA DOCUMENTARE!
- string [Resource](#) [get, set]
DA DOCUMENTARE!
- DateTime [Date](#) [get, set]
DA DOCUMENTARE!
- string [PurchaseOrder](#) [get, set]
DA DOCUMENTARE!
- int [LineId](#) [get, set]
DA DOCUMENTARE!
- string [WorkId](#) [get, set]
DA DOCUMENTARE!
- string [PurchaseProduct](#) [get, set]
DA DOCUMENTARE!
- string [Detail](#) [get, set]
DA DOCUMENTARE!
- string [Role](#) [get, set]
DA DOCUMENTARE!
- string [Country](#) [get, set]
DA DOCUMENTARE!
- string [Nationality](#) [get, set]
DA DOCUMENTARE!
- string [CategoryTime](#) [get, set]
DA DOCUMENTARE!
- string [PurchaseOrderUnit](#) [get, set]
DA DOCUMENTARE!
- bool [ActivityCompleted](#) [get, set]
DA DOCUMENTARE!
- bool [RequiredExpense](#) [get, set]
DA DOCUMENTARE!
- decimal [Quantity](#) [get, set]
DA DOCUMENTARE!
- string [TaskId](#) [get, set]
DA DOCUMENTARE!

6.27.1 Detailed Description

Rappresenta un [PunchInfoExt](#), inviabile tramite una chiamata a [IntegrationService.SendData](#) oppure tramite [IntegrationService.SendData<TItem>](#).

Definition at line 12 of file [PunchInfoExt.cs](#).

6.27.2 Property Documentation

6.27.2.1 `bool RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.PunchInfoExt.ActivityCompleted` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 110 of file [PunchInfoExt.cs](#).

6.27.2.2 `string RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.PunchInfoExt.CategoryTime` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 96 of file [PunchInfoExt.cs](#).

6.27.2.3 `string RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.PunchInfoExt.Country` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 82 of file [PunchInfoExt.cs](#).

6.27.2.4 `DateTime RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.PunchInfoExt.Date` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 33 of file [PunchInfoExt.cs](#).

6.27.2.5 `string RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.PunchInfoExt.Detail` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 68 of file [PunchInfoExt.cs](#).

6.27.2.6 `string RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.PunchInfoExt.LegalEntity` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 19 of file [PunchInfoExt.cs](#).

6.27.2.7 `int RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.PunchInfoExt.LineId` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 47 of file [PunchInfoExt.cs](#).

6.27.2.8 `string RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.PunchInfoExt.Nationality` `[get]`,
`[set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 89 of file [PunchInfoExt.cs](#).

6.27.2.9 `string RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.PunchInfoExt.PurchaseOrder` `[get]`,
`[set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 40 of file [PunchInfoExt.cs](#).

6.27.2.10 `string RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.PunchInfoExt.PurchaseOrderUnit`
`[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 103 of file [PunchInfoExt.cs](#).

6.27.2.11 `string RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.PunchInfoExt.PurchaseProduct` `[get]`,
`[set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 61 of file [PunchInfoExt.cs](#).

6.27.2.12 `decimal RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.PunchInfoExt.Quantity` `[get]`,
`[set]`

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 124 of file [PunchInfoExt.cs](#).

6.27.2.13 `bool RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.PunchInfoExt.RequiredExpense` `[get]`,
`[set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 117 of file [PunchInfoExt.cs](#).

6.27.2.14 `string RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.PunchInfoExt.Resource` `[get]`,
`[set]`

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 26 of file [PunchInfoExt.cs](#).

6.27.2.15 string RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.PunchInfoExt.Role [get], [set]

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 75 of file [PunchInfoExt.cs](#).

6.27.2.16 string RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.PunchInfoExt.TaskId [get], [set]

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 131 of file [PunchInfoExt.cs](#).

6.27.2.17 string RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.PunchInfoExt.WorkId [get], [set]

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 54 of file [PunchInfoExt.cs](#).

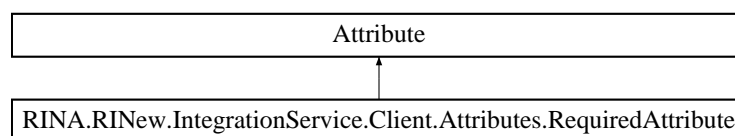
The documentation for this class was generated from the following file:

- C:/Progetti/RINA/RINew/Wrappers/IntegrationService.Client.Extensions/Entities/SendData/[PunchInfoExt.cs](#)

6.28 RINA.RINew.IntegrationService.Client.Attributes.RequiredAttribute Class Reference

Indica che una certa proprietà deve essere valorizzata.

Inheritance diagram for RINA.RINew.IntegrationService.Client.Attributes.RequiredAttribute:



Static Public Member Functions

- static bool [ObjectHasAllRequiredProperties< TObj >](#) (TObj obj, out IList< string > missingProperties)

6.28.1 Detailed Description

Indica che una certa proprietà deve essere valorizzata.

Definition at line 14 of file [RequiredAttribute.cs](#).

6.28.2 Member Function Documentation

6.28.2.1 `static bool RINA.RINew.IntegrationService.Client.Attributes.RequiredAttribute.ObjectHasAllRequiredProperties< TObj > (TObj obj, out IList< string > missingProperties) [static]`

Definition at line 18 of file [RequiredAttribute.cs](#).

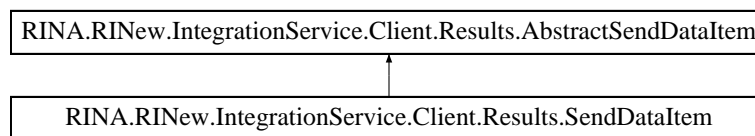
The documentation for this class was generated from the following file:

- [Attributes/RequiredAttribute.cs](#)

6.29 RINA.RINew.IntegrationService.Client.Results.SendDataItem Class Reference

Rappresenta una riga contenuta nell'output del servizio di integrazione.

Inheritance diagram for RINA.RINew.IntegrationService.Client.Results.SendDataItem:



Additional Inherited Members

6.29.1 Detailed Description

Rappresenta una riga contenuta nell'output del servizio di integrazione.

Definition at line 18 of file [SendDataResult.cs](#).

The documentation for this class was generated from the following file:

- [Results/SendDataResult.cs](#)

6.30 RINA.RINew.IntegrationService.Client.Responses.SendDataOverall Class Reference

Classe interna usata per leggere la risposta.

Properties

- string [Status](#) [get, set]
Per uso interno.
- string [Message](#) [get, set]
Per uso interno.
- string [Value](#) [get, set]
Per uso interno, contiene il testo dentro il tag Result.

6.30.1 Detailed Description

Classe interna usata per leggere la risposta.

Definition at line 38 of file [AbstractSendDataResponse.cs](#).

6.30.2 Property Documentation

6.30.2.1 `string RINA.RINew.IntegrationService.Client.Responses.SendDataOverall.Message` `[get]`, `[set]`

Per uso interno.

Definition at line 52 of file [AbstractSendDataResponse.cs](#).

6.30.2.2 `string RINA.RINew.IntegrationService.Client.Responses.SendDataOverall.Status` `[get]`, `[set]`

Per uso interno.

Definition at line 45 of file [AbstractSendDataResponse.cs](#).

6.30.2.3 `string RINA.RINew.IntegrationService.Client.Responses.SendDataOverall.Value` `[get]`, `[set]`

Per uso interno, contiene il testo dentro il tag Result.

Definition at line 57 of file [AbstractSendDataResponse.cs](#).

The documentation for this class was generated from the following file:

- Responses/[AbstractSendDataResponse.cs](#)

6.31 RINA.RINew.IntegrationService.Client.Responses.SendDataOverallResult Class Reference

Classe interna usata per leggere la risposta.

Properties

- [SendDataOverall Overall](#) `[get]`, `[set]`

Per uso interno.

6.31.1 Detailed Description

Classe interna usata per leggere la risposta.

Definition at line 25 of file [AbstractSendDataResponse.cs](#).

6.31.2 Property Documentation

6.31.2.1 `SendDataOverall RINA.RINew.IntegrationService.Client.Responses.SendDataOverallResult.Overall` `[get]`, `[set]`

Per uso interno.

Definition at line 32 of file [AbstractSendDataResponse.cs](#).

The documentation for this class was generated from the following file:

- Responses/[AbstractSendDataResponse.cs](#)

6.32 RINA.RINew.IntegrationService.Client.MockIntegrationService.SendDataOverride Class Reference

Properties

- `string[] Key` [get, set]
- `SendDataItem ResponseData` [get, set]

6.32.1 Detailed Description

Definition at line 449 of file [MockIntegrationService.cs](#).

6.32.2 Property Documentation

6.32.2.1 `string[] RINA.RINew.IntegrationService.Client.MockIntegrationService.SendDataOverride.Key` [get], [set]

Definition at line 451 of file [MockIntegrationService.cs](#).

6.32.2.2 `SendDataItem RINA.RINew.IntegrationService.Client.MockIntegrationService.SendDataOverride.ResponseData` [get], [set]

Definition at line 453 of file [MockIntegrationService.cs](#).

The documentation for this class was generated from the following file:

- [MockIntegrationService.cs](#)

6.33 RINA.RINew.IntegrationService.Client.Parameters.SendDataParameters Class Reference

I parametri richiesti da [IntegrationService.SendData](#).

6.33.1 Detailed Description

I parametri richiesti da [IntegrationService.SendData](#).

Definition at line 12 of file [SendDataParameters.cs](#).

The documentation for this class was generated from the following file:

- Parameters/[SendDataParameters.cs](#)

6.34 RINA.RINew.IntegrationService.Client.Parameters.SendDataParameters Class Reference

I parametri richiesti da [IntegrationService.SendData](#).

6.34.1 Detailed Description

I parametri richiesti da [IntegrationService.SendData](#).

Definition at line 12 of file [SendDataParameters.cs](#).

The documentation for this class was generated from the following file:

- Parameters/[SendDataParameters.cs](#)

6.35 RINA.RINew.IntegrationService.Client.Requests.SendDataRequest Class Reference

Parameteri richiesti dal metodo SendData del servizio di integrazione.

Properties

- string [Updates](#) [get, set]

La stringa XML contenente gli aggiornamenti da inviare a Dynamics.

6.35.1 Detailed Description

Parameteri richiesti dal metodo SendData del servizio di integrazione.

Definition at line 13 of file [SendDataRequest.cs](#).

6.35.2 Property Documentation

6.35.2.1 string RINA.RINew.IntegrationService.Client.Requests.SendDataRequest.Updates [get], [set]

La stringa XML contenente gli aggiornamenti da inviare a Dynamics.

Definition at line 20 of file [SendDataRequest.cs](#).

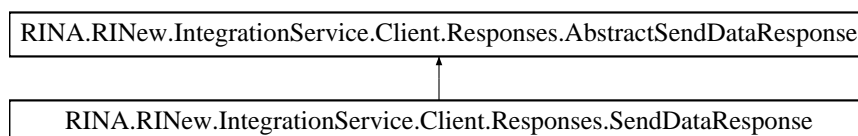
The documentation for this class was generated from the following file:

- Requests/[SendDataRequest.cs](#)

6.36 RINA.RINew.IntegrationService.Client.Responses.SendDataResponse Class Reference

La risposta al metodo SendData del servizio di integrazione.

Inheritance diagram for RINA.RINew.IntegrationService.Client.Responses.SendDataResponse:



Additional Inherited Members

6.36.1 Detailed Description

La risposta al metodo SendData del servizio di integrazione.

Definition at line 14 of file [SendDataResponse.cs](#).

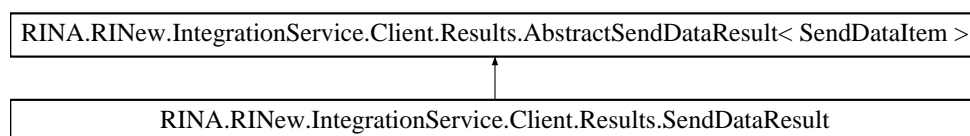
The documentation for this class was generated from the following file:

- Responses/[SendDataResponse.cs](#)

6.37 RINA.RINew.IntegrationService.Client.Results.SendDataResult Class Reference

Il risultato restituito da [IIntegrationService.SendData](#).

Inheritance diagram for RINA.RINew.IntegrationService.Client.Results.SendDataResult:



Additional Inherited Members

6.37.1 Detailed Description

Il risultato restituito da [IIntegrationService.SendData](#).

Definition at line 10 of file [SendDataResult.cs](#).

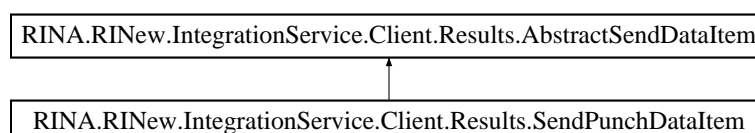
The documentation for this class was generated from the following file:

- Results/[SendDataResult.cs](#)

6.38 RINA.RINew.IntegrationService.Client.Results.SendPunchDataItem Class Reference

Rappresenta una riga contenuta nell'output del servizio di integrazione.

Inheritance diagram for RINA.RINew.IntegrationService.Client.Results.SendPunchDataItem:



Additional Inherited Members

6.38.1 Detailed Description

Rappresenta una riga contenuta nell'output del servizio di integrazione.

Definition at line 18 of file [SendPunchDataResult.cs](#).

The documentation for this class was generated from the following file:

- Results/[SendPunchDataResult.cs](#)

6.39 RINA.RINew.IntegrationService.Client.Parameters.SendPunchDataOvertime Class Reference

Rappresenta una riga di overtime per [IntegrationService.SendPunchData](#).

Properties

- DateTime [Data](#) [get, set]
DA DOCUMENTARE!
- int [OreStraordinari](#) [get, set]
DA DOCUMENTARE!
- string [Matricola](#) [get, set]
DA DOCUMENTARE!
- string [TipoStraordinario](#) [get, set]
DA DOCUMENTARE!

6.39.1 Detailed Description

Rappresenta una riga di overtime per [IntegrationService.SendPunchData](#).

Definition at line 63 of file [SendPunchDataParameters.cs](#).

6.39.2 Property Documentation

6.39.2.1 DateTime RINA.RINew.IntegrationService.Client.Parameters.SendPunchDataOvertime.Data [get], [set]

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 70 of file [SendPunchDataParameters.cs](#).

6.39.2.2 string RINA.RINew.IntegrationService.Client.Parameters.SendPunchDataOvertime.Matricola [get], [set]

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 84 of file [SendPunchDataParameters.cs](#).

6.39.2.3 int RINA.RINew.IntegrationService.Client.Parameters.SendPunchDataOvertime.OreStraordinari [get], [set]

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 77 of file [SendPunchDataParameters.cs](#).

6.39.2.4 `string RINA.RINew.IntegrationService.Client.Parameters.SendPunchDataOvertime.TipoStraordinario` [get], [set]

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 91 of file [SendPunchDataParameters.cs](#).

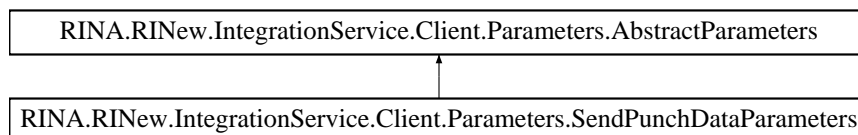
The documentation for this class was generated from the following file:

- Parameters/[SendPunchDataParameters.cs](#)

6.40 RINA.RINew.IntegrationService.Client.Parameters.SendPunchDataParameters Class Reference

I parametri richiesti da [IntegrationService.SendPunchData](#).

Inheritance diagram for RINA.RINew.IntegrationService.Client.Parameters.SendPunchDataParameters:



Public Member Functions

- [SendPunchDataParameters](#) ()
Inizializza i valori di default per i parametri del servizio.

Properties

- `DateTime Data` [get, set]
DA DOCUMENTARE!
- `int OreIntervento` [get, set]
DA DOCUMENTARE!
- `string Matricola` [get, set]
DA DOCUMENTARE!
- `string Legacy` [get, set]
DA DOCUMENTARE!
- `IList< SendPunchDataOvertime > Overtimes` [get, set]
DA DOCUMENTARE!

Additional Inherited Members

6.40.1 Detailed Description

I parametri richiesti da [IntegrationService.SendPunchData](#).

Definition at line 12 of file [SendPunchDataParameters.cs](#).

6.40.2 Constructor & Destructor Documentation

6.40.2.1 RINA.RINew.IntegrationService.Client.Parameters.SendPunchDataParameters.SendPunchDataParameters ()

Inizializza i valori di default per i parametri del servizio.

Definition at line 17 of file [SendPunchDataParameters.cs](#).

6.40.3 Property Documentation

6.40.3.1 DateTime RINA.RINew.IntegrationService.Client.Parameters.SendPunchDataParameters.Data [get], [set]

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 28 of file [SendPunchDataParameters.cs](#).

6.40.3.2 string RINA.RINew.IntegrationService.Client.Parameters.SendPunchDataParameters.Legacy [get], [set]

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 49 of file [SendPunchDataParameters.cs](#).

6.40.3.3 string RINA.RINew.IntegrationService.Client.Parameters.SendPunchDataParameters.Matricola [get], [set]

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 42 of file [SendPunchDataParameters.cs](#).

6.40.3.4 int RINA.RINew.IntegrationService.Client.Parameters.SendPunchDataParameters.OreIntervento [get], [set]

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 35 of file [SendPunchDataParameters.cs](#).

6.40.3.5 IList<SendPunchDataOvertime> RINA.RINew.IntegrationService.Client.Parameters.SendPunchDataParameters.Overtimes [get], [set]

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 56 of file [SendPunchDataParameters.cs](#).

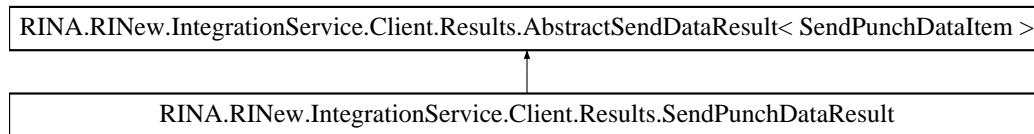
The documentation for this class was generated from the following file:

- Parameters/[SendPunchDataParameters.cs](#)

6.41 RINA.RINew.IntegrationService.Client.Results.SendPunchDataResult Class Reference

Il risultato restituito da [IntegrationService.SendPunchData](#).

Inheritance diagram for RINA.RINew.IntegrationService.Client.Results.SendPunchDataResult:



Additional Inherited Members

6.41.1 Detailed Description

Il risultato restituito da [IntegrationService.SendPunchData](#).

Definition at line 10 of file [SendPunchDataResult.cs](#).

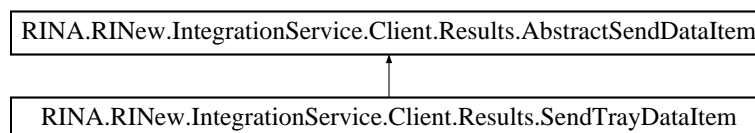
The documentation for this class was generated from the following file:

- Results/[SendPunchDataResult.cs](#)

6.42 RINA.RINew.IntegrationService.Client.Results.SendTrayDataItem Class Reference

Rappresenta una riga contenuta nell'output del servizio di integrazione.

Inheritance diagram for RINA.RINew.IntegrationService.Client.Results.SendTrayDataItem:



Additional Inherited Members

6.42.1 Detailed Description

Rappresenta una riga contenuta nell'output del servizio di integrazione.

Definition at line 18 of file [SendTrayDataResult.cs](#).

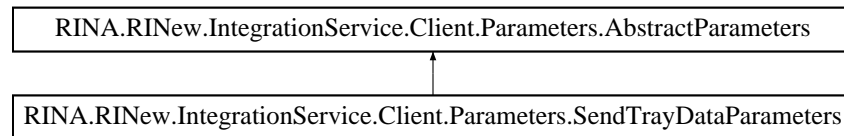
The documentation for this class was generated from the following file:

- Results/[SendTrayDataResult.cs](#)

6.43 RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataParameters Class Reference

I parametri richiesti da [IntegrationService.SendTrayData](#).

Inheritance diagram for RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataParameters:



Public Member Functions

- [SendTrayDataParameters](#) ()
Inizializza i valori di default per i parametri del servizio.

Properties

- string [Origine](#) [get, set]
DA DOCUMENTARE!
- string [SubProject](#) [get, set]
DA DOCUMENTARE!
- string [Object](#) [get, set]
DA DOCUMENTARE!
- string [CodiceWorkCrm](#) [get, set]
DA DOCUMENTARE!
- bool [StatoWorkTechnico](#) [get, set]
DA DOCUMENTARE!
- IList< [SendTrayDataTask](#) > [Tasks](#) [get, set]
DA DOCUMENTARE!
- IList< [SendTrayDataTeam](#) > [Teams](#) [get, set]
DA DOCUMENTARE!

Additional Inherited Members

6.43.1 Detailed Description

I parametri richiesti da [IntegrationService.SendTrayData](#).

Definition at line 12 of file [SendTrayDataParameters.cs](#).

6.43.2 Constructor & Destructor Documentation

6.43.2.1 RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataParameters.SendTrayDataParameters ()

Inizializza i valori di default per i parametri del servizio.

Definition at line 17 of file [SendTrayDataParameters.cs](#).

6.43.3 Property Documentation

6.43.3.1 string RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataParameters.CodiceWorkCrm [get], [set]

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 49 of file [SendTrayDataParameters.cs](#).

6.43.3.2 `string RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataParameters.Object` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 42 of file [SendTrayDataParameters.cs](#).

6.43.3.3 `string RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataParameters.Origine` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 28 of file [SendTrayDataParameters.cs](#).

6.43.3.4 `bool RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataParameters.StatoWorkTechnico` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 56 of file [SendTrayDataParameters.cs](#).

6.43.3.5 `string RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataParameters.SubProject` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 35 of file [SendTrayDataParameters.cs](#).

6.43.3.6 `IList<SendTrayDataTask> RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataParameters.Tasks` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 63 of file [SendTrayDataParameters.cs](#).

6.43.3.7 `IList<SendTrayDataTeam> RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataParameters.Teams` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 70 of file [SendTrayDataParameters.cs](#).

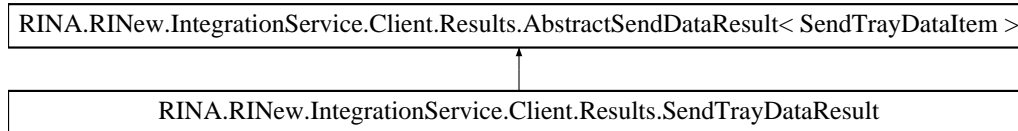
The documentation for this class was generated from the following file:

- Parameters/[SendTrayDataParameters.cs](#)

6.44 RINA.RINew.IntegrationService.Client.Results.SendTrayDataResult Class Reference

Il risultato restituito da [IntegrationService.SendTrayData](#).

Inheritance diagram for RINA.RINew.IntegrationService.Client.Results.SendTrayDataResult:



Additional Inherited Members

6.44.1 Detailed Description

Il risultato restituito da [IntegrationService.SendTrayData](#).

Definition at line 10 of file [SendTrayDataResult.cs](#).

The documentation for this class was generated from the following file:

- Results/[SendTrayDataResult.cs](#)

6.45 RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataTask Class Reference

Riga di task nel vassoio.

Properties

- string [Vassoio](#) [get, set]
DA DOCUMENTARE!
- string [SubProject](#) [get, set]
DA DOCUMENTARE!
- string [CodiceWorkCrm](#) [get, set]
DA DOCUMENTARE!
- DateTime [DataInizioWork](#) [get, set]
DA DOCUMENTARE!
- DateTime [DataInizioTask](#) [get, set]
DA DOCUMENTARE!
- string [IdentificativoAsset](#) [get, set]
DA DOCUMENTARE!
- string [CodiceTaskTecnico](#) [get, set]
DA DOCUMENTARE!
- string [TaskCatalogo](#) [get, set]
DA DOCUMENTARE!
- IList< KeyValuePair< string, decimal > > [TechnicalAttributes](#) [get, set]
DA DOCUMENTARE!
- DateTime [DataChiusuraTask](#) [get, set]
DA DOCUMENTARE!
- DateTime [DataChiusuraWorkTecnico](#) [get, set]
DA DOCUMENTARE!
- [SendTrayDataTaskStatus](#) [StatoTask](#) [get, set]
DA DOCUMENTARE!

6.45.1 Detailed Description

Riga di task nel vassoio.

Definition at line 76 of file [SendTrayDataParameters.cs](#).

6.45.2 Property Documentation

6.45.2.1 `string RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataTask.CodiceTaskTecnico` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 125 of file [SendTrayDataParameters.cs](#).

6.45.2.2 `string RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataTask.CodiceWorkCrm` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 97 of file [SendTrayDataParameters.cs](#).

6.45.2.3 `DateTime RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataTask.DataChiusuraTask` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 146 of file [SendTrayDataParameters.cs](#).

6.45.2.4 `DateTime RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataTask.DataChiusuraWorkTecnico` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 153 of file [SendTrayDataParameters.cs](#).

6.45.2.5 `DateTime RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataTask.DataInizioTask` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 111 of file [SendTrayDataParameters.cs](#).

6.45.2.6 `DateTime RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataTask.DataInizioWork` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 104 of file [SendTrayDataParameters.cs](#).

6.45.2.7 `string RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataTask.IdentificativoAsset` `[get], [set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 118 of file [SendTrayDataParameters.cs](#).

6.45.2.8 `SendTrayDataTaskStatus RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataTask.StatoTask`
`[get], [set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 160 of file [SendTrayDataParameters.cs](#).

6.45.2.9 `string RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataTask.SubProject` `[get], [set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 90 of file [SendTrayDataParameters.cs](#).

6.45.2.10 `string RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataTask.TaskCatalogo` `[get], [set]`

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 132 of file [SendTrayDataParameters.cs](#).

6.45.2.11 `ICollection<KeyValuePair<string, decimal>> RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataTask.↵
TechnicalAttributes` `[get], [set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 139 of file [SendTrayDataParameters.cs](#).

6.45.2.12 `string RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataTask.Vassoio` `[get], [set]`

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 83 of file [SendTrayDataParameters.cs](#).

The documentation for this class was generated from the following file:

- Parameters/[SendTrayDataParameters.cs](#)

6.46 RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataTeam Class Reference

Riga di team nel vassoio.

Properties

- string [Vassoio](#) [get, set]
DA DOCUMENTARE!
- string [SubProject](#) [get, set]
DA DOCUMENTARE!
- string [CodiceWorkCrm](#) [get, set]
DA DOCUMENTARE!
- string [ResourceCode](#) [get, set]
DA DOCUMENTARE!
- DateTime [StartDate](#) [get, set]
DA DOCUMENTARE!
- DateTime [EndDate](#) [get, set]
DA DOCUMENTARE!

6.46.1 Detailed Description

Riga di team nel vassoio.

Definition at line 166 of file [SendTrayDataParameters.cs](#).

6.46.2 Property Documentation

6.46.2.1 string [RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataTeam.CodiceWorkCrm](#) [get], [set]

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 187 of file [SendTrayDataParameters.cs](#).

6.46.2.2 DateTime [RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataTeam.EndDate](#) [get], [set]

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 208 of file [SendTrayDataParameters.cs](#).

6.46.2.3 string [RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataTeam.ResourceCode](#) [get], [set]

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 194 of file [SendTrayDataParameters.cs](#).

6.46.2.4 DateTime [RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataTeam.StartDate](#) [get], [set]

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 201 of file [SendTrayDataParameters.cs](#).

6.46.2.5 string RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataTeam.SubProject [get], [set]

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 180 of file [SendTrayDataParameters.cs](#).

6.46.2.6 string RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataTeam.Vassoio [get], [set]

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 173 of file [SendTrayDataParameters.cs](#).

The documentation for this class was generated from the following file:

- Parameters/[SendTrayDataParameters.cs](#)

6.47 RINA.RINew.IntegrationService.Client.Core.ExchangeFormatHandler.SerializationResult Struct Reference ↩

Il risultato della serializzazione di una sequenza di righe lette da DB.

Properties

- string [Message](#) [get, set]
Il messaggio che rispetta il formato di interscambio.
- int [RowCount](#) [get, set]
Il numero di righe presenti nel messaggio prodotto.

6.47.1 Detailed Description

Il risultato della serializzazione di una sequenza di righe lette da DB.

Definition at line 235 of file [ExchangeFormatHandler.cs](#).

6.47.2 Property Documentation

6.47.2.1 string RINA.RINew.IntegrationService.Client.Core.ExchangeFormatHandler.SerializationResult.Message [get], [set]

Il messaggio che rispetta il formato di interscambio.

Definition at line 240 of file [ExchangeFormatHandler.cs](#).

6.47.2.2 int RINA.RINew.IntegrationService.Client.Core.ExchangeFormatHandler.SerializationResult.RowCount [get], [set]

Il numero di righe presenti nel messaggio prodotto.

Definition at line 245 of file [ExchangeFormatHandler.cs](#).

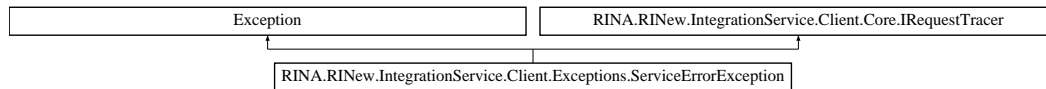
The documentation for this struct was generated from the following file:

- Core/[ExchangeFormatHandler.cs](#)

6.48 RINA.RINew.IntegrationService.Client.Exceptions.ServiceErrorException Class Reference

Usata quando il servizio di sincronizzazione va in errore per colpa di una richiesta errata (codice HTTP 4**).

Inheritance diagram for RINA.RINew.IntegrationService.Client.Exceptions.ServiceErrorException:



Public Member Functions

- [ServiceErrorException](#) ()
Inizializza l'eccezione.
- [ServiceErrorException](#) (string message)
Inizializza l'eccezione.
- [ServiceErrorException](#) (string message, string rawRequest, string rawResponse)
Inizializza l'eccezione.
- [ServiceErrorException](#) (string message, Exception inner)
Inizializza l'eccezione.
- [ServiceErrorException](#) (string message, Exception inner, string rawRequest, string rawResponse)
Inizializza l'eccezione.

Protected Member Functions

- [ServiceErrorException](#) (SerializationInfo info, StreamingContext context)
Inizializza l'eccezione.

Properties

- string [RawRequest](#) [get]
La request inviata, non processata in alcun modo.
- string [RawResponse](#) [get]
La response ricevuta, non processata in alcun modo.

6.48.1 Detailed Description

Usata quando il servizio di sincronizzazione va in errore per colpa di una richiesta errata (codice HTTP 4**).

Definition at line 12 of file [ServiceErrorException.cs](#).

6.48.2 Constructor & Destructor Documentation

6.48.2.1 RINA.RINew.IntegrationService.Client.Exceptions.ServiceErrorException.ServiceErrorException ()

Inizializza l'eccezione.

Definition at line 17 of file [ServiceErrorException.cs](#).

6.48.2.2 RINA.RINew.IntegrationService.Client.Exceptions.ServiceErrorException.ServiceErrorException (string message)

Inizializza l'eccezione.

Definition at line 24 of file [ServiceErrorException.cs](#).

6.48.2.3 RINA.RINew.IntegrationService.Client.Exceptions.ServiceErrorException.ServiceErrorException (string message, string rawRequest, string rawResponse)

Inizializza l'eccezione.

Definition at line 32 of file [ServiceErrorException.cs](#).

6.48.2.4 RINA.RINew.IntegrationService.Client.Exceptions.ServiceErrorException.ServiceErrorException (string message, Exception inner)

Inizializza l'eccezione.

Definition at line 42 of file [ServiceErrorException.cs](#).

6.48.2.5 RINA.RINew.IntegrationService.Client.Exceptions.ServiceErrorException.ServiceErrorException (string message, Exception inner, string rawRequest, string rawResponse)

Inizializza l'eccezione.

Definition at line 50 of file [ServiceErrorException.cs](#).

6.48.2.6 RINA.RINew.IntegrationService.Client.Exceptions.ServiceErrorException.ServiceErrorException (SerializationInfo info, StreamingContext context) [protected]

Inizializza l'eccezione.

Definition at line 60 of file [ServiceErrorException.cs](#).

6.48.3 Property Documentation

6.48.3.1 string RINA.RINew.IntegrationService.Client.Exceptions.ServiceErrorException.RawRequest [get]

La request inviata, non processata in alcun modo.

Definition at line 68 of file [ServiceErrorException.cs](#).

6.48.3.2 string RINA.RINew.IntegrationService.Client.Exceptions.ServiceErrorException.RawResponse [get]

La response ricevuta, non processata in alcun modo.

Definition at line 73 of file [ServiceErrorException.cs](#).

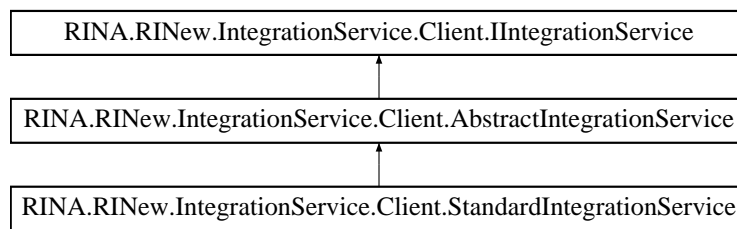
The documentation for this class was generated from the following file:

- Exceptions/[ServiceErrorException.cs](#)

6.49 RINA.RINew.IntegrationService.Client.StandardIntegrationService Class Reference

Implementazione standard del client per l'Integration Service.

Inheritance diagram for RINA.RINew.IntegrationService.Client.StandardIntegrationService:



Public Member Functions

- [StandardIntegrationService](#) (ILog log, string serviceUrl)
Costruisce l'implementazione standard per accedere al servizio di integrazione.

Protected Member Functions

- override [GetDataResult GetDataInternal](#) ([GetDataParameters](#) p)
Vedi la documentazione nella classe padre, [AbstractIntegrationService.GetDataInternal](#).
- override [GetDataResult](#)< TItem > [GetDataInternal](#)< TItem > ([GetDataParameters](#) p)
Vedi la documentazione nella classe padre, [AbstractIntegrationService.GetDataInternal](#)< TItem >.
- override [SendDataResult SendDataInternal](#) ([SendDataParameters](#) p)
Vedi la documentazione nella classe padre, [AbstractIntegrationService.SendDataInternal](#).
- override [SendDataResult SendDataInternal](#)< TItem > ([SendDataParameters](#)< TItem > p)
Vedi la documentazione nella classe padre, [AbstractIntegrationService.SendDataInternal](#)< TItem >.
- override [CreatePurchaseOrderResult CreatePurchaseOrderInternal](#) ([CreatePurchaseOrderParameters](#) p)
Vedi la documentazione nella classe padre, [AbstractIntegrationService.CreatePurchaseOrderInternal](#).
- override [SendTrayDataResult SendTrayDataInternal](#) ([SendTrayDataParameters](#) p)
Vedi la documentazione nella classe padre, [AbstractIntegrationService.SendTrayDataInternal](#).
- override [SendPunchDataResult SendPunchDataInternal](#) ([SendPunchDataParameters](#) p)
Vedi la documentazione nella classe padre, [AbstractIntegrationService.SendPunchDataInternal](#).

Properties

- ILog [Log](#) [get]
Il log usato dall'implementazione del client.
- string [ServiceUrl](#) [get]
L'URL del servizio di integrazione.

6.49.1 Detailed Description

Implementazione standard del client per l'Integration Service.

Definition at line 19 of file [StandardIntegrationService.cs](#).

6.49.2 Constructor & Destructor Documentation

6.49.2.1 RINA.RINew.IntegrationService.Client.StandardIntegrationService.StandardIntegrationService (ILog log, string serviceUrl)

Costruisce l'implementazione standard per accedere al servizio di integrazione.

Parameters

<i>log</i>	Il log usato dall'implementazione del client.
<i>serviceUrl</i>	L'URL del servizio di integrazione.

Exceptions

<i>ArgumentNullException</i>	Il log è nullo.
<i>ArgumentException</i>	L'URL è nullo o vuoto.

Definition at line 31 of file [StandardIntegrationService.cs](#).

6.49.3 Member Function Documentation

6.49.3.1 **override CreatePurchaseOrderResult** RINA.RINew.IntegrationService.Client.StandardIntegrationService.CreatePurchaseOrderInternal (**CreatePurchaseOrderParameters** *p*) [protected], [virtual]

Vedi la documentazione nella classe padre, [AbstractIntegrationService.CreatePurchaseOrderInternal](#).

Implements [RINA.RINew.IntegrationService.Client.AbstractIntegrationService](#).

Definition at line 225 of file [StandardIntegrationService.cs](#).

6.49.3.2 **override GetDataResult** RINA.RINew.IntegrationService.Client.StandardIntegrationService.GetDataInternal (**GetDataParameters** *p*) [protected], [virtual]

Vedi la documentazione nella classe padre, [AbstractIntegrationService.GetDataInternal](#).

Implements [RINA.RINew.IntegrationService.Client.AbstractIntegrationService](#).

Definition at line 68 of file [StandardIntegrationService.cs](#).

6.49.3.3 **override GetDataResult<TItem>** RINA.RINew.IntegrationService.Client.StandardIntegrationService.GetDataInternal<TItem> (**GetDataParameters** *p*) [protected], [virtual]

Vedi la documentazione nella classe padre, [AbstractIntegrationService.GetDataInternal<TItem>](#).

Implements [RINA.RINew.IntegrationService.Client.AbstractIntegrationService](#).

Definition at line 123 of file [StandardIntegrationService.cs](#).

6.49.3.4 **override SendDataResult** RINA.RINew.IntegrationService.Client.StandardIntegrationService.SendDataInternal (**SendDataParameters** *p*) [protected], [virtual]

Vedi la documentazione nella classe padre, [AbstractIntegrationService.SendDataInternal](#).

Implements [RINA.RINew.IntegrationService.Client.AbstractIntegrationService](#).

Definition at line 167 of file [StandardIntegrationService.cs](#).

6.49.3.5 **override SendDataResult** RINA.RINew.IntegrationService.Client.StandardIntegrationService.SendDataInternal<TItem> (**SendDataParameters<TItem>** *p*) [protected], [virtual]

Vedi la documentazione nella classe padre, [AbstractIntegrationService.SendDataInternal<TItem>](#).

Implements [RINA.RINew.IntegrationService.Client.AbstractIntegrationService](#).

Definition at line 196 of file [StandardIntegrationService.cs](#).

6.49.3.6 **override SendPunchDataResult** RINA.RINew.IntegrationService.Client.StandardIntegrationService.SendPunchDataInternal (**SendPunchDataParameters** *p*) [protected],
[virtual]

Vedi la documentazione nella classe padre, [AbstractIntegrationService.SendPunchDataInternal](#).

Implements [RINA.RINew.IntegrationService.Client.AbstractIntegrationService](#).

Definition at line 241 of file [StandardIntegrationService.cs](#).

6.49.3.7 **override SendTrayDataResult** RINA.RINew.IntegrationService.Client.StandardIntegrationService.SendTrayDataInternal (**SendTrayDataParameters** *p*) [protected],
[virtual]

Vedi la documentazione nella classe padre, [AbstractIntegrationService.SendTrayDataInternal](#).

Implements [RINA.RINew.IntegrationService.Client.AbstractIntegrationService](#).

Definition at line 233 of file [StandardIntegrationService.cs](#).

6.49.4 Property Documentation

6.49.4.1 **ILog** RINA.RINew.IntegrationService.Client.StandardIntegrationService.Log [get]

Il log usato dall'implementazione del client.

Definition at line 51 of file [StandardIntegrationService.cs](#).

6.49.4.2 **string** RINA.RINew.IntegrationService.Client.StandardIntegrationService.ServiceUrl [get]

L'URL del servizio di integrazione.

Definition at line 59 of file [StandardIntegrationService.cs](#).

The documentation for this class was generated from the following file:

- [StandardIntegrationService.cs](#)

6.50 RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.Work Class Reference

Rappresenta un [Work](#), inviabile tramite una chiamata a [IIntegrationService.SendData](#) oppure tramite [IIntegrationService.SendData<TItem>](#).

Properties

- string [Origine](#) [get, set]
DA DOCUMENTARE!
- string [SubProject](#) [get, set]
DA DOCUMENTARE!
- string [Country](#) [get, set]
DA DOCUMENTARE!
- string [Subject](#) [get, set]
DA DOCUMENTARE!
- string [CodiceWorkTechnico](#) [get, set]

- DA DOCUMENTARE!*
- string [Contract](#) [get, set]
- DA DOCUMENTARE!*
- string [ResponsibleOffice](#) [get, set]
- DA DOCUMENTARE!*
- string [Project](#) [get, set]
- DA DOCUMENTARE!*
- string [StatusReason](#) [get, set]
- DA DOCUMENTARE!*
- string [ProjectGroup](#) [get, set]
- DA DOCUMENTARE!*

6.50.1 Detailed Description

Rappresenta un [Work](#), inviabile tramite una chiamata a [IIntegrationService.SendData](#) oppure tramite [IIntegrationService.SendData<TItem>](#).

Definition at line 12 of file [Work.cs](#).

6.50.2 Property Documentation

- 6.50.2.1 string [RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.Work.CodiceWorkTechnico](#) [get], [set]

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 47 of file [Work.cs](#).

- 6.50.2.2 string [RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.Work.Contract](#) [get], [set]

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 54 of file [Work.cs](#).

- 6.50.2.3 string [RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.Work.Country](#) [get], [set]

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 33 of file [Work.cs](#).

- 6.50.2.4 string [RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.Work.Origine](#) [get], [set]

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 19 of file [Work.cs](#).

6.50.2.5 `string RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.Work.Project` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 68 of file [Work.cs](#).

6.50.2.6 `string RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.Work.ProjectGroup` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è opzionale.

Definition at line 82 of file [Work.cs](#).

6.50.2.7 `string RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.Work.ResponsibleOffice` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 61 of file [Work.cs](#).

6.50.2.8 `string RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.Work.StatusReason` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 75 of file [Work.cs](#).

6.50.2.9 `string RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.Work.Subject` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 40 of file [Work.cs](#).

6.50.2.10 `string RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.Work.SubProject` `[get]`, `[set]`

DA DOCUMENTARE!

Questa proprietà è obbligatoria.

Definition at line 26 of file [Work.cs](#).

The documentation for this class was generated from the following file:

- `C:/Progetti/RINA/RINew/Wrappers/IntegrationService.Client.Extensions.Entities.SendData/`[Work.cs](#)

Chapter 7

File Documentation

7.1 C:/Progetti/RINA/RINew/Wrappers/IntegrationService.Client.Extensions/Entities/↔ SendData/PunchInfoExt.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.PunchInfoExt](#)
Rappresenta un [PunchInfoExt](#), inviabile tramite una chiamata a [IntegrationService.SendData](#) oppure tramite [IntegrationService.SendData<TItem>](#).

Namespaces

- package [RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData](#)

7.2 PunchInfoExt.cs

```
00001 using RINA.RINew.IntegrationService.Client.  
    Attributes;  
00002 using System;  
00003 using System.Runtime.Serialization;  
00004  
00005 namespace RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData  
00006 {  
00011     [Serializable, DataContract]  
00012     public sealed class PunchInfoExt  
00013     {  
00018         [DataMember, Required]  
00019         public string LegalEntity { get; set; }  
00020  
00025         [DataMember, Required]  
00026         public string Resource { get; set; }  
00027  
00032         [DataMember, Required]  
00033         public DateTime Date { get; set; }  
00034  
00039         [DataMember, Optional]  
00040         public string PurchaseOrder { get; set; }  
00041  
00046         [DataMember, Optional]  
00047         public int? LineId { get; set; }  
00048  
00053         [DataMember, Required]  
00054         public string WorkId { get; set; }  
00055  
00060         [DataMember, Optional]  
00061         public string PurchaseProduct { get; set; }  
00062  
00067         [DataMember, Optional]  
00068         public string Detail { get; set; }  
00069  
00074         [DataMember, Optional]
```

```

00075         public string Role { get; set; }
00076
00081         [DataMember, Optional]
00082         public string Country { get; set; }
00083
00088         [DataMember, Optional]
00089         public string Nationality { get; set; }
00090
00095         [DataMember, Optional]
00096         public string CategoryTime { get; set; }
00097
00102         [DataMember, Required]
00103         public string PurchaseOrderUnit { get; set; }
00104
00109         [DataMember, Optional]
00110         public bool? ActivityCompleted { get; set; }
00111
00116         [DataMember, Optional]
00117         public bool? RequiredExpense { get; set; }
00118
00123         [DataMember, Required]
00124         public decimal Quantity { get; set; }
00125
00130         [DataMember, Optional]
00131         public string TaskId { get; set; }
00132     }
00133 }

```

7.3 C:/Progetti/RINA/RINew/Wrappers/IntegrationService.Client.Extensions/Entities/↔ SendData/Work.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData.Work](#)
*Rappresenta un [Work](#), inviabile tramite una chiamata a [IntegrationService.SendData](#) oppure tramite [Integration↔
Service.SendData<TItem>](#).*

Namespaces

- package [RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData](#)

7.4 Work.cs

```

00001 using RINA.RINew.IntegrationService.Client.
00002     Attributes;
00002 using System;
00003 using System.Runtime.Serialization;
00004
00005 namespace RINA.RINew.IntegrationService.Client.Extensions.Entities.SendData
00006 {
00011     [Serializable, DataContract]
00012     public sealed class Work
00013     {
00018         [DataMember, Required]
00019         public string Origine { get; set; }
00020
00025         [DataMember, Required]
00026         public string SubProject { get; set; }
00027
00032         [DataMember, Required]
00033         public string Country { get; set; }
00034
00039         [DataMember, Required]
00040         public string Subject { get; set; }
00041
00046         [DataMember, Required]
00047         public string CodiceWorkTecnico { get; set; }
00048
00053         [DataMember, Required]
00054         public string Contract { get; set; }
00055
00060         [DataMember, Required]

```

7.5

C:/Progetti/RINA/RINew/Wrappers/IntegrationService.Client.Extensions/IntegrationServiceExtensions.cs File Reference

79

```
00061     public string ResponsibleOffice { get; set; }
00062
00067     [DataMember, Required]
00068     public string Project { get; set; }
00069
00074     [DataMember, Required]
00075     public string StatusReason { get; set; }
00076
00081     [DataMember, Optional]
00082     public string ProjectGroup { get; set; }
00083 }
00084 }
```

7.5 C:/Progetti/RINA/RINew/Wrappers/IntegrationService.Client.Extensions/IntegrationServiceExtensions.cs File Reference

Classes

- class **RINA.RINew.IntegrationService.Client.Extensions.IntegrationServiceExtensions**
Estensioni, non standard, per il servizio di integrazione di [RINew](#).

Namespaces

- package [RINA.RINew.IntegrationService.Client.Extensions](#)

7.6 IntegrationServiceExtensions.cs

```
00001 namespace RINA.RINew.IntegrationService.Client.Extensions
00002 {
00006     public static class IntegrationServiceExtensions
00007     {
00008         public static void CreateAccount(this IIntegrationService integrationService)
00009         {
00010             // ...
00011         }
00012
00017         public static void CreateWork(this IIntegrationService integrationService)
00018         {
00019             // ...
00020             integrationService.SendData(null);
00021         }
00022     }
00023 }
```

7.7 AbstractIntegrationService.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.AbstractIntegrationService](#)
Classe base da cui partire per sviluppare una nuova implementazione di [IIntegrationService](#).

Namespaces

- package [RINA.RINew.IntegrationService.Client](#)

7.8 AbstractIntegrationService.cs

```
00001 using PommaLabs.Thrower;
```

```

00002 using RINA.RINew.IntegrationService.Client.
      Parameters;
00003 using RINA.RINew.IntegrationService.Client.
      Results;
00004 using System;
00005 using System.Linq;
00006
00007 namespace RINA.RINew.IntegrationService.Client
00008 {
00016     public abstract class AbstractIntegrationService :
      IIntegrationService
00017     {
00018         #region Abstract members
00019
00023         protected abstract GetDataResult GetDataInternal(
      GetDataParameters p);
00024
00028         protected abstract GetDataResult<TItem> GetDataInternal<TItem>(
      GetDataParameters p)
00029             where TItem : class;
00030
00034         protected abstract SendDataResult SendDataInternal(
      SendDataParameters p);
00035
00039         protected abstract SendDataResult SendDataInternal<TItem>(
      SendDataParameters<TItem> p);
00040
00044         protected abstract CreatePurchaseOrderResult CreatePurchaseOrderInternal(
      CreatePurchaseOrderParameters p);
00045
00049         protected abstract SendTrayDataResult SendTrayDataInternal(
      SendTrayDataParameters p);
00050
00054         protected abstract SendPunchDataResult SendPunchDataInternal(
      SendPunchDataParameters p);
00055
00056         #endregion Abstract members
00057
00058         #region IIntegrationService members
00059
00063         public GetDataResult GetData(GetDataParameters p)
00064         {
00065             // Preconditions
00066             if (p == null)
00067             {
00068                 throw new ArgumentNullException("parameters", "Parameters are strictly required");
00069             }
00070             if (string.IsNullOrEmpty(p.EntityName))
00071             {
00072                 throw new ArgumentException("Entity name cannot be null or empty.", "entityName");
00073             }
00074             if (p.EntityAttributes == null)
00075             {
00076                 throw new ArgumentNullException("entityAttributes", "Entity attributes cannot be null");
00077             }
00078
00079             if (p.SearchFilters == null)
00080             {
00081                 p.SearchFilters = new Parameters.GetDataSearchFilter[0];
00082             }
00083
00084             // Conversioni dei parametri, in modo che siano in un formato standard accettato da Dynamics.
00085             foreach (var filter in p.SearchFilters)
00086             {
00087                 var values = filter.Values;
00088                 for (var j = 0; j < values.Count; ++j)
00089                 {
00090                     var value = values[j];
00091                     if (TryConvertValueForDynamics(ref value))
00092                     {
00093                         values[j] = value;
00094                     }
00095                 }
00096             }
00097
00098             return GetDataInternal(p);
00099         }
00100
00104         public GetDataResult<TItem> GetData<TItem>(
      GetDataParameters p)
00105             where TItem : class
00106         {
00107             // Preconditions
00108             if (p == null)
00109             {
00110                 throw new ArgumentNullException("parameters", "Parameters are strictly required");
00111             }

```

```

00112         if (String.IsNullOrEmpty(p.EntityName))
00113         {
00114             throw new ArgumentException("Entity name cannot be null or empty.", "entityName");
00115         }
00116         if (p.EntityAttributes == null)
00117         {
00118             throw new ArgumentNullException("entityAttributes", "Entity attributes cannot be null");
00119         }
00120
00121         if (p.SearchFilters == null)
00122         {
00123             p.SearchFilters = new Parameters.GetDataSearchFilter[0];
00124         }
00125
00126         // Conversioni dei parametri, in modo che siano in un formato standard accettato da Dynamics.
00127         foreach (var filter in p.SearchFilters)
00128         {
00129             var values = filter.Values;
00130             for (var j = 0; j < values.Count; ++j)
00131             {
00132                 var value = values[j];
00133                 if (TryConvertValueForDynamics(ref value))
00134                 {
00135                     values[j] = value;
00136                 }
00137             }
00138         }
00139
00140         return GetDataInternal<TItem>(p);
00141     }
00142
00143     public SendDataResult SendData(SendDataParameters p)
00144     {
00145         // Preconditions
00146         if (p == null)
00147         {
00148             throw new ArgumentNullException("parameters", "Parameters are strictly required");
00149         }
00150         if (String.IsNullOrEmpty(p.EntityName))
00151         {
00152             throw new ArgumentException("Entity name cannot be null or empty.", "entityName");
00153         }
00154         if (p.Items == null || !p.Items.Any())
00155         {
00156             throw new ArgumentException("Items cannot be null or empty.", "items");
00157         }
00158
00159         return SendDataInternal(p);
00160     }
00161
00162     public SendDataResult SendData<TItem>(
00163         SendDataParameters<TItem> p)
00164         where TItem : class
00165     {
00166         // Preconditions
00167         if (p == null)
00168         {
00169             throw new ArgumentNullException("parameters", "Parameters are strictly required");
00170         }
00171         if (string.IsNullOrEmpty(p.EntityName))
00172         {
00173             throw new ArgumentException("Entity name cannot be null or empty.", "entityName");
00174         }
00175
00176         return SendDataInternal(p);
00177     }
00178
00179     public CreatePurchaseOrderResult
00180     CreatePurchaseOrder(CreatePurchaseOrderParameters p)
00181     {
00182         // Preconditions
00183         RaiseArgumentNullException.IfIsNull(p, "parameters", "Parameters are strictly required");
00184
00185         return CreatePurchaseOrderInternal(p);
00186     }
00187
00188     public SendTrayDataResult SendTrayData(
00189         SendTrayDataParameters p)
00190     {
00191         // Preconditions
00192         RaiseArgumentNullException.IfIsNull(p, "parameters", "Parameters are strictly required");
00193
00194         return SendTrayDataInternal(p);
00195     }
00196
00197     public SendPunchDataResult SendPunchData(
00198         SendPunchDataParameters p)

```

```

00210     {
00211         // Preconditions
00212         RaiseArgumentNullException.IfIsNull(p, "parameters", "Parameters are strictly required");
00213
00214         return SendPunchDataInternal(p);
00215     }
00216
00217     #endregion IIntegrationService members
00218
00219     #region Private methods
00220
00221     private static bool TryConvertValueForDynamics(ref object value)
00222     {
00223         if (value is DateTime)
00224         {
00225             value = ((DateTime)value).ToUniversalTime();
00226             return true;
00227         }
00228         return false;
00229     }
00230
00231     #endregion Private methods
00232 }
00233 }

```

7.9 Attributes/OptionalAttribute.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.Attributes.OptionalAttribute](#)
Indica che una certa proprietà è opzionale.

Namespaces

- package [RINA.RINew.IntegrationService.Client.Attributes](#)

7.10 OptionalAttribute.cs

```

00001 using System;
00002
00003 namespace RINA.RINew.IntegrationService.Client.Attributes
00004 {
00008     [AttributeUsage(AttributeTargets.Property)]
00009     public sealed class OptionalAttribute : Attribute
00010     {
00011     }
00012 }

```

7.11 Attributes/RequiredAttribute.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.Attributes.RequiredAttribute](#)
Indica che una certa proprietà deve essere valorizzata.

Namespaces

- package [RINA.RINew.IntegrationService.Client.Attributes](#)

7.12 RequiredAttribute.cs

```

00001 using System;
00002 using System.Collections;
00003 using System.Collections.Generic;
00004 using System.Linq;
00005 using System.Reflection;
00006 using PommaLabs.Thrower;
00007
00008 namespace RINA.RINew.IntegrationService.Client.Attributes
00009 {
00010     [AttributeUsage(AttributeTargets.Property)]
00011     public sealed class RequiredAttribute : Attribute
00012     {
00013         private static readonly object[] NoIndexes = new object[0];
00014
00015         public static bool ObjectHasAllRequiredProperties<TObj>(TObj obj, out IList<string>
missingProperties)
00016         {
00017             missingProperties = new List<string>();
00018             return ObjectHasAllRequiredPropertiesInternal(obj, string.Empty, missingProperties);
00019         }
00020
00021         private static bool ObjectHasAllRequiredPropertiesInternal(object obj, string objName,
IList<string> missingProperties)
00022         {
00023             if (ReferenceEquals(obj, null))
00024             {
00025                 missingProperties.Add(objName);
00026                 return false;
00027             }
00028
00029             var objType = obj.GetType();
00030
00031             if (objType.IsPrimitive || objType.IsEnum)
00032             {
00033                 return true;
00034             }
00035
00036             if (objType.IsClass || objType.IsValueType)
00037             {
00038                 var props = objType.GetProperties(BindingFlags.Public | BindingFlags.Instance |
BindingFlags.GetProperty);
00039                 var reqProps = props.Where(pr => pr.GetCustomAttributes(false).Any(a => a is
RequiredAttribute));
00040
00041                 foreach (var rp in reqProps)
00042                 {
00043                     var propertyValue = rp.GetValue(obj, NoIndexes);
00044                     ObjectHasAllRequiredPropertiesInternal(propertyValue, rp.Name, missingProperties);
00045
00046                     var enumerable = propertyValue as IEnumerable;
00047                     if (enumerable != null)
00048                     {
00049                         foreach (var item in enumerable)
00050                         {
00051                             ObjectHasAllRequiredPropertiesInternal(item, string.Empty, missingProperties);
00052                         }
00053                     }
00054                 }
00055
00056                 return missingProperties.Count == 0;
00057             }
00058
00059             // Non dovrei mai finire qui!
00060             return true;
00061         }
00062     }
00063 }
00064
00065
00066

```

7.13 Core/ExchangeFormatHandler.cs File Reference

Classes

- class **RINA.RINew.IntegrationService.Client.Core.ExchangeFormatHandler**
Metodi che leggono il formato di interscambio e traducono gli oggetti in esso.
- struct **RINA.RINew.IntegrationService.Client.Core.ExchangeFormatHandler.SerializationResult**
Il risultato della serializzazione di una sequenza di righe lette da DB.

Namespaces

- package [RINA.RINew.IntegrationService.Client.Core](#)

7.14 ExchangeFormatHandler.cs

```

00001 using Castle.Components.DictionaryAdapter;
00002 using Castle.Core;
00003 using System;
00004 using System.Collections;
00005 using System.Collections.Generic;
00006 using System.Diagnostics;
00007 using System.IO;
00008 using System.Linq;
00009 using System.Xml;
00010
00011 namespace RINA.RINew.IntegrationService.Client.Core
00012 {
00016     public static class ExchangeFormatHandler
00017     {
00021         private static readonly DictionaryAdapterFactory DictionaryAdapterFactory = new
DictionaryAdapterFactory();
00022
00029         public static IEnumerable<IDictionary<string, string>> Deserialize(string message, IList<string>
expectedColumns, IDictionary<string, string> rootAttributes = null)
00030         {
00031             // Preconditions
00032             if (String.IsNullOrEmpty(message))
00033             {
00034                 throw new ArgumentException("Message cannot be null or empty.", "message");
00035             }
00036
00037             // Meglio usare le colonne in _lower_ così che siano sempre uniformi.
00038             var lowerExpectedColumns = expectedColumns.Select(ec => ec.ToLowerInvariant()).ToArray();
00039
00040             // Avvio la lettura dell'XML. Uso un XmlReader in quanto l'XML potrebbe avere dimensioni
00041             // considerevoli e non posso causare elevati consumi di memoria. Inoltre, le performance
00042             // non vanno trascurate: XmlReader è molto veloce.
00043             using (var stringReader = new StringReader(message))
00044             using (var xmlReader = XmlReader.Create(stringReader))
00045             {
00046                 while (xmlReader.Read())
00047                 {
00048                     // Voglio soltanto gli elementi di nome "item", continuo la lettura.
00049                     if (xmlReader.NodeType != XmlNodeType.Element)
00050                     {
00051                         continue;
00052                     }
00053                     if (xmlReader.Name != "item")
00054                     {
00055                         if (rootAttributes != null)
00056                         {
00057                             while (xmlReader.MoveToNextAttribute())
00058                             {
00059                                 rootAttributes.Add(xmlReader.Name.ToLowerInvariant(), xmlReader.Value);
00060                             }
00061                         }
00062                         continue;
00063                     }
00064
00065                     // La mappa che verrà ritornata in modo lazy alla funzione che si occuperà
00066                     // dell'inserimento nelle tabelle di stage.
00067                     var data = new Dictionary<string, string>();
00068
00069                     // Inserisco i valori nel dizionario, utilizzando gli attributi dell'elemento.
00070                     // Metto tutto in _lower_, in modo da evitare ambiguità.
00071                     while (xmlReader.MoveToNextAttribute())
00072                     {
00073                         data.Add(xmlReader.Name.ToLowerInvariant(), xmlReader.Value);
00074                     }
00075
00076                     // Aggiungo le colonne mancanti, nel caso ce ne siano.
00077                     // Mi aspetto che le colonne siano tutte in _lower_.
00078                     foreach (var c in lowerExpectedColumns.Where(ec => !data.ContainsKey(ec)))
00079                     {
00080                         data.Add(c, null);
00081                     }
00082
00083                     // Muovo in avanti l'iteratore, restituendo il dizionario appena riempito.
00084                     yield return data;
00085                 }
00086             }

```

```

00087     }
00088
00089     public static IEnumerable<TItem> Deserialize<TItem>(string message, IList<string> expectedColumns)
00090     where TItem : class
00091     {
00092         // Preconditions
00093         if (String.IsNullOrEmpty(message))
00094         {
00095             throw new ArgumentException("Message cannot be null or empty.", "message");
00096         }
00097
00098         // L'enumeratore definito dal metodo sopra, restituisce un dizionario in modo LAZY.
00099         return Deserialize(message, expectedColumns).Cast<IDictionary>().Select(data =>
DictionaryAdapterFactory.GetAdapter<TItem>(data));
00100     }
00101
00102     public static SerializationResult Serialize(string rootElementName, IEnumerable<IDictionary<string,
00103 object>> data)
00104     {
00105         // Preconditions
00106         if (String.IsNullOrEmpty(rootElementName))
00107         {
00108             throw new ArgumentException("Root element name cannot be null or empty.", "rootElementName"
00109 );
00110         }
00111         if (data == null)
00112         {
00113             throw new ArgumentNullException("data", "Data sequence cannot be null, if there are no
00114 elements use an empty sequence.");
00115         }
00116
00117         using (var stringWriter = new StringWriter())
00118         using (var xmlWriter = XmlWriter.Create(stringWriter, new XmlWriterSettings { OmitXmlDeclaratio
n = true }))
00119         {
00120             xmlWriter.WriteStartElement(rootElementName);
00121
00122             var rowCount = 0;
00123
00124             foreach (var d in data)
00125             {
00126                 xmlWriter.WriteStartElement("item");
00127                 foreach (var kv in d)
00128                 {
00129                     // Se un valore è nullo, NON devo aggiungere l'attributo all'XML.
00130                     if (kv.Value == null)
00131                     {
00132                         continue;
00133                     }
00134
00135                     // La chiave va in minuscolo.
00136                     xmlWriter.WriteStartAttribute(kv.Key.ToUpperInvariant());
00137                     xmlWriter.WriteValue(kv.Value);
00138                     xmlWriter.WriteEndAttribute();
00139                 }
00140                 xmlWriter.WriteEndElement();
00141
00142                 ++rowCount;
00143             }
00144
00145             xmlWriter.WriteEndElement();
00146             xmlWriter.Flush();
00147
00148             return new SerializationResult
00149             {
00150                 Message = stringWriter.ToString(),
00151                 RowCount = rowCount
00152             };
00153         }
00154     }
00155
00156     public static SerializationResult Serialize<TItem>(string rootElementName, IEnumerable<TItem> data)
00157     {
00158         // Preconditions
00159         if (String.IsNullOrEmpty(rootElementName))
00160         {
00161             throw new ArgumentException("Root element name cannot be null or empty.", "rootElementName"
00162 );
00163         }
00164         if (data == null)
00165         {
00166             throw new ArgumentNullException("data", "Data sequence cannot be null, if there are no
00167 elements use an empty sequence.");
00168         }
00169
00170         using (var stringWriter = new StringWriter())
00171         using (var xmlWriter = XmlWriter.Create(stringWriter))

```

```

00189         {
00190             xmlWriter.WriteStartDocument();
00191             xmlWriter.WriteStartElement(rootElementName);
00192
00193             var rowCount = 0;
00194
00195             foreach (var d in data)
00196             {
00197                 xmlWriter.WriteStartElement("item");
00198                 var dict = new ReflectionBasedDictionaryAdapter(d);
00199                 foreach (var k in dict.Keys)
00200                 {
00201                     var v = dict[k];
00202
00203                     // Se un valore è nullo, NON devo aggiungere l'attributo all'XML.
00204                     if (v == null)
00205                     {
00206                         continue;
00207                     }
00208
00209                     // La chiave va in minuscolo.
00210                     xmlWriter.WriteStartAttribute(k.ToString().ToLower());
00211                     xmlWriter.WriteValue(v);
00212                     xmlWriter.WriteEndAttribute();
00213                 }
00214                 xmlWriter.WriteEndElement();
00215
00216                 ++rowCount;
00217             }
00218
00219             xmlWriter.WriteEndElement();
00220             xmlWriter.WriteEndDocument();
00221             xmlWriter.Flush();
00222
00223             return new SerializationResult
00224             {
00225                 Message = stringWriter.ToString(),
00226                 RowCount = rowCount
00227             };
00228         }
00229     }
00230
00231     [Serializable]
00232     public struct SerializationResult
00233     {
00234         public string Message { get; set; }
00235
00236         public int RowCount { get; set; }
00237     }
00238 }

```

7.15 Core/IRRequestTracer.cs File Reference

Classes

- interface [RINA.RINew.IntegrationService.Client.Core.IRequestTracer](#)
Interfaccia che descrive un oggetto che tiene traccia delle comunicazioni avvenute con un dato servizio.

Namespaces

- package [RINA.RINew.IntegrationService.Client.Core](#)

7.16 IRequestTracer.cs

```

00001 namespace RINA.RINew.IntegrationService.Client.Core
00002 {
00003     public interface IRequestTracer
00004     {
00005         string RawRequest { get; }
00006
00007         string RawResponse { get; }
00008     }
00009 }

```

7.17 Core/ObjectToDictionaryRegistry.cs File Reference

Classes

- class **RINA.RINew.IntegrationService.Client.Core.ObjectToDictionaryRegistry**

Loads the values of an object's properties into a `IDictionary<String, Object>`

Namespaces

- package [RINA.RINew.IntegrationService.Client.Core](#)

7.18 ObjectToDictionaryRegistry.cs

```

00001 using System;
00002 using System.Collections.Generic;
00003 using System.Linq;
00004 using System.Reflection;
00005 using System.Reflection.Emit;
00006 using System.Threading;
00007
00008 namespace RINA.RINew.IntegrationService.Client.Core
00009 {
00010     public static class ObjectToDictionaryRegistry
00011     {
00012         private static readonly Dictionary<Type, Func<object, IDictionary<string, object>>> cache = new
00013 Dictionary<Type, Func<object, IDictionary<string, object>>>();
00014         private static readonly ReaderWriterLockSlim rwLock = new ReaderWriterLockSlim();
00015
00016         public static IDictionary<string, object> Convert(object dataObject)
00017         {
00018             if (dataObject == null)
00019             {
00020                 return null;
00021             }
00022             if (dataObject is IDictionary<string, object>)
00023             {
00024                 return (IDictionary<string, object>) dataObject;
00025             }
00026             return GetObjectToDictionaryConverter(dataObject)(dataObject);
00027         }
00028
00029         private static Func<object, IDictionary<string, object>> GetObjectToDictionaryConverter(object item
00030 )
00031         {
00032             rwLock.EnterUpgradeableReadLock();
00033             try
00034             {
00035                 Func<object, IDictionary<string, object>> ft;
00036                 if (!cache.TryGetValue(item.GetType(), out ft))
00037                 {
00038                     rwLock.EnterWriteLock();
00039                     // double check
00040                     try
00041                     {
00042                         if (!cache.TryGetValue(item.GetType(), out ft))
00043                         {
00044                             ft = CreateObjectToDictionaryConverter(item.GetType());
00045                             cache[item.GetType()] = ft;
00046                         }
00047                     }
00048                     finally
00049                     {
00050                         rwLock.ExitWriteLock();
00051                     }
00052                 }
00053                 return ft;
00054             }
00055             finally
00056             {
00057                 rwLock.ExitUpgradeableReadLock();
00058             }
00059         }
00060
00061         public static Func<object, IDictionary<string, object>> CreateObjectToDictionaryConverter(Type
00062 itemType)
00063         {

```

```

00079         var dictType = typeof(Dictionary<string, object>);
00080
00081         // setup dynamic method
00082         // Important: make itemType owner of the method to allow access to internal types
00083         object) }, itemType);
00084         var il = dm.GetILGenerator();
00085
00086         // Dictionary.Add(object key, object value)
00087         var addMethod = dictType.GetMethod("Add");
00088
00089         // create the Dictionary and store it in a local variable
00090         il.DeclareLocal(dictType);
00091         il.Emit(OpCodes.Newobj, dictType.GetConstructor(Type.EmptyTypes));
00092         il.Emit(OpCodes.Stloc_0);
00093
00094         var attributes = BindingFlags.Instance | BindingFlags.Public | BindingFlags.FlattenHierarchy;
00095         foreach (var property in itemType.GetProperties(attributes).Where(info => info.CanRead))
00096         {
00097             // load Dictionary (prepare for call later)
00098             il.Emit(OpCodes.Ldloc_0);
00099             // load key, i.e. name of the property
00100             il.Emit(OpCodes.Ldstr, property.Name);
00101
00102             // load value of property to stack
00103             il.Emit(OpCodes.Ldarg_0);
00104             il.EmitCall(OpCodes.Callvirt, property.GetGetMethod(), null);
00105             // perform boxing if necessary
00106             if (property.PropertyType.IsValueType)
00107             {
00108                 il.Emit(OpCodes.Box, property.PropertyType);
00109             }
00110
00111             // stack at this point
00112             // 1. string or null (value)
00113             // 2. string (key)
00114             // 3. dictionary
00115
00116             // ready to call dict.Add(key, value)
00117             il.EmitCall(OpCodes.Callvirt, addMethod, null);
00118         }
00119         // finally load Dictionary and return
00120         il.Emit(OpCodes.Ldloc_0);
00121         il.Emit(OpCodes.Ret);
00122
00123         return (Func<object, IDictionary<string, object>>) dm.CreateDelegate(typeof(Func<object,
IDictionary<string, object>>));
00124     }
00125 }
00126 }

```

7.19 Core/SimpleImpersonation/Impersonation.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.Core.SimpleImpersonation.Impersonation](#)

Namespaces

- package [RINA.RINew.IntegrationService.Client.Core.SimpleImpersonation](#)

7.20 Impersonation.cs

```

00001 using System;
00002 using System.Runtime.InteropServices;
00003 using System.Security.Permissions;
00004 using System.Security.Principal;
00005
00006 namespace RINA.RINew.IntegrationService.Client.Core.SimpleImpersonation
00007 {
00008     [PermissionSet(SecurityAction.Demand, Name = "FullTrust")]
00009     public sealed class Impersonation : IDisposable
00010     {
00011         private readonly SafeTokenHandle _handle;

```

```

00012         private readonly WindowsImpersonationContext _context;
00013
00014         public static Impersonation LogonUser(string domain, string username, string
password, LogonType logonType)
00015         {
00016             return new Impersonation(domain, username, password, logonType);
00017         }
00018
00019         private Impersonation(string domain, string username, string password,
LogonType logonType)
00020         {
00021             IntPtr handle;
00022             var ok = NativeMethods.LogonUser(username, domain, password, (int) logonType, 0, out
handle);
00023             if (!ok)
00024             {
00025                 var errorCode = Marshal.GetLastWin32Error();
00026                 throw new ApplicationException(string.Format("Could not impersonate the elevated user.
LogonUser returned error code {0}.", errorCode));
00027             }
00028
00029             _handle = new SafeTokenHandle(handle);
00030             _context = WindowsIdentity.Impersonate(_handle.DangerousGetHandle());
00031         }
00032
00033         public void Dispose()
00034         {
00035             _context.Dispose();
00036             _handle.Dispose();
00037         }
00038     }
00039 }

```

7.21 Core/SimpleImpersonation/LogonType.cs File Reference

Namespaces

- package [RINA.RINew.IntegrationService.Client.Core.SimpleImpersonation](#)

Enumerations

- enum [RINA.RINew.IntegrationService.Client.Core.SimpleImpersonation.LogonType](#) {
[RINA.RINew.IntegrationService.Client.Core.SimpleImpersonation.LogonType.Interactive](#) = 2, [RINA.RINew.](#)↵
[IntegrationService.Client.Core.SimpleImpersonation.LogonType.Network](#) = 3, [RINA.RINew.Integration](#)↵
[Service.Client.Core.SimpleImpersonation.LogonType.Batch](#) = 4, [RINA.RINew.IntegrationService.Client.](#)↵
[Core.SimpleImpersonation.LogonType.Service](#) = 5,
[RINA.RINew.IntegrationService.Client.Core.SimpleImpersonation.LogonType.Unlock](#) = 7, [RINA.RINew.](#)↵
[IntegrationService.Client.Core.SimpleImpersonation.LogonType.NetworkCleartext](#) = 8, [RINA.RINew.](#)↵
[IntegrationService.Client.Core.SimpleImpersonation.LogonType.NewCredentials](#) = 9 }

Specifies the type of login used. <http://msdn.microsoft.com/en-us/library/windows/desktop/aa378184.↵>
aspix

7.22 LogonType.cs

```

00001 namespace RINA.RINew.IntegrationService.Client.Core.SimpleImpersonation
00002 {
00006     public enum LogonType
00007     {
00015         Interactive = 2,
00016
00021         Network = 3,
00022
00029         Batch = 4,
00030
00034         Service = 5,
00035
00041         Unlock = 7,
00042
00050         NetworkCleartext = 8,
00051

```

```

00058         NewCredentials = 9,
00059     }
00060 }

```

7.23 Core/SimpleImpersonation/NativeMethods.cs File Reference

Classes

- class **RINA.RINew.IntegrationService.Client.Core.SimpleImpersonation.NativeMethods**

Namespaces

- package [RINA.RINew.IntegrationService.Client.Core.SimpleImpersonation](#)

7.24 NativeMethods.cs

```

00001 using System;
00002 using System.Runtime.ConstrainedExecution;
00003 using System.Runtime.InteropServices;
00004 using System.Security;
00005
00006 namespace RINA.RINew.IntegrationService.Client.Core.SimpleImpersonation
00007 {
00008     internal class NativeMethods
00009     {
00010         [DllImport("advapi32.dll", SetLastError = true, CharSet = CharSet.Unicode)]
00011         internal static extern bool LogonUser(String lpszUsername, String lpszDomain, String lpszPassword,
00012         int dwLogonType, int dwLogonProvider, out IntPtr phToken);
00013
00014         [DllImport("kernel32.dll")]
00015         [ReliabilityContract(Consistency.WillNotCorruptState, Cer.Success)]
00016         [SuppressUnmanagedCodeSecurity]
00017         [return: MarshalAs(UnmanagedType.Bool)]
00018         internal static extern bool CloseHandle(IntPtr handle);
00019     }

```

7.25 Core/SimpleImpersonation/SafeTokenHandle.cs File Reference

Classes

- class **RINA.RINew.IntegrationService.Client.Core.SimpleImpersonation.SafeTokenHandle**

Namespaces

- package [RINA.RINew.IntegrationService.Client.Core.SimpleImpersonation](#)

7.26 SafeTokenHandle.cs

```

00001 using Microsoft.Win32.SafeHandles;
00002 using System;
00003
00004 namespace RINA.RINew.IntegrationService.Client.Core.SimpleImpersonation
00005 {
00006     internal sealed class SafeTokenHandle : SafeHandleZeroOrMinusOneIsInvalid
00007     {
00008         internal SafeTokenHandle(IntPtr handle)
00009             : base(true)
00010         {
00011             this.handle = handle;
00012         }

```



```

00013
00014         protected override bool ReleaseHandle()
00015         {
00016             return NativeMethods.CloseHandle(handle);
00017         }
00018     }
00019 }

```

7.27 Exceptions/ServiceErrorException.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.Exceptions.ServiceErrorException](#)

*Usata quando il servizio di sincronizzazione va in errore per colpa di una richiesta errata (codice HTTP 4**).*

Namespaces

- package [RINA.RINew.IntegrationService.Client.Exceptions](#)

7.28 ServiceErrorException.cs

```

00001 using RINA.RINew.IntegrationService.Client.Core;
00002 using System;
00003 using System.Runtime.Serialization;
00004
00005 namespace RINA.RINew.IntegrationService.Client.Exceptions
00006 {
00011     [Serializable]
00012     public class ServiceErrorException : Exception,
00013         IRequestTracer
00014     {
00017         public ServiceErrorException()
00018         {
00019         }
00020
00024         public ServiceErrorException(string message)
00025             : base(message)
00026         {
00027         }
00028
00032         public ServiceErrorException(string message, string rawRequest, string
00033             rawResponse)
00034             : base(message)
00035         {
00036             RawRequest = rawRequest;
00037             RawResponse = rawResponse;
00038         }
00042         public ServiceErrorException(string message, Exception inner)
00043             : base(message, inner)
00044         {
00045         }
00046
00050         public ServiceErrorException(string message, Exception inner, string
00051             rawRequest, string rawResponse)
00052             : base(message, inner)
00053         {
00054             RawRequest = rawRequest;
00055             RawResponse = rawResponse;
00056         }
00060         protected ServiceErrorException(SerializationInfo info, StreamingContext
00061             context)
00062             : base(info, context)
00063         {
00064
00068             public string RawRequest { get; private set; }
00069
00073             public string RawResponse { get; private set; }
00074         }
00075     }

```

7.29 IntegrationService.cs File Reference

Classes

- interface [RINA.RINew.IntegrationService.Client.IIntegrationService](#)
Interfaccia che mappa i metodi dell'Integration Service, di modo che siano facilmente fruibili in ambiente .NET e di modo che alcune implementazioni "condivisibili" siano realmente condivise tra più fornitori

Namespaces

- package [RINA.RINew.IntegrationService.Client](#)

7.30 IntegrationService.cs

```

00001 using RINA.RINew.IntegrationService.Client.
00002     Exceptions;
00002 using RINA.RINew.IntegrationService.Client.
00003     Parameters;
00003 using RINA.RINew.IntegrationService.Client.
00004     Results;
00004 using System;
00005
00006 namespace RINA.RINew.IntegrationService.Client
00007 {
00017     public interface IIntegrationService
00018     {
00036         GetDataResult GetData(GetDataParameters parameters);
00037
00066         GetDataResult<TItem> GetData<TItem>(
00067             GetDataParameters parameters)
00068             where TItem : class;
00078         SendDataResult SendData(SendDataParameters parameters);
00079
00090         SendDataResult SendData<TItem>(SendDataParameters<TItem>
00091             parameters)
00092             where TItem : class;
00102         CreatePurchaseOrderResult CreatePurchaseOrder(
00103             CreatePurchaseOrderParameters parameters);
00113         SendTrayDataResult SendTrayData(SendTrayDataParameters
00114             parameters);
00124         SendPunchDataResult SendPunchData(
00125             SendPunchDataParameters parameters);
00125     }
00126 }

```

7.31 MockIntegrationService.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.MockIntegrationService](#)
Implementazione di mock per simulare l'accesso all'Integration Service.
- class [RINA.RINew.IntegrationService.Client.MockIntegrationService.MockData](#)
oggetto che rappresenta il formato del file Json che leggo
- class [RINA.RINew.IntegrationService.Client.MockIntegrationService.SendDataOverride](#)

Namespaces

- package [RINA.RINew.IntegrationService.Client](#)

7.32 MockIntegrationService.cs

```

00001 using Castle.Components.DictionaryAdapter;
00002 using Newtonsoft.Json;
00003 using RINA.RINew.IntegrationService.Client.Core;
00004 using RINA.RINew.IntegrationService.Client.
    Parameters;
00005 using RINA.RINew.IntegrationService.Client.
    Results;
00006 using System;
00007 using System.Collections;
00008 using System.Collections.Generic;
00009 using System.Globalization;
00010 using System.IO;
00011 using System.Linq;
00012 using PommaLabs.Thrower;
00013 using RINA.RINew.IntegrationService.Client.
    Attributes;
00014
00015 namespace RINA.RINew.IntegrationService.Client
00016 {
00023     public class MockIntegrationService :
        AbstractIntegrationService
00024     {
00025         private static readonly DictionaryAdapterFactory DictionaryAdapterFactory = new
            DictionaryAdapterFactory();
00026
00027         private string _path;
00028
00033         public MockIntegrationService(string path)
00034         {
00035             _path = path;
00036         }
00037
00038         public string EntitiesPath
00039         {
00040             get { return _path; }
00041         }
00042
00043         #region GetData
00044
00048         protected override GetDataResult GetDataInternal(
            GetDataParameters p)
00049         {
00050             p.EntityAttributes = p.EntityAttributes.Select(x => x.ToLower()
                ).ToList();
00051
00052             var file = File.ReadAllText(Path.Combine(_path, p.EntityName) + ".json");
00053
00054             var en = JsonConvert.DeserializeObject<MockData>(file);
00055
00056             //en.ParsedGetDataItems = ExchangeFormatHandler.Deserialize(en.GetDataItems,
                p.EntityAttributes.ToList()).ToArray();
00057
00058             var attrs = new List<IDictionary<string, string>>();
00059
00060             var filters = new List<IDictionary<string, string>>();
00061
00062             var seq = new List<IDictionary<string, string>>();
00063
00064             if (en != null)
00065             {
00066                 //applico eventuali filtri
00067                 if (p.SearchFilters != null && p.SearchFilters.Count > 0)
00068                 {
00069                     foreach (var f in p.SearchFilters)
00070                     {
00071                         if (filters.Count > 0)
00072
00073                             filters = ApplyFilter(f, filters);
00074                         else
00075                             filters = ApplyFilter(f, en.GetDataItems);
00076                     }
00077                 }
00078                 else
00079                 {
00080                     //se non ho filtri lavoro sull'intera collezione di items
00081                     seq = new List<IDictionary<string, string>>(en.GetDataItems);
00082                 }
00083
00084                 //se ho filtrato degli items estraggo gli attributi solo da questa lista
00085                 if (filters.Count != 0)
00086                 {
00087                     seq = filters;
00088                 }
00089

```

```

00090         var presente = false;
00091
00092         if (seq.Count != 0)
00093         {
00094             for (int i = 0; i < seq.Count; i++)
00095             {
00096                 var col = new Dictionary<string, string>();
00097
00098                 //verifico se negli attributi richiesti c'è anche la chiave dell'entità
00099                 foreach (var k in en.GetDataKey())
00100                 {
00101                     presente = p.EntityAttributes.Contains(k);
00102                 }
00103                 foreach (var pAttr in p.EntityAttributes)
00104                 {
00105                     string val;
00106                     if (seq[i].TryGetValue(pAttr, out val))
00107                     {
00108                         col.Add(pAttr, val);
00109                     }
00110                 }
00111
00112                 //se la chiave dell'entità non è presente negli attributi devo comunque restituirla
00113                 if (!presente)
00114                 {
00115                     foreach (var kv in en.GetDataKey())
00116                     {
00117                         string val;
00118                         if (seq[i].TryGetValue(kv, out val))
00119                         {
00120                             col.Add(kv, val);
00121                         }
00122                     }
00123                 }
00124                 attrs.Add(col);
00125             }
00126         }
00127     }
00128 }
00129 return new GetDataResult
00130 {
00131     Items = attrs,
00132     RawResponse = "JSON"
00133 };
00134 }
00135
00139 protected override GetDataResult<TItem> GetDataInternal<TItem>(
    GetDataParameters p)
00140 {
00141     // Preconditions
00142     RaiseArgumentOutOfRangeExceptionIfSomePropertyIsMissing(p);
00143
00144     var res = GetData(p);
00145     var attrs = res.Items.Cast<IDictionary>().Select(data => DictionaryAdapterFactory.GetAdapter<
TItem>(data));
00146
00147     return new GetDataResult<TItem>
00148     {
00149         Items = attrs,
00150         RawResponse = "XML"
00151     };
00152 }
00153
00154 private static List<IDictionary<string, string>> ApplyFilter(
    GetDataSearchFilter f, IEnumerable<IDictionary<string, string>> ParsedGetDataItems)
00155 {
00156     List<IDictionary<string, string>> filters = new List<IDictionary<string, string>>();
00157
00158     foreach (var i in ParsedGetDataItems)
00159     {
00160         foreach (var attr in i)
00161         {
00162             //cerco l'attributo sul quale applicare il filtro
00163             if (attr.Key.ToLower() == f.Name.ToLower())
00164             {
00165                 switch (f.Operator)
00166                 {
00167                     case GetDataFilterOperator.Equal:
00168                     {
00169                         foreach (var val in f.Values)
00170                         {
00171                             if (CustomCompare(attr.Value, val) == 0)
00172                                 filters.Add(i);
00173                         }
00174                     }
00175                     break;
00176                 }
00177             }
00178         }
00179     }
00180 }

```

```

00177         case GetDataFilterOperator.Greater:
00178         {
00179             foreach (var val in f.Values)
00180             {
00181                 if (CustomCompare(attr.Value, val) > 0)
00182                     filters.Add(i);
00183             }
00184             break;
00185         }
00186         case GetDataFilterOperator.GreaterEqual:
00187         {
00188             foreach (var val in f.Values)
00189             {
00190                 if (CustomCompare(attr.Value, val) >= 0)
00191                     filters.Add(i);
00192             }
00193             break;
00194         }
00195         case GetDataFilterOperator.Less:
00196         {
00197             foreach (var val in f.Values)
00198             {
00199                 if (CustomCompare(attr.Value, val) < 0)
00200                     filters.Add(i);
00201             }
00202             break;
00203         }
00204         case GetDataFilterOperator.LessEqual:
00205         {
00206             foreach (var val in f.Values)
00207             {
00208                 if (CustomCompare(attr.Value, val) <= 0)
00209                     filters.Add(i);
00210             }
00211             break;
00212         }
00213         case GetDataFilterOperator.NotEqual:
00214         {
00215             foreach (var val in f.Values)
00216             {
00217                 if (CustomCompare(attr.Value, val) != 0)
00218                     filters.Add(i);
00219             }
00220             break;
00221         }
00222     }
00223 }
00224 }
00225 }
00226     return filters;
00227 }
00228
00229 private static int CustomCompare<T>(string item1, T item2)
00230 {
00231     if (item2 is DateTime)
00232     {
00233         //var date = DateTime.SpecifyKind(Convert.ToDateTime(item1), DateTimeKind.Utc);
00234         var date1 = DateTime.ParseExact(item1, "dd/MM/yyyy HH:mm:ss", CultureInfo.InvariantCulture);
00235
00236         return DateTime.Compare(date1.ToUniversalTime(), Convert.ToDateTime(item2));
00237     }
00238     else
00239         return string.Compare(item1, item2.ToString(), StringComparison.Ordinal);
00240 }
00241
00242 #endregion GetData
00243
00244 #region SendData
00245
00249 protected override SendDataResult SendDataInternal(
    SendDataParameters p)
00250 {
00251     // Preconditions
00252     RaiseArgumentOutOfRangeExceptionIfSomePropertyIsMissing(p);
00253
00254     var mockData = SendData_ReadMockData(p.EntityName);
00255     var sendDataItems = SendData_PrepareResponseItems(p.EntityName, mockData, p.Items.ToArray());
00256
00257     return new SendDataResult
00258     {
00259         OverallStatus = sendDataItems.Any(i => i.Status ==
SendDataStatus.Ko) ? SendDataStatus.Ko :
SendDataStatus.Ok,
00260         OverallMessage = string.Empty,
00261         Items = sendDataItems,
00262         RawResponse = JsonConvert.SerializeObject(sendDataItems, Formatting.Indented)
    }

```

```

00263         };
00264     }
00265
00269     protected override SendDataResult SendDataInternal<TItem>(
SendDataParameters<TItem> p)
00270     {
00271         // Preconditions
00272         RaiseArgumentOutOfRangeExceptionIfSomePropertyIsMissing(p);
00273
00274         var mockData = SendData_ReadMockData(p.EntityName);
00275         var dictionaries = p.Items.Select(i => ObjectToDictionaryRegistry.Convert(i)).ToArray();
00276         var sendDataItems = SendData_PrepareResponseItems(p.EntityName, mockData, dictionaries);
00277
00278         return new SendDataResult
00279         {
00280             OverallStatus = sendDataItems.Any(i => i.Status ==
SendDataStatus.Ko) ? SendDataStatus.Ko :
SendDataStatus.Ok,
00281             OverallMessage = string.Empty,
00282             Items = sendDataItems,
00283             RawResponse = JsonConvert.SerializeObject(sendDataItems, Formatting.Indented)
00284         };
00285     }
00286
00287     private MockData SendData_ReadMockData(string entityName)
00288     {
00289         // Leggo il file per recuperare l'attributo chiave per SendData, oltre ai dati stessi.
00290         var json = File.ReadAllText(Path.Combine(_path, entityName) + ".json");
00291         return JsonConvert.DeserializeObject<MockData>(json);
00292     }
00293
00294     private IList<SendDataItem> SendData_PrepareResponseItems(string entityName, MockData mockData,
IDictionary<string, object>[] items)
00295     {
00296         // Per ogni riga di input, creo l'oggetto con il risultato di default.
00297         var sendDataItems = new List<SendDataItem>();
00298         foreach (var item in items)
00299         {
00300             var sendDataItem = new SendDataItem
00301             {
00302                 Message = string.Empty,
00303                 Operation = SendDataOperation.C,
00304                 Status = SendDataStatus.Ok,
00305                 DynamicsId = Guid.NewGuid().ToString(),
00306                 LegacyId = entityName
00307             };
00308
00309             // Guardo se esiste un override per l'oggetto dato.
00310             var itemKey = mockData.SendDataKey.Select(k => item[k]).ToArray();
00311             var over = mockData.SendDataOverrides.FirstOrDefault(o => o.Key.SequenceEqual(itemKey));
00312
00313             // Se esiste, lo applico.
00314             if (over != null)
00315             {
00316                 if (over.ResponseData.Status != SendDataStatus.None)
00317                 {
00318                     sendDataItem.Status = over.ResponseData.Status;
00319                 }
00320                 if (!string.IsNullOrEmpty(over.ResponseData.Message))
00321                 {
00322                     sendDataItem.Message = over.ResponseData.Message;
00323                 }
00324                 if (over.ResponseData.Operation != SendDataOperation.None)
00325                 {
00326                     sendDataItem.Operation = over.ResponseData.Operation;
00327                 }
00328             }
00329
00330             // Aggiungo l'item prodotto.
00331             sendDataItems.Add(sendDataItem);
00332         }
00333
00334         // Restituisco la lista.
00335         return sendDataItems;
00336     }
00337
00338 #endregion
00339
00343     protected override CreatePurchaseOrderResult
CreatePurchaseOrderInternal(
CreatePurchaseOrderParameters p)
00344     {
00345         // Preconditions
00346         RaiseArgumentOutOfRangeExceptionIfSomePropertyIsMissing(p);
00347
00348         return new CreatePurchaseOrderResult
00349         {

```

```

00350         OverallStatus = SendDataStatus.Ok,
00351         OverallMessage = "Sample overall message",
00352         Items = p.Items.Select(i => new CreatePurchaseOrderItem
00353         {
00354             LegacyId = "Legacy",
00355             DynamicsId = Guid.NewGuid().ToString("D"),
00356             Message = "Sample message",
00357             Operation = SendDataOperation.C,
00358             Status = SendDataStatus.Ok
00359         })
00360     };
00361 }
00362
00366     protected override SendTrayDataResult
SendTrayDataInternal(SendTrayDataParameters p)
00367     {
00368         // Preconditions
00369         RaiseArgumentOutOfRangeExceptionIfSomePropertyIsMissing(p);
00370
00371         return new SendTrayDataResult
00372         {
00373             OverallStatus = SendDataStatus.Ok,
00374             OverallMessage = "Sample overall message",
00375             Items = p.Tasks.Select(i => new SendTrayDataItem
00376             {
00377                 LegacyId = "Legacy",
00378                 DynamicsId = Guid.NewGuid().ToString("D"),
00379                 Message = "Sample message",
00380                 Operation = SendDataOperation.C,
00381                 Status = SendDataStatus.Ok
00382             }).Union(p.Teams.Select(i => new SendTrayDataItem
00383             {
00384                 LegacyId = "Legacy",
00385                 DynamicsId = Guid.NewGuid().ToString("D"),
00386                 Message = "Sample message",
00387                 Operation = SendDataOperation.C,
00388                 Status = SendDataStatus.Ok
00389             })))
00390     };
00391 }
00392
00396     protected override SendPunchDataResult
SendPunchDataInternal(SendPunchDataParameters p)
00397     {
00398         // Preconditions
00399         RaiseArgumentOutOfRangeExceptionIfSomePropertyIsMissing(p);
00400
00401         return new SendPunchDataResult
00402         {
00403             OverallStatus = SendDataStatus.Ok,
00404             OverallMessage = "Sample overall message",
00405             Items = p.Overtimes.Select(i => new SendPunchDataItem
00406             {
00407                 LegacyId = "Legacy",
00408                 DynamicsId = Guid.NewGuid().ToString("D"),
00409                 Message = "Sample message",
00410                 Operation = SendDataOperation.C,
00411                 Status = SendDataStatus.Ok
00412             })
00413         };
00414 }
00415
00416 #region Common
00417
00418 private static void RaiseArgumentOutOfRangeExceptionIfSomePropertyIsMissing<TObj>(TObj obj)
00419     {
00420         IList<string> missingProperties;
00421         RequiredAttribute.ObjectHasAllRequiredProperties(obj, out missingProperties);
00422         RaiseArgumentOutOfRangeException.If(missingProperties.Count != 0, "Missing properties: " + string.Join(",
00423         ", missingProperties.ToArray()), "parameters");
00424     }
00425
00428     public sealed class MockData
00429     {
00430         //il nome dell'entità per la quale faccio richiesta
00431         public string EntityName { get; set; }
00432
00433         //le colonne obbligatorie, restituite anche se non richieste (possono essercene più di una)
00434         public string[] GetDataKey { get; set; }
00435
00436         //gli attributi dell'entità da restituire
00437         public IDictionary<string, string>[] GetDataItems { get; set; }
00438
00439         //gli attributi dell'entità da restituire
00440         //public IDictionary<string, string>[] ParsedGetDataItems { get; set; }
00441
00442         //campi da inserire per la richiesta al servizio

```

```

00443         public string[] SendDataKey { get; set; }
00444
00445         //contiene dei campi per la response alla SendData
00446         public SendDataOverride[] SendDataOverrides { get; set; }
00447     }
00448
00449     public sealed class SendDataOverride
00450     {
00451         public string[] Key { get; set; }
00452
00453         public SendDataItem ResponseData { get; set; }
00454     }
00455
00456     #endregion
00457 }
00458 }

```

7.33 Parameters/AbstractParameters.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.Parameters.AbstractParameters](#)

Classe astratta che contiene tutte le proprietà che devono essere condivise dai parametri delle chiamate al servizio di integrazione.

Namespaces

- package [RINA.RINew.IntegrationService.Client.Parameters](#)

7.34 AbstractParameters.cs

```

00001 using System;
00002 using System.Runtime.Serialization;
00003
00004 namespace RINA.RINew.IntegrationService.Client.Parameters
00005 {
00010     [Serializable, DataContract]
00011     public abstract class AbstractParameters
00012     {
00016         protected AbstractParameters()
00017         {
00018             // Valori di default
00019             RequestXmlSchema = "http://tempuri.org/";
00020         }
00021
00029         [IgnoreDataMember]
00030         public string ServiceMethodName { get; set; }
00031
00039         [IgnoreDataMember]
00040         public string RequestXmlSchema { get; set; }
00041     }
00042 }

```

7.35 Parameters/CreatePurchaseOrderParameters.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderParameters](#)

I parametri richiesti da [IntegrationService.CreatePurchaseOrder](#).

- class [RINA.RINew.IntegrationService.Client.Parameters.CreatePurchaseOrderLine](#)

Rappresenta un riga della richiesta d'acquisto.

Namespaces

- package [RINA.RINew.IntegrationService.Client.Parameters](#)

7.36 CreatePurchaseOrderParameters.cs

```

00001 using RINA.RINew.IntegrationService.Client.
      Attributes;
00002 using System;
00003 using System.Collections.Generic;
00004 using System.Runtime.Serialization;
00005
00006 namespace RINA.RINew.IntegrationService.Client.Parameters
00007 {
00011     [Serializable, DataContract]
00012     public sealed class CreatePurchaseOrderParameters :
      AbstractParameters
00013     {
00017         public CreatePurchaseOrderParameters()
00018         {
00019             // Valori di default
00020             ServiceMethodName = "RINA.RINew.Leg2Dyn.xamlx/CreatePurchaseOrder";
00021         }
00022
00027         [DataMember(Name = "company", Order = 0), Required]
00028         public string Company { get; set; }
00029
00034         [DataMember(Name = "items", Order = 1), Required]
00035         public IList<CreatePurchaseOrderLine> Items { get; set; }
00036     }
00037
00041     [Serializable, DataContract]
00042     public sealed class CreatePurchaseOrderLine
00043     {
00048         [DataMember, Required]
00049         public string Currency { get; set; }
00050
00055         [DataMember, Required]
00056         public string MessageId { get; set; }
00057
00062         [DataMember, Required]
00063         public string Legacy { get; set; }
00064
00069         [DataMember, Required]
00070         public string LegalEntity { get; set; }
00071
00076         [DataMember, Optional]
00077         public decimal? PurchAgreementLineId { get; set; }
00078
00083         [DataMember, Required]
00084         public string WorkCode { get; set; }
00085
00090         [DataMember, Required]
00091         public string MategorialCategoryId { get; set; }
00092
00097         [DataMember, Required]
00098         public string Resource { get; set; }
00099
00104         [DataMember, Required]
00105         public string VendAccount { get; set; }
00106
00111         [DataMember, Required]
00112         public long LineId { get; set; }
00113
00118         [DataMember, Optional]
00119         public string LegacyPurchId { get; set; }
00120
00125         [DataMember, Optional]
00126         public DateTime? Date { get; set; }
00127
00132         [DataMember, Optional]
00133         public decimal? Quantity { get; set; }
00134
00139         [DataMember, Optional]
00140         public string RequesterCode { get; set; }
00141
00146         [DataMember, Optional]
00147         public string CostCenter { get; set; }
00148
00153         [DataMember, Optional]
00154         public string LanguageId { get; set; }
00155

```

```

00160         [DataMember, Optional]
00161         public decimal? TotalDiscPerc { get; set; }
00162
00167         [DataMember, Optional]
00168         public string ExtDescriptionLegacy { get; set; }
00169
00174         [DataMember, Optional]
00175         public long? Denomination { get; set; }
00176
00181         [DataMember, Optional]
00182         public long? Coefficient { get; set; }
00183
00188         [DataMember, Optional]
00189         public decimal? UnitPrice { get; set; }
00190
00195         [DataMember, Optional]
00196         public decimal? LineDiscPerc { get; set; }
00197     }
00198 }

```

7.37 Parameters/GetDataParameters.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.Parameters.GetDataParameters](#)
I parametri richiesti da [IntegrationService.GetData](#).
- class [RINA.RINew.IntegrationService.Client.Parameters.GetDataSearchFilter](#)
Il filtro che sarà applicato dall'Integration Service per capire quali entità recuperare.

Namespaces

- package [RINA.RINew.IntegrationService.Client.Parameters](#)

Enumerations

- enum [RINA.RINew.IntegrationService.Client.Parameters.GetDataFilterOperator](#) : byte {
[RINA.RINew.IntegrationService.Client.Parameters.GetDataFilterOperator.Equal](#) = 1, [RINA.RINew.IntegrationService.Client.Parameters.GetDataFilterOperator.Greater](#) = 2, [RINA.RINew.IntegrationService.Client.Parameters.GetDataFilterOperator.GreaterEqual](#) = 3, [RINA.RINew.IntegrationService.Client.Parameters.GetDataFilterOperator.Less](#) = 4,
[RINA.RINew.IntegrationService.Client.Parameters.GetDataFilterOperator.LessEqual](#) = 5, [RINA.RINew.IntegrationService.Client.Parameters.GetDataFilterOperator.NotEqual](#) = 6 }

L'operatore associato al filtro. L'operazione viene applicata in OR rispettivamente ai valori contenuti nel filtro.

7.38 GetDataParameters.cs

```

00001 using Newtonsoft.Json;
00002 using Newtonsoft.Json.Converters;
00003 using RINA.RINew.IntegrationService.Client.
Attributes;
00004 using System;
00005 using System.Collections.Generic;
00006 using System.Runtime.Serialization;
00007
00008 namespace RINA.RINew.IntegrationService.Client.Parameters
00009 {
00013     [Serializable, DataContract]
00014     public sealed class GetDataParameters : AbstractParameters
00015     {
00019         public GetDataParameters()
00020         {
00021             // Valori di default
00022             ServiceMethodName = "RINA.RINew.Dyn2Leg.xamlx/GetData";
00023         }
00024

```

```

00028         [DataMember(Name = "entityName", Order = 0), Required]
00029         public string EntityName { get; set; }
00030
00034         [DataMember(Name = "entityAttributes", Order = 1), Required]
00035         public IList<string> EntityAttributes { get; set; }
00036
00040         [DataMember(Name = "searchFilters", Order = 2), Optional]
00041         public IList<GetDataSearchFilter> SearchFilters { get; set; }
00042     }
00043
00047     [Serializable, DataContract]
00048     public sealed class GetDataSearchFilter
00049     {
00055         [DataMember(Name = "name", Order = 0), Required]
00056         public string Name { get; set; }
00057
00062         [DataMember(Name = "operator", Order = 1), Required, JsonConverter(typeof(StringEnumConverter))]
00063         public GetDataFilterOperator Operator { get; set; }
00064
00068         [DataMember(Name = "values", Order = 2), Required]
00069         public IList<object> Values { get; set; }
00070     }
00071
00076     public enum GetDataFilterOperator : byte
00077     {
00081         Equal = 1,
00082
00086         Greater = 2,
00087
00091         GreaterEqual = 3,
00092
00096         Less = 4,
00097
00101         LessEqual = 5,
00102
00106         NotEqual = 6
00107     }
00108 }

```

7.39 Parameters/SendDataParameters.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.Parameters.SendDataParameters](#)
I parametri richiesti da [IIntegrationService.SendData](#).
- class [RINA.RINew.IntegrationService.Client.Parameters.SendDataParameters< TItem >](#)
I parametri richiesti da [IIntegrationService.SendData](#).

Namespaces

- package [RINA.RINew.IntegrationService.Client.Parameters](#)

7.40 SendDataParameters.cs

```

00001 using System;
00002 using System.Collections.Generic;
00003 using System.Runtime.Serialization;
00004 using RINA.RINew.IntegrationService.Client.
    Attributes;
00005
00006 namespace RINA.RINew.IntegrationService.Client.Parameters
00007 {
00011     [Serializable, DataContract]
00012     public sealed class SendDataParameters :
        AbstractParameters
00013     {
00017         public SendDataParameters()
00018         {
00019             // Valori di default
00020             ServiceMethodName = "RINA.RINew.Leg2Dyn.xamlx/SendData";
00021         }
00022     }

```

```

00027         [DataMember(Name = "entityName", Order = 0), Required]
00028         public string EntityName { get; set; }
00029
00036         [DataMember(Name = "items", Order = 1), Required]
00037         public IEnumerable<IDictionary<string, object>> Items { get; set; }
00038     }
00039
00043     [Serializable, DataContract]
00044     public sealed class SendDataParameters<TItem> :
AbstractParameters
00045     {
00049         public SendDataParameters()
00050         {
00051             // Valori di default
00052             ServiceMethodName = "RINA.RINew.Leg2Dyn.xamlx/SendData";
00053         }
00054
00059         [DataMember(Name = "entityName", Order = 0), Required]
00060         public string EntityName { get; set; }
00061
00068         [DataMember(Name = "items", Order = 1), Required]
00069         public IEnumerable<TItem> Items { get; set; }
00070     }
00071 }

```

7.41 Parameters/SendPunchDataParameters.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.Parameters.SendPunchDataParameters](#)
I parametri richiesti da [IntegrationService.SendPunchData](#).
- class [RINA.RINew.IntegrationService.Client.Parameters.SendPunchDataOvertime](#)
Rappresenta una riga di overtime per [IntegrationService.SendPunchData](#).

Namespaces

- package [RINA.RINew.IntegrationService.Client.Parameters](#)

7.42 SendPunchDataParameters.cs

```

00001 using System;
00002 using System.Collections.Generic;
00003 using System.Runtime.Serialization;
00004 using RINA.RINew.IntegrationService.Client.
Attributes;
00005
00006 namespace RINA.RINew.IntegrationService.Client.Parameters
00007 {
00011     [Serializable, DataContract]
00012     public sealed class SendPunchDataParameters :
AbstractParameters
00013     {
00017         public SendPunchDataParameters()
00018         {
00019             // Valori di default
00020             ServiceMethodName = "RINA.RINew.Punch.xamlx/SendData";
00021         }
00022
00027         [DataMember, Required]
00028         public DateTime Data { get; set; }
00029
00034         [DataMember, Required]
00035         public int OreIntervento { get; set; }
00036
00041         [DataMember, Required]
00042         public string Matricola { get; set; }
00043
00048         [DataMember, Required]
00049         public string Legacy { get; set; }
00050
00055         [DataMember, Optional]
00056         public IList<SendPunchDataOvertime> Overtimes { get; set; }

```

```

00057     }
00058
00062     [Serializable, DataContract]
00063     public sealed class SendPunchDataOvertime
00064     {
00069         [DataMember, Required]
00070         public DateTime Data { get; set; }
00071
00076         [DataMember, Required]
00077         public int OreStraordinari { get; set; }
00078
00083         [DataMember, Required]
00084         public string Matricola { get; set; }
00085
00090         [DataMember, Required]
00091         public string TipoStraordinario { get; set; }
00092     }
00093 }

```

7.43 Parameters/SendTrayDataParameters.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataParameters](#)
I parametri richiesti da [IntegrationService.SendTrayData](#).
- class [RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataTask](#)
Riga di task nel vassoio.
- class [RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataTeam](#)
Riga di team nel vassoio.

Namespaces

- package [RINA.RINew.IntegrationService.Client.Parameters](#)

Enumerations

- enum [RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataTaskStatus](#) { [RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataTaskStatus.Open](#), [RINA.RINew.IntegrationService.Client.Parameters.SendTrayDataTaskStatus.Closed](#) }
Lo stato di un task.

7.44 SendTrayDataParameters.cs

```

00001 using RINA.RINew.IntegrationService.Client.
00002     Attributes;
00002 using System;
00003 using System.Collections.Generic;
00004 using System.Runtime.Serialization;
00005
00006 namespace RINA.RINew.IntegrationService.Client.Parameters
00007 {
00011     [Serializable, DataContract]
00012     public sealed class SendTrayDataParameters :
00013         AbstractParameters
00014     {
00017         public SendTrayDataParameters()
00018         {
00019             // Valori di default
00020             ServiceMethodName = "RINA.RINew.Tray.xamlx/SendData";
00021         }
00022
00027         [DataMember, Required]
00028         public string Origine { get; set; }
00029
00034         [DataMember, Required]

```

```

00035         public string SubProject { get; set; }
00036
00041         [DataMember, Required]
00042         public string Object { get; set; }
00043
00048         [DataMember, Required]
00049         public string CodiceWorkCrm { get; set; }
00050
00055         [DataMember, Required]
00056         public bool StatoWorkTechnico { get; set; }
00057
00062         [DataMember, Optional]
00063         public IList<SendTrayDataTask> Tasks { get; set; }
00064
00069         [DataMember, Optional]
00070         public IList<SendTrayDataTeam> Teams { get; set; }
00071     }
00072
00076     public sealed class SendTrayDataTask
00077     {
00082         [DataMember, Required]
00083         public string Vassoio { get; set; }
00084
00089         [DataMember, Optional]
00090         public string SubProject { get; set; }
00091
00096         [DataMember, Optional]
00097         public string CodiceWorkCrm { get; set; }
00098
00103         [DataMember, Optional]
00104         public DateTime? DataInizioWork { get; set; }
00105
00110         [DataMember, Optional]
00111         public DateTime? DataInizioTask { get; set; }
00112
00117         [DataMember, Optional]
00118         public string IdentificativoAsset { get; set; }
00119
00124         [DataMember, Optional]
00125         public string CodiceTaskTechnico { get; set; }
00126
00131         [DataMember, Required]
00132         public string TaskCatalogo { get; set; }
00133
00138         [DataMember, Optional]
00139         public IList<KeyValuePair<string, decimal>> TechnicalAttributes { get; set; }
00140
00145         [DataMember, Optional]
00146         public DateTime? DataChiusuraTask { get; set; }
00147
00152         [DataMember, Optional]
00153         public DateTime? DataChiusuraWorkTechnico { get; set; }
00154
00159         [DataMember, Optional]
00160         public SendTrayDataTaskStatus StatoTask { get; set; }
00161     }
00162
00166     public sealed class SendTrayDataTeam
00167     {
00172         [DataMember, Required]
00173         public string Vassoio { get; set; }
00174
00179         [DataMember, Optional]
00180         public string SubProject { get; set; }
00181
00186         [DataMember, Optional]
00187         public string CodiceWorkCrm { get; set; }
00188
00193         [DataMember, Required]
00194         public string ResourceCode { get; set; }
00195
00200         [DataMember, Required]
00201         public DateTime StartDate { get; set; }
00202
00207         [DataMember, Required]
00208         public DateTime EndDate { get; set; }
00209     }
00210
00214     public enum SendTrayDataTaskStatus
00215     {
00219         Open,
00220
00224         Closed
00225     }
00226 }

```

7.45 Properties/AssemblyInfo.cs File Reference

7.46 AssemblyInfo.cs

```

00001 using System.Reflection;
00002 using System.Runtime.InteropServices;
00003
00004 // General Information about an assembly is controlled through the following set of attributes.
00005 // Change these attribute values to modify the information associated with an assembly.
00006 [assembly: AssemblyTitle("RINA.RINew.IntegrationService.Client")]
00007 [assembly: AssemblyDescription("Client for the RINew Integration service.")]
00008 [assembly: AssemblyConfiguration("")]
00009 [assembly: AssemblyCompany("RINA Services")]
00010 [assembly: AssemblyProduct("RINA.RINew.IntegrationService.Client")]
00011 [assembly: AssemblyCopyright("Copyright © RINA Services")]
00012 [assembly: AssemblyTrademark("")]
00013 [assembly: AssemblyCulture("")]
00014
00015 // Setting ComVisible to false makes the types in this assembly not visible to COM components. If
00016 // you need to access a type in this assembly from COM, set the ComVisible attribute to true on that type.
00017 [assembly: ComVisible(false)]
00018
00019 // The following GUID is for the ID of the typelib if this project is exposed to COM
00020 [assembly: Guid("dde70b28-a289-4a22-bd49-4a13cf7497bc")]
00021
00022 // Version information for an assembly consists of the following four values:
00023 //
00024 // Major Version Minor Version Build Number Revision
00025 //
00026 // You can specify all the values or you can default the Build and Revision Numbers by using the '*'
00027 // as shown below: [assembly: AssemblyVersion("1.0.*")]
00028 [assembly: AssemblyVersion("1.0.20")]
00029 [assembly: AssemblyFileVersion("1.0.20")]

```

7.47 C:/Progetti/RINA/RINew/Wrappers/IntegrationService.Client.Extensions/Properties/AssemblyInfo.cs File Reference

7.48 AssemblyInfo.cs

```

00001 using System.Reflection;
00002 using System.Runtime.InteropServices;
00003
00004 // General Information about an assembly is controlled through the following set of attributes.
00005 // Change these attribute values to modify the information associated with an assembly.
00006 [assembly: AssemblyTitle("RINA.RINew.IntegrationService.Client.Extensions")]
00007 [assembly: AssemblyDescription("Extensions for the .NET client for the RINew Integration service.")]
00008 [assembly: AssemblyConfiguration("")]
00009 [assembly: AssemblyCompany("RINA Services")]
00010 [assembly: AssemblyProduct("RINA.RINew.IntegrationService.Client.Extensions")]
00011 [assembly: AssemblyCopyright("Copyright © RINA Services")]
00012 [assembly: AssemblyTrademark("")]
00013 [assembly: AssemblyCulture("")]
00014
00015 // Setting ComVisible to false makes the types in this assembly not visible to COM components. If
00016 // you need to access a type in this assembly from COM, set the ComVisible attribute to true on that type.
00017 [assembly: ComVisible(false)]
00018
00019 // The following GUID is for the ID of the typelib if this project is exposed to COM
00020 [assembly: Guid("f3888e88-42c0-41fb-8edd-c74429a62907")]
00021
00022 // Version information for an assembly consists of the following four values:
00023 //
00024 // Major Version Minor Version Build Number Revision
00025 //
00026 // You can specify all the values or you can default the Build and Revision Numbers by using the '*'
00027 // as shown below: [assembly: AssemblyVersion("1.0.*")]
00028 [assembly: AssemblyVersion("1.0.20")]
00029 [assembly: AssemblyFileVersion("1.0.20")]

```

7.49 Requests/CreatePurchaseOrderRequest.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.Requests.CreatePurchaseOrderRequest](#)
Parameteri richiesti dal metodo CreatePurchaseOrder del servizio di integrazione.
- class [RINA.RINew.IntegrationService.Client.Requests.CreatePurchaseOrderNode](#)
Classe interna usata per preparare la request.
- class [RINA.RINew.IntegrationService.Client.Requests.CreatePurchaseOrderItem](#)
Classe interna usata per preparare la request.

Namespaces

- package [RINA.RINew.IntegrationService.Client.Requests](#)

7.50 CreatePurchaseOrderRequest.cs

```

00001 using RestSharp.Serializers;
00002 using System;
00003 using System.Collections.Generic;
00004 using System.Linq;
00005 using System.Text;
00006 using System.Xml.Serialization;
00007
00008 namespace RINA.RINew.IntegrationService.Client.Requests
00009 {
00010     [Serializable]
00011     [XmlRoot(ElementName = "Create")]
00012     [SerializeAs(Name = "Create")]
00013     public sealed class CreatePurchaseOrderRequest
00014     {
00015         public string Entity { get; set; }
00016     }
00017
00018     [Serializable]
00019     [XmlRoot(ElementName = "PurchaseOrder")]
00020     [SerializeAs(Name = "PurchaseOrder")]
00021     public sealed class CreatePurchaseOrderNode
00022     {
00023         [XmlAttribute(AttributeName = "Company")]
00024         [SerializeAs(Name = "Company")]
00025         public string Company { get; set; }
00026
00027         public IList<CreatePurchaseOrderItem> Value { get; set; }
00028     }
00029
00030     [Serializable]
00031     [XmlRoot(ElementName = "item")]
00032     [SerializeAs(Name = "item")]
00033     public sealed class CreatePurchaseOrderItem
00034     {
00035         [XmlAttribute(AttributeName = "Currency")]
00036         [SerializeAs(Name = "Currency")]
00037         public string Currency { get; set; }
00038     }
00039 }
00040

```

7.51 Requests/GetDataRequest.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.Requests.GetDataRequest](#)
Parameteri richiesti dal metodo GetData del servizio di integrazione.
- class [RINA.RINew.IntegrationService.Client.Requests.GetDataSearchFilters](#)
Classe interna usata per preparare il filtro.
- class [RINA.RINew.IntegrationService.Client.Requests.GetDataSearchFilter](#)
Classe interna usata per preparare il filtro.

Namespaces

- package [RINA.RINew.IntegrationService.Client.Requests](#)

7.52 GetDataRequest.cs

```

00001 using Newtonsoft.Json;
00002 using RestSharp.Serializers;
00003 using RINA.RINew.IntegrationService.Client.
    Parameters;
00004 using System;
00005 using System.Collections.Generic;
00006 using System.Xml.Serialization;
00007
00008 namespace RINA.RINew.IntegrationService.Client.Requests
00009 {
00010     [Serializable]
00011     [XmlRoot(ElementName = "GetData")]
00012     [SerializeAs(Name = "GetData")]
00013     public sealed class GetDataRequest
00014     {
00015         [XmlElement(ElementName = "inEntityName")]
00016         [SerializeAs(Name = "inEntityName")]
00017         public string EntityName { get; set; }
00018
00019         [XmlElement(ElementName = "inEntityAttributes")]
00020         [SerializeAs(Name = "inEntityAttributes")]
00021         public string EntityAttributes { get; set; }
00022
00023         [XmlElement(ElementName = "inUpdatedFilter")]
00024         [SerializeAs(Name = "inUpdatedFilter")]
00025         public string UpdatedFilter { get; set; }
00026     }
00027
00028     internal sealed class GetDataSearchFilters
00029     {
00030         [JsonProperty("filter")]
00031         public IEnumerable<GetDataSearchFilter> Filters { get; set; }
00032     }
00033
00034     internal sealed class GetDataSearchFilter
00035     {
00036         public static Dictionary<GetDataFilterOperator, string> FilterMappings = new
            Dictionary<GetDataFilterOperator, string>
00037         {
00038             {GetDataFilterOperator.Equal, "eq"},
00039             {GetDataFilterOperator.Greater, "gt"},
00040             {GetDataFilterOperator.GreaterEqual, "ge"},
00041             {GetDataFilterOperator.Less, "lt"},
00042             {GetDataFilterOperator.LessEqual, "le"},
00043             {GetDataFilterOperator.NotEqual, "ne"},
00044         };
00045
00046         [JsonProperty("Name")]
00047         public string Name { get; set; }
00048
00049         [JsonProperty("Operator")]
00050         public string Operator { get; set; }
00051
00052         [JsonProperty("Value")]
00053         public IEnumerable<object> Values {get; set;}
00054     }
00055 }
00056

```

7.53 Requests/SendDataRequest.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.Requests.SendDataRequest](#)

Parameteri richiesti dal metodo SendData del servizio di integrazione.

Namespaces

- package [RINA.RINew.IntegrationService.Client.Requests](#)

7.54 SendDataRequest.cs

```

00001 using RestSharp.Serializers;
00002 using System;
00003 using System.Xml.Serialization;
00004
00005 namespace RINA.RINew.IntegrationService.Client.Requests
00006 {
00010     [Serializable]
00011     [XmlRoot(ElementName = "SendData")]
00012     [SerializeAs(Name = "SendData")]
00013     public sealed class SendDataRequest
00014     {
00018         [XmlElement(ElementName = "updates")]
00019         [SerializeAs(Name = "updates")]
00020         public string Updates { get; set; }
00021     }
00022 }

```

7.55 Responses/AbstractSendDataResponse.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.Responses.AbstractSendDataResponse](#)
Classe astratta che contiene tutte le proprietà che devono essere condivise dalle risposte delle chiamate al servizio di integrazione che vanno in scrittura su Dynamics.
- class [RINA.RINew.IntegrationService.Client.Responses.SendDataOverallResult](#)
Classe interna usata per leggere la risposta.
- class [RINA.RINew.IntegrationService.Client.Responses.SendDataOverall](#)
Classe interna usata per leggere la risposta.

Namespaces

- package [RINA.RINew.IntegrationService.Client.Responses](#)

7.56 AbstractSendDataResponse.cs

```

00001 using RestSharp.Serializers;
00002 using System;
00003 using System.Xml.Serialization;
00004
00005 namespace RINA.RINew.IntegrationService.Client.Responses
00006 {
00011     [Serializable]
00012     public abstract class AbstractSendDataResponse
00013     {
00017         [XmlElement(ElementName = "Result")]
00018         [SerializeAs(Name = "Result")]
00019         public string Result { get; set; }
00020     }
00021
00025     public sealed class SendDataOverallResult
00026     {
00030         [XmlElement(ElementName = "Overall")]
00031         [SerializeAs(Name = "Overall")]
00032         public SendDataOverall Overall { get; set; }
00033     }
00034
00038     public sealed class SendDataOverall
00039     {
00043         [XmlAttribute(AttributeName = "Status")]

```

```

00044         [SerializeAs(Name = "Status")]
00045         public string Status { get; set; }
00046
00050         [XmlAttribute(AttributeName = "Message")]
00051         [SerializeAs(Name = "Message")]
00052         public string Message { get; set; }
00053
00057         public string Value { get; set; }
00058     }
00059 }

```

7.57 Responses/CreatePurchaseOrderResponse.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.Responses.CreatePurchaseOrderResponse](#)
La risposta al metodo CreatePurchaseOrder del servizio di integrazione.

Namespaces

- package [RINA.RINew.IntegrationService.Client.Responses](#)

7.58 CreatePurchaseOrderResponse.cs

```

00001 using System;
00002 using System.Runtime.Serialization;
00003
00004 namespace RINA.RINew.IntegrationService.Client.Responses
00005 {
00009     [Serializable, DataContract]
00010     public sealed class CreatePurchaseOrderResponse :
        AbstractSendDataResponse
00011     {
00012     }
00013 }

```

7.59 Responses/GetDataResponse.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.Responses.GetDataResponse](#)
La risposta al metodo GetData del servizio di integrazione.

Namespaces

- package [RINA.RINew.IntegrationService.Client.Responses](#)

7.60 GetDataResponse.cs

```

00001 using RestSharp.Serializers;
00002 using System;
00003 using System.Xml.Serialization;
00004
00005 namespace RINA.RINew.IntegrationService.Client.Responses
00006 {
00010     [Serializable]
00011     [XmlRoot(ElementName = "GetDataResponse")]
00012     [SerializeAs(Name = "GetDataResponse")]
00013     public sealed class GetDataResponse

```

```

00014      {
00018          [XmlElement(ElementName = "response")]
00019          [SerializeAs(Name = "response")]
00020          public string Response { get; set; }
00021      }
00022  }

```

7.61 Responses/SendDataResponse.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.Responses.SendDataResponse](#)
La risposta al metodo SendData del servizio di integrazione.

Namespaces

- package [RINA.RINew.IntegrationService.Client.Responses](#)

7.62 SendDataResponse.cs

```

00001 using RestSharp.Serializers;
00002 using RINA.RINew.IntegrationService.Client.
    Results;
00003 using System;
00004 using System.Xml.Serialization;
00005
00006 namespace RINA.RINew.IntegrationService.Client.Responses
00007 {
00011     [Serializable]
00012     [XmlRoot(ElementName = "SendDataResponse")]
00013     [SerializeAs(Name = "SendDataResponse")]
00014     public sealed class SendDataResponse :
        AbstractSendDataResponse
00015     {
00016     }
00017 }

```

7.63 Results/AbstractResult.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.Results.AbstractResult](#)
Classe astratta che contiene tutte le proprietà che devono essere condivise dai risultati delle chiamate al servizio di integrazione.

Namespaces

- package [RINA.RINew.IntegrationService.Client.Results](#)

7.64 AbstractResult.cs

```

00001 using RINA.RINew.IntegrationService.Client.Core;
00002 using System;
00003
00004 namespace RINA.RINew.IntegrationService.Client.Results
00005 {
00010     [Serializable]
00011     public abstract class AbstractResult : IRequestTracer
00012     {

```

```

00016         public string RawRequest { get; set; }
00017
00021         public string RawResponse { get; set; }
00022     }
00023 }

```

7.65 Results/AbstractSendDataResult.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.Results.AbstractSendDataResult< TItem >](#)
Classe astratta che contiene tutte le proprietà che devono essere condivise dai risultati delle chiamate al servizio di integrazione che vanno in scrittura su Dynamics.
- class [RINA.RINew.IntegrationService.Client.Results.AbstractSendDataItem](#)
Classe astratta che contiene tutte le proprietà che devono essere condivise dagli oggetti prodotti dal riassunto dell'operazione di scrittura.

Namespaces

- package [RINA.RINew.IntegrationService.Client.Results](#)

Enumerations

- enum [RINA.RINew.IntegrationService.Client.Results.SendDataStatus](#) : byte { [RINA.RINew.IntegrationService.Client.Results.SendDataStatus.None](#) = 0, [RINA.RINew.IntegrationService.Client.Results.SendDataStatus.Ko](#) = 1, [RINA.RINew.IntegrationService.Client.Results.SendDataStatus.Ok](#) = 2 }
Indica lo stato finale dell'operazione di scrittura.
- enum [RINA.RINew.IntegrationService.Client.Results.SendDataOperation](#) : byte { [RINA.RINew.IntegrationService.Client.Results.SendDataOperation.None](#) = 0, [RINA.RINew.IntegrationService.Client.Results.SendDataOperation.C](#) = 1, [RINA.RINew.IntegrationService.Client.Results.SendDataOperation.U](#) = 2 }
Indica il tipo di operazione di scrittura.

7.66 AbstractSendDataResult.cs

```

00001 using Newtonsoft.Json;
00002 using Newtonsoft.Json.Converters;
00003 using System;
00004 using System.Collections.Generic;
00005 using System.Runtime.Serialization;
00006
00007 namespace RINA.RINew.IntegrationService.Client.Results
00008 {
00013     [Serializable, DataContract]
00014     public abstract class AbstractSendDataResult<TItem> :
        AbstractResult
00015     where TItem : AbstractSendDataItem
00016     {
00021         [DataMember(Name = "overallStatus", Order = 0), JsonConverter(typeof(StringEnumConverter))]
00022         public SendDataStatus OverallStatus { get; set; }
00023
00028         [DataMember(Name = "overallMessage", Order = 1)]
00029         public string OverallMessage { get; set; }
00030
00034         [DataMember(Name = "items", Order = 2)]
00035         public IEnumerable<TItem> Items { get; set; }
00036     }
00037
00041     public enum SendDataStatus : byte
00042     {
00046         None = 0,
00047
00051         Ko = 1,
00052
00056         Ok = 2
00057     }

```

```

00057     }
00058
00062     public enum SendDataOperation : byte
00063     {
00064         None = 0,
00068
00072         C = 1,
00073
00077         U = 2
00078     }
00079
00084     [Serializable, DataContract]
00085     public abstract class AbstractSendDataItem
00086     {
00090         [DataMember(Name = "status", Order = 0), JsonConverter(typeof(StringEnumConverter))]
00091         public SendDataStatus Status { get; set; }
00092
00097         [DataMember(Name = "message", Order = 1)]
00098         public string Message { get; set; }
00099
00103         [DataMember(Name = "operation", Order = 2), JsonConverter(typeof(StringEnumConverter))]
00104         public SendDataOperation Operation { get; set; }
00105
00109         [DataMember(Name = "legacyId", Order = 3)]
00110         public string LegacyId { get; set; }
00111
00115         [DataMember(Name = "dynamicsId", Order = 4)]
00116         public string DynamicsId { get; set; }
00117     }
00118 }

```

7.67 Results/CreatePurchaseOrderResult.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.Results.CreatePurchaseOrderResult](#)
Il risultato restituito da [IIntegrationService.CreatePurchaseOrder](#).
- class [RINA.RINew.IntegrationService.Client.Results.CreatePurchaseOrderItem](#)
Rappresenta una riga contenuta nell'output del servizio di integrazione.

Namespaces

- package [RINA.RINew.IntegrationService.Client.Results](#)

7.68 CreatePurchaseOrderResult.cs

```

00001 using System;
00002 using System.Runtime.Serialization;
00003
00004 namespace RINA.RINew.IntegrationService.Client.Results
00005 {
00009     [Serializable, DataContract]
00010     public sealed class CreatePurchaseOrderResult :
00011         AbstractSendDataResult<CreatePurchaseOrderItem>
00012     {
00013
00017         [Serializable, DataContract]
00018         public sealed class CreatePurchaseOrderItem :
00019             AbstractSendDataItem
00020         {
00021 }

```

7.69 Results/GetDataResult.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.Results.GetDataRow](#)
Il risultato restituito da [IntegrationService.GetData](#). Le righe sono rappresentate come un dizionario.
- class [RINA.RINew.IntegrationService.Client.Results.GetDataRow< TItem >](#)
Il risultato restituito da [IntegrationService.GetData](#). Le righe sono rappresentate come oggetti fortemente tipati.

Namespaces

- package [RINA.RINew.IntegrationService.Client.Results](#)

7.70 GetDataRow.cs

```

00001 using Newtonsoft.Json;
00002 using System;
00003 using System.Collections.Generic;
00004
00005 namespace RINA.RINew.IntegrationService.Client.Results
00006 {
00011     [Serializable, JsonObject(MemberSerialization.OptIn)]
00012     public sealed class GetDataRow : AbstractResult
00013     {
00017         [JsonProperty("items")]
00018         public IEnumerable<IDictionary<string, string>> Items { get; set; }
00019     }
00020
00025     [Serializable, JsonObject(MemberSerialization.OptIn)]
00026     public sealed class GetDataRow<TItem> : AbstractResult
00027     where TItem : class
00028     {
00032         [JsonProperty("items")]
00033         public IEnumerable<TItem> Items { get; set; }
00034     }
00035 }

```

7.71 Results/SendDataRow.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.Results.SendDataRow](#)
Il risultato restituito da [IntegrationService.SendData](#).
- class [RINA.RINew.IntegrationService.Client.Results.SendDataRowItem](#)
Rappresenta una riga contenuta nell'output del servizio di integrazione.

Namespaces

- package [RINA.RINew.IntegrationService.Client.Results](#)

7.72 SendDataRow.cs

```

00001 using System;
00002 using System.Runtime.Serialization;
00003
00004 namespace RINA.RINew.IntegrationService.Client.Results
00005 {
00009     [Serializable, DataContract]
00010     public sealed class SendDataRow : AbstractSendDataRow<SendDat
00011     aItem>
00011     {
00012     }
00013 }

```

```

00017     [Serializable, DataContract]
00018     public sealed class SendDataItem : AbstractSendDataItem
00019     {
00020     }
00021 }

```

7.73 Results/SendPunchDataResult.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.Results.SendPunchDataResult](#)
Il risultato restituito da [IIntegrationService.SendPunchData](#).
- class [RINA.RINew.IntegrationService.Client.Results.SendPunchDataItem](#)
Rappresenta una riga contenuta nell'output del servizio di integrazione.

Namespaces

- package [RINA.RINew.IntegrationService.Client.Results](#)

7.74 SendPunchDataResult.cs

```

00001 using System;
00002 using System.Runtime.Serialization;
00003
00004 namespace RINA.RINew.IntegrationService.Client.Results
00005 {
00009     [Serializable, DataContract]
00010     public sealed class SendPunchDataResult :
00011         AbstractSendDataResult<SendPunchDataItem>
00012     {
00013
00017     [Serializable, DataContract]
00018     public sealed class SendPunchDataItem :
00019         AbstractSendDataItem
00020     {
00021 }

```

7.75 Results/SendTrayDataResult.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.Results.SendTrayDataResult](#)
Il risultato restituito da [IIntegrationService.SendTrayData](#).
- class [RINA.RINew.IntegrationService.Client.Results.SendTrayDataItem](#)
Rappresenta una riga contenuta nell'output del servizio di integrazione.

Namespaces

- package [RINA.RINew.IntegrationService.Client.Results](#)

7.76 SendTrayDataResult.cs

```

00001 using System;
00002 using System.Runtime.Serialization;
00003

```



```

00004 namespace RINA.RINew.IntegrationService.Client.Results
00005 {
00009     [Serializable, DataContract]
00010     public sealed class SendTrayDataResult :
        AbstractSendDataResult<SendTrayDataItem>
00011     {
00012     }
00013
00017     [Serializable, DataContract]
00018     public sealed class SendTrayDataItem : AbstractSendDataItem
00019     {
00020     }
00021 }

```

7.77 StandardIntegrationService.cs File Reference

Classes

- class [RINA.RINew.IntegrationService.Client.StandardIntegrationService](#)
Implementazione standard del client per l'Integration Service.

Namespaces

- package [RINA.RINew.IntegrationService.Client](#)

7.78 StandardIntegrationService.cs

```

00001 using Common.Logging;
00002 using Newtonsoft.Json;
00003 using RestSharp;
00004 using RINA.RINew.IntegrationService.Client.Core;
00005 using RINA.RINew.IntegrationService.Client.
    Exceptions;
00006 using RINA.RINew.IntegrationService.Client.
    Parameters;
00007 using RINA.RINew.IntegrationService.Client.
    Requests;
00008 using RINA.RINew.IntegrationService.Client.
    Responses;
00009 using RINA.RINew.IntegrationService.Client.
    Results;
00010 using System;
00011 using System.Collections.Generic;
00012 using System.Linq;
00013
00014 namespace RINA.RINew.IntegrationService.Client
00015 {
00019     public sealed class StandardIntegrationService :
        AbstractIntegrationService
00020     {
00021         private readonly ILog _log;
00022         private readonly string _serviceUrl;
00023
00031         public StandardIntegrationService(ILog log, string serviceUrl)
00032         {
00033             // Preconditions
00034             if (log == null)
00035             {
00036                 throw new ArgumentNullException("log", "Log cannot be null, please use
                    Common.Logging.LogManager to get a proper instance.");
00037             }
00038             if (String.IsNullOrEmpty(serviceUrl))
00039             {
00040                 throw new ArgumentException("Service URL cannot be null or empty.", "serviceUrl");
00041             }
00042
00043             _log = log;
00044             _serviceUrl = serviceUrl;
00045         }
00046
00050         public ILog Log
00051         {
00052             get { return _log; }
00053         }
00054     }
00055 }

```

```

00053     }
00054
00058     public string ServiceUrl
00059     {
00060         get { return _serviceUrl; }
00061     }
00062
00063     #region IIntegrationService members
00064
00068     protected override GetDataResult GetDataInternal(
00069         GetDataParameters p)
00070     {
00071         // Preparazione dei filtri.
00072         var filters = new GetDataSearchFilters
00073         {
00074             Filters = p.SearchFilters.Select(x => new Requests.GetDataSearchFilter
00075             {
00076                 Name = x.Name,
00077                 Operator = Requests.GetDataSearchFilter.FilterMappings[x.Operator],
00078                 Values = x.Values
00079             })
00080         };
00081
00082         // Preparazione del messaggio.
00083         var message = new GetDataRequest
00084         {
00085             EntityName = p.EntityName,
00086             EntityAttributes = String.Join(",", p.EntityAttributes.ToArray()),
00087             UpdatedFilter = JsonConvert.SerializeObject(filters)
00088         };
00089
00090         // Preparazione della request.
00091         var client = new RestClient(_serviceUrl);
00092         var request = new RestRequest(p.ServiceMethodName, Method.POST);
00093         request.AddXmlBody(message, p.RequestXmlSchema);
00094
00095         // Esecuzione e verifica della request.
00096         var response = client.Execute<GetDataResponse>(request);
00097         CheckResponse(request, response);
00098
00099         if(response.Data.Response == null)
00100         {
00101             throw new ServiceErrorException(response.Content, GetRequestBody(
00102                 request), response.Content);
00103         }
00104
00105         // Preparazione del risultato. Almeno l'output deve essere presente.
00106         var result = new GetDataResult
00107         {
00108             RawRequest = GetRequestBody(request),
00109             RawResponse = response.Content
00110         };
00111         try
00112         {
00113             result.Items = ExchangeFormatHandler.Deserialize(response.Data.Response, p.
00114                 EntityAttributes);
00115         }
00116         catch (Exception ex)
00117         {
00118             _log.Error("Response is missing or it does not match the exchange format.", ex);
00119         }
00120         return result;
00121     }
00122
00123     protected override GetDataResult<TItem> GetDataInternal<TItem>(
00124         GetDataParameters p)
00125     {
00126         // Preparazione del messaggio.
00127         var message = new GetDataRequest
00128         {
00129             EntityName = p.EntityName,
00130             EntityAttributes = String.Join(",", p.EntityAttributes.ToArray()),
00131             UpdatedFilter = null
00132         };
00133
00134         // Preparazione della request.
00135         var client = new RestClient(_serviceUrl);
00136         var request = new RestRequest(p.ServiceMethodName, Method.POST);
00137         request.AddXmlBody(message, p.RequestXmlSchema);
00138
00139         // Esecuzione e verifica della request.
00140         var response = client.Execute<GetDataResponse>(request);
00141         CheckResponse(request, response);
00142
00143         if (response.Data.Response == null)
00144         {
00145             throw new ServiceErrorException(response.Content, GetRequestBody(

```

```

        request), response.Content);
00145     }
00146
00147     // Preparazione del risultato. Almeno l'output deve essere presente.
00148     var result = new GetDataResult<TItem>
00149     {
00150         RawRequest = GetRequestBody(request),
00151         RawResponse = response.Content
00152     };
00153     try
00154     {
00155         result.Items = ExchangeFormatHandler.Deserialize<TItem>(response.Data.Response, p.
EntityAttributes);
00156     }
00157     catch (Exception ex)
00158     {
00159         _log.Error("Response is missing or it does not match the exchange format.", ex);
00160     }
00161     return result;
00162 }
00163
00164 protected override SendDataResult SendDataInternal(
SendDataParameters p)
00165 {
00166     // Preparazione del messaggio.
00167     var message = new SendDataRequest
00168     {
00169         Updates = ExchangeFormatHandler.Serialize(p.EntityName, p.Items).Message
00170     };
00171
00172     // Preparazione della request.
00173     var client = new RestClient(_serviceUrl);
00174     var request = new RestRequest(p.ServiceMethodName, Method.POST);
00175     request.AddXmlBody(message, p.RequestXmlSchema);
00176
00177     // Esecuzione e verifica della request.
00178     var response = client.Execute<SendDataResponse>(request);
00179     CheckResponse(request, response);
00180
00181     if (response.Data.Result == null)
00182     {
00183         throw new ServiceErrorException(response.Content, GetRequestBody(
request), response.Content);
00184     }
00185
00186     // Preparazione del risultato. Almeno l'output deve essere presente.
00187     return ExtractSendDataResult(request, response);
00188 }
00189
00190 protected override SendDataResult SendDataInternal<TItem>(
SendDataParameters<TItem> p)
00191 {
00192     // Preparazione del messaggio.
00193     var message = new SendDataRequest
00194     {
00195         Updates = ExchangeFormatHandler.Serialize<TItem>(p.EntityName, p.Items).Message
00196     };
00197
00198     // Preparazione della request.
00199     var client = new RestClient(_serviceUrl);
00200     var request = new RestRequest(p.ServiceMethodName, Method.POST);
00201     request.AddXmlBody(message, p.RequestXmlSchema);
00202
00203     // Esecuzione e verifica della request.
00204     var response = client.Execute<SendDataResponse>(request);
00205     CheckResponse(request, response);
00206
00207     if (response.Data.Result == null)
00208     {
00209         throw new ServiceErrorException(response.Content, GetRequestBody(
request), response.Content);
00210     }
00211
00212     // Preparazione del risultato. Almeno l'output deve essere presente.
00213     return ExtractSendDataResult(request, response);
00214 }
00215
00216 protected override CreatePurchaseOrderResult
CreatePurchaseOrderInternal(
CreatePurchaseOrderParameters p)
00217 {
00218     throw new NotImplementedException();
00219 }
00220
00221 protected override SendTrayDataResult
SendTrayDataInternal(SendTrayDataParameters p)
00222 {
00223
00224
00225
00226
00227
00228
00229
00230
00231
00232
00233
00234

```

```

00235         throw new NotImplementedException();
00236     }
00237
00241     protected override SendPunchDataResult
SendPunchDataInternal(SendPunchDataParameters p)
00242     {
00243         throw new NotImplementedException();
00244     }
00245
00246     #endregion IIntegrationService members
00247
00248     #region Private members
00249
00250     private static string[] ExpectedSendDataAttributes = { "idlegacy", "iddyn", "operation", "status",
"message" };
00251
00252     private SendDataResult ExtractSendDataResult(IRestRequest request,
IRestResponse<SendDataResponse> response)
00253     {
00254         // Preparazione del risultato. Almeno l'output deve essere presente.
00255         var result = new SendDataResult
00256         {
00257             RawRequest = GetRequestBody(request),
00258             RawResponse = response.Content
00259         };
00260         try
00261         {
00262             // Estraggo la parte utile della risposta.
00263             var data = response.Data.Result;
00264
00265             var rootAttributes = new Dictionary<string, string>();
00266
00267             // Elaboro le righe e le assegno.
00268             result.Items = ExchangeFormatHandler.Deserialize(data, ExpectedSendDataAttributes,
rootAttributes).Select(x => new SendDataItem
00269             {
00270                 LegacyId = x["idlegacy"],
00271                 DynamicsId = x["iddyn"],
00272                 Operation = (SendDataOperation) Enum.Parse(typeof(
SendDataOperation), x["operation"], true),
00273                 Status = (SendDataStatus) Enum.Parse(typeof(
SendDataStatus), x["status"], true),
00274                 Message = x.ContainsKey("message") ? x["message"] : String.Empty
00275             }).ToList();
00276
00277             // Assegno i risultati globali.
00278             result.OverallStatus = (SendDataStatus) Enum.Parse(typeof(
SendDataStatus), rootAttributes["status"], true);
00279             result.OverallMessage = rootAttributes["message"];
00280         }
00281         catch (Exception ex)
00282         {
00283             _log.Error("Response is missing or it does not match the exchange format.", ex);
00284         }
00285         return result;
00286     }
00287
00288     #endregion Private members
00289
00290     #region Error handling - Keep synced with StandardAdapterService
00291
00292     private static readonly HashSet<ResponseStatus> NotAvailableStatus = new HashSet<ResponseStatus>
00293     {
00294         ResponseStatus.Aborted, ResponseStatus.Error, ResponseStatus.TimedOut
00295     };
00296
00297     private static void CheckResponse<T>(IRestRequest request, IRestResponse<T> response)
00298     {
00299         // Controllo se il servizio ha risposto.
00300         if (NotAvailableStatus.Contains(response.ResponseStatus))
00301         {
00302             throw new ServiceErrorException(response.ErrorMessage, response.
ErrorException, GetRequestBody(request), response.Content);
00303         }
00304
00305         // L'oggetto deve essere stato correttamente serializzato.
00306         if (ReferenceEquals(response.Data, null))
00307         {
00308             throw new ServiceErrorException("Response could not be correctly
deserialized, which means we got an unexpected message.", GetRequestBody(request), response.Content);
00309         }
00310     }
00311
00312     private static string GetRequestBody(IRestRequest request)
00313     {
00314         return request.Parameters.Where(x => x.Type == ParameterType.RequestBody).Select(x => x.Value
as string).FirstOrDefault();

```

```
00325         }  
00326  
00327         #endregion Error handling - Keep synced with StandardAdapterService  
00328     }  
00329 }
```


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