

Microsoft Dynamics 2011 Connector



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Package DynamicsCRM2011 Procedural Elements

DynamicsCRM2011Connector.class.php

DynamicsCRM2011Connector.class.php

This file defines the DynamicsCRM2011Connector class that can be used to access the Microsoft Dynamics 2011 system through SOAP calls from PHP.

- **Package** DynamicsCRM2011
- **Author** Nick Price
- **Version** \$Revision: 1.1 \$

Package DynamicsCRM2011 Classes

Class DynamicsCRM2011Connector

[line 34]

This class creates and manages SOAP connections to a Microsoft Dynamics CRM 2011 server

Authentication requirements are all handled automatically - although only Federation security is current supported, and an Exception is generated if any other security method is detected on the server.

The goal of this class is to make it as simple as possible to use SOAP data fetched directly from the Dynamics CRM server, without having to manually generate long stretches of XML to be converted into SOAP calls.

Additionally, the returned data can be parsed in such a way that it can be used as simple PHP Objects, rather than complex XML to be parsed.

- **Package** DynamicsCRM2011

Constructor *DynamicsCRM2011Connector* function DynamicsCRM2011Connector::__construct(\$_discoveryURI, \$_organizationUniqueName, [\$_username = NULL], [\$_password = NULL], [\$_debug = FALSE]) [line 72]

Function Parameters:

- *string* **\$_discoveryURI** the URL of the DiscoveryService
- *string* **\$_organizationUniqueName** the Unique Name of the Organization to connect to
- *string* **\$_username** the Username to login with
- *string* **\$_password** the Password of the user
- *boolean* **\$_debug** display debug information when accessing the server - not recommended in Production!

Create a new instance of the DynamicsCRM2011Connector

This function is automatically called when a new instance is created. At a minimum, you must provide the URL of the DiscoveryService (which can be found on the Customizations / Developer Resources section of the Microsoft Dynamics CRM 2011 application), and the Unique Name of the Organization to connect to. Note that it is often possible to connect to multiple Organizations from a single Discovery Service, which is why this parameter is mandatory.

Optionally, you may supply the username & password to login to the server immediately.

string function DynamicsCRM2011Connector::getDiscoveryURI() [*line 150*]

Get the Discovery URL which is currently in use

- **Access** public

string function DynamicsCRM2011Connector::getOrganization() [*line 158*]

Get the Organization Unique Name which is currently in use

- **Access** public

string function DynamicsCRM2011Connector::getOrganizationURI() [*line 168*]

Get the Discovery URL which is currently in use

- **Throws** Exception if the Discovery Service security details have not been set, or the Organization Service URL cannot be found for the current Organization
- **Access** public

stdClass function DynamicsCRM2011Connector::retrieveMultiple(\$queryXML, [\$allPages = FALSE], [\$pagingCookie = NULL]) [*line 1153*]

Function Parameters:

- *string* **\$queryXML** the Fetch XML string (as generated by the Advanced Find tool on Microsoft Dynamics CRM 2011)
- *boolean* **\$allPages** indicates if the query should be resent until all possible data is retrieved
- *string* **\$pagingCookie** if multiple pages are returned, send the paging cookie to get pages 2 and onwards. Use NULL to get the first page. Ignored if \$allPages is specified.

Send a RetrieveMultiple request to the Dynamics CRM 2011 server and return the results as a structured Object

- **Access** public

string function DynamicsCRM2011Connector::retrieveMultipleRaw(\$queryXML, [\$pagingCookie = NULL]) [*line* 1132]

Function Parameters:

- *string* **\$queryXML** the Fetch XML string (as generated by the Advanced Find tool on Microsoft Dynamics CRM 2011)
- *string* **\$pagingCookie** if multiple pages are returned, send the paging cookie to get pages 2 and onwards. Use NULL to get the first page

Send a RetrieveMultiple request to the Dynamics CRM 2011 server and return the results as raw XML

This is particularly useful when debugging the responses from the server

- **Access** public

boolean function DynamicsCRM2011Connector::setDiscoveryFederationSecurity(\$_username, \$_password) [*line* 128]

Function Parameters:

- *string* **\$_username** the Username to login with

- *string* **\$_password** the Password of the user

Set the Federation Security Details for the Discovery Service

If the constructor was called without the username and password, you must call this function to login to the server. Otherwise, all future calls to functions to retrieve data will fail.

Note that the current implementation assumes that only one login and password is required for both the Discovery and Organization services.

Once the login details are provided, the system will connect to the Discovery service and find the URL for the Organization Service for the Organization specified in the constructor.

- **Throws** Exception if the username or password is missing, or if the system does not use Federation security
- **Access** public

Appendices

Appendix A - Class Trees

Package DynamicsCRM2011

DynamicsCRM2011Connector

- [DynamicsCRM2011Connector](#)

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