

Arena Web Service API

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Chapter 1

Class Documentation

1.1 CoreRpc Class Reference

Provides the core functionality of the web service. Other classes exist which provide the actual front-end to different RPC providers. Class methods provide anonymous functionality, such as checking the API version. Instance methods provide authenticated functionality, such as searching for people. In communicating with the RPC service, a few rules are followed. The standard retrieval and update rules for structures here infers that on retrieval, only fields that are valid and the person has access to are filled in, the others are not included to save bandwidth. During updates or record creation, only those fields that are supplied (not null) are updated. Any Enum, as of this version, are treated as integers so client libraries should provide local enums or other provisions to ensure the user knows what the value stands for.

1.1.1 Constructor & Destructor Documentation

1.1.1.1 CoreRpc (RpcCredentials *credentials*)

Creates an instance of the `WebService.Core` class with the given login credentials. If the credentials are invalid then an exception is raised.

Parameters:

credentials Provides the login credentials needed to authenticate the user.

1.1.2 Member Function Documentation

1.1.2.1 `static int DefaultOrganizationID () [static]`

Retrieve the default organization ID for this web service. This is retrieved via the "Organization" application setting in the `web.config` file.

Returns:

An integer indicating the organization ID.

1.1.2.2 `int [] FindPeople (RpcPeopleQuery query)`

Queries the database to find all matching personIDs, which are returned as an integer array. Only a single type of search is performed in order of precedence by: Name and birthdate; name; phone; email; birthdate; area; profiles.

Parameters:

query Provides the filter to use when searching for people.

Returns:

Integer array containing Person ID numbers that match the query.

1.1.2.3 RpcPersonContactInformation GetPersonContactInformation (int *personID*)

Retrieves the contact information associated with the *personID*. Only information that the user has permission to is retrieved.

Parameters:

personID The ID number of the person to get the contact information of.

Returns:

Dictionary containing personal information or PersonID key = -1 when not found.

1.1.2.4 RpcPersonInformation GetPersonInformation (int *personID*)

Retrieves basic information about the given *personID*. The PersonInfo structure is filled as much as allowed by the users security level.

Parameters:

personID The ID number of the person to get the basic personal information of.

Returns:

Dictionary containing personal information or PersonID key = -1 when not found.

TODO: Calculate the grade for storage.

1.1.2.5 RpcProfileList GetPersonProfiles (int *personID*)

Retrieves all the ministry and serving profiles that this person is an active member of. Ministry profiles are returned in the "ministry" key and serving profiles are returned in the "serving" key.

Parameters:

personID The person we are interested in loading profiles for.

Returns:

Returns a dictionary of keys that point to integer arrays.

1.1.2.6 int [] GetProfileChildren (int *profileID*)

Retrieve all the ID numbers of the profiles directly beneath this profile.

Parameters:

profileID The ID number of the profile in question.

Returns:

Integer array of the child profile ID numbers.

1.1.2.7 RpcProfileDetails GetProfileDetails (int *profileID*)

Retrieve detailed information about a profile. If the profile is not found, or no access is permitted to the profile, then -1 is returned in the ProfileID member.

Parameters:

profileID The ID number of the profile to look up.

Returns:

Detailed profile information.

1.1.2.8 RpcProfileInformation GetProfileInformation (int *profileID*)

Retrieve the basic information about a profile. If the profile is not found, or no access is permitted to the profile, then -1 is returned in the ProfileID member.

Parameters:

profileID The ID number of the profile to look up.

Returns:

Basic profile information.

1.1.2.9 int [] GetProfileMembers (int *profileID*)

Get the people ID numbers of all members of this profile.

Parameters:

profileID Profile to retrieve member list from.

Returns:

Integer array of people IDs.

1.1.2.10 int [] GetProfileOccurrences (int *profileID*)

Get a list of all occurrence IDs for a profile.

Parameters:

profileID The profile to list occurrences of.

Returns:

Integer array of occurrence IDs.

1.1.2.11 `int [] GetProfileRoots (int profileType)`

Retrieves the profile ID numbers of all root level profiles of the given profile type.

Parameters:

profileType The integer value of the profile type.

Returns:

Integer array of the root profiles.

1.1.2.12 `int [] GetSmallGroupCategories ()`

Retrieve a list of all group categories in the system. If, by chance, no categories exist then an empty array is returned.

Returns:

Integer array of group categoryIDs.

1.1.2.13 `RpcSmallGroupCategoryDetails GetSmallGroupCategoryDetails (int categoryID)`

Retrieve more detailed information about a small group category. Only detailed information is returned, no basic information. If the category is not found then -1 is returned in the categoryID member.

Parameters:

categoryID The category to get details on.

Returns:

Detailed information about a group category.

1.1.2.14 `RpcSmallGroupCategoryInformation GetSmallGroupCategoryInformation (int categoryID)`

Retrieve the basic information about a small group category. To find more detailed information about the group category you can call the GetSmallGroupCategoryDetails method. If the given category is not found then -1 is returned in the categoryID member.

Parameters:

categoryID The category to find basic information about.

Returns:

Basic information about a group category.

1.1.2.15 `RpcSmallGroupClusterDetails GetSmallGroupClusterDetails (int clusterID)`

Retrieve more detailed information about a group cluster. This does not include basic information. If the group cluster is not found then -1 is returned in the clusterID member.

Parameters:

clusterID The cluster to retrieve details about.

Returns:

Detailed information about the group cluster.

1.1.2.16 RpcSmallGroupClusterInformation GetSmallGroupClusterInformation (int *clusterID*)

Retrieve the basic information about a group cluster. More detailed information can be retrieved via the GetSmallGroupClusterDetails. If the group cluster is not found then -1 is returned in the clusterID member.

Parameters:

clusterID The cluster to retrieve information about.

Returns:

Basic information about the group cluster.

1.1.2.17 int [] GetSmallGroupClusters (int *clusterID*)

Retrieve a list of small group clusters that reside underneath the parent cluster ID. If there are no group clusters beneath the parent then an empty array is returned. If this happens the client should make a call to GetSmallGroups to check for any small groups under the cluster.

Parameters:

clusterID The parent clusterID to find clusters under.

Returns:

An integer array of group clusters.

1.1.2.18 RpcSmallGroupDetails GetSmallGroupDetails (int *groupID*)

Retrieves more detailed information about the small group. Any information that is returned in the basic information is not returned in the details. If the small group is not found then -1 is returned in the groupID member.

Parameters:

groupID The small group to retrieve details about.

Returns:

Detailed information about the small group.

1.1.2.19 RpcSmallGroupInformation GetSmallGroupInformation (int *groupID*)

Retrieves basic information about the small group. More detailed information can be retrieved via the GetSmallGroupDetails method. If the small group is not found then -1 is returned in the groupID member.

Parameters:

groupID The small group to retrieve information about.

Returns:

Basic information about the small group.

1.1.2.20 `int [] GetSmallGroupMembers (int groupID)`

Find all people who are members of the small group and return their person IDs. All members are returned including in-active members. If the small group has no members then an empty array is returned.

Parameters:

groupID The small group to find members of.

Returns:

Integer array of personIDs.

1.1.2.21 `int [] GetSmallGroupOccurrences (int groupID)`

Find all occurrences of the given small group. If the small group currently has no occurrences then an empty array is returned.

Parameters:

groupID The small group whose occurrences we are interested in.

Returns:

Integer array of occurrenceIDs.

1.1.2.22 `int [] GetSmallGroupRootClusters (int categoryID)`

Retrieve a list of all group clusters at the root level of the group category. If no group clusters are contained in the category then an empty array is returned.

Parameters:

categoryID The parent category to find all root clusters of.

Returns:

Integer array of clusterIDs.

1.1.2.23 `int [] GetSmallGroups (int clusterID)`

Retrieve a list of small groups which reside under the parent group cluster. If no small groups are found then an empty array is returned.

Parameters:

clusterID The parent cluster to find small groups under.

Returns:

An integer array of small groups under the parent cluster.

1.1.2.24 static bool IsClientVersionSupported (int *major*, int *minor*) [static]

Checks if the given client version is compatible with the server.

Parameters:

major Client's major version number.

minor Client's minor version number.

Returns:

True if it is safe for the client to communicate with the server, false otherwise.

1.1.2.25 static RpcVersion Version () [static]

Returns the version of the Arena Web Service API protocol supported by the server. Currently this is 0.1.

Returns:

API Version

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

- C:/Documents and Settings/daniel/My Documents/Visual Studio 2008/Projects/Arena.Custom.HDC.WebService/CoreRpc.cs

1.2 JsonConverter Class Reference

This class provides the ability to encode and decode objects for use by the [CoreRpc](#) class. We do this as the current JSON- RPC library does not perfectly honor capitalization. If a struct has a member named "UserName" then it gets sent as "userName" which could confuse case-sensitive clients. The library also currently does not support nullable primitives, though that is on their list of things to be fixed for the next version.

1.2.1 Member Function Documentation

1.2.1.1 static Object DecodeObject (Object *value*, Type *valueType*) [static]

Decode the object into the value type specified. This method should be called only when the target value type (such as a structure or class) is known, otherwise you basically get back the same object you passed.

Parameters:

- value* The object to decode into its native format.
- valueType* The Type of the object, specifies what that native format is.

Returns:

Hopefully a new object that is in the native format.

1.2.1.2 static Object EncodeObject (Object *value*) [static]

Encode the given generic object into its encoded format. For many objects (ints, strings, etc.) the original object is simply returned. Collections are traversed to make sure all child objects are properly encoded to preserve case names.

Parameters:

- value* The object to be encoded.

Returns:

A possibly new object which should contain the same information.

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

- C:/Documents and Settings/daniel/My Documents/Visual Studio 2008/Projects/Arena.Custom.HDC.WebService/JsonRpc.cs

1.3 JsonRpc Class Reference

1.3.1 Member Function Documentation

1.3.1.1 **int [] FindPeople (IDictionary *credentials*, IDictionary *query*)**

1.3.1.2 **IDictionary GetPersonContactInformation (IDictionary *credentials*, int *personID*)**

1.3.1.3 **IDictionary GetPersonInformation (IDictionary *credentials*, int *personID*)**

1.3.1.4 **IDictionary GetPersonProfiles (IDictionary *credentials*, int *personID*)**

1.3.1.5 **bool IsClientVersionSupported (int *major*, int *minor*)**

1.3.1.6 **IDictionary Version ()**

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

- C:/Documents and Settings/daniel/My Documents/Visual Studio 2008/Projects/Arena.Custom.HDC.WebService/JsonRpc.cs

1.4 RpcAddress Struct Reference

Defines the information needed to specify a single mailing address. When retrieving all available fields are filled in. When updating an existing address only non-null fields are updated. When adding a new address only non-null fields are used.

1.4.1 Member Data Documentation

1.4.1.1 int AreaID

1.4.1.2 string City

1.4.1.3 int ID

1.4.1.4 double Latitude

1.4.1.5 double Longitude

1.4.1.6 string Notes

1.4.1.7 string PostalCode

1.4.1.8 bool Primary

1.4.1.9 string State

1.4.1.10 string StreetLine1

1.4.1.11 string StreetLine2

1.4.1.12 string Type

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

- C:/Documents and Settings/daniel/My Documents/Visual Studio 2008/Projects/Arena.Custom.HDC.WebService/CoreRpc.cs

1.5 RpcCredentials Struct Reference

Provides the authentication credentials required to call any of the instance methods. Currently the only authentication scheme supported in this version is username/password authentication. Later versions will support a single login and then use a session key to continue working in that session.

1.5.1 Member Data Documentation

1.5.1.1 string Password

Password associated with the login id.

1.5.1.2 string UserName

The login id (username) to use for authenticating this session.

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

- C:/Documents and Settings/daniel/My Documents/Visual Studio 2008/Projects/Arena.Custom.HDC.WebService/CoreRpc.cs

1.6 RpcEmail Struct Reference

Defines an e-mail address in the system. When retrieving an e-mail address all available fields are filled in. When updating an address only non-null fields are updated and only non-null fields are used when creating a new e-mail address.

1.6.1 Member Data Documentation

1.6.1.1 bool Active

1.6.1.2 string Email

1.6.1.3 int ID

1.6.1.4 string Notes

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

- C:/Documents and Settings/daniel/My Documents/Visual Studio 2008/Projects/Arena.Custom.HDC.WebService/CoreRpc.cs

1.7 RpcLookup Struct Reference

Identifies an Arena lookup value. Not all details are specified in this structure, only those which are needed to quickly get the value (as a string) and then be able to get more information, if required, via the RpcLookupDetails structure. This structure is currently read-only.

1.7.1 Member Data Documentation

1.7.1.1 int LookupID

The unique ID number of this lookup value.

1.7.1.2 int TypeID

The category of this lookup, which can be used to retrieve all other values.

1.7.1.3 string Value

The textual value of this lookup.

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

- C:/Documents and Settings/daniel/My Documents/Visual Studio 2008/Projects/Arena.Custom.HDC.WebService/CoreRpc.cs

1.8 RpcPeopleQuery Struct Reference

The information used in querying the database to find people records. Not all fields are used in a query, to see which fields are used and the order of the search see the FindPeople method.

1.8.1 Member Data Documentation

1.8.1.1 int AreaID

1.8.1.2 DateTime BirthDate

1.8.1.3 string Email

1.8.1.4 string FirstName

1.8.1.5 string LastName

1.8.1.6 string Phone

1.8.1.7 bool Staff

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

- C:/Documents and Settings/daniel/My Documents/Visual Studio 2008/Projects/Arena.Custom.HDC.WebService/CoreRpc.cs

1.9 RpcPersonContactInformation Struct Reference

Identifies the contact information for a person. Each person can have zero, one or multiple postal addresses, e-mails and phone numbers. If access is denied to a specific type of contact information then that field may be completely unlisted.

1.9.1 Member Data Documentation

1.9.1.1 RpcAddress [] Addresses

1.9.1.2 RpcEmail [] Emails

1.9.1.3 int PersonID

1.9.1.4 RpcPhone [] Phones

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

- C:/Documents and Settings/daniel/My Documents/Visual Studio 2008/Projects/Arena.Custom.HDC.WebService/CoreRpc.cs

1.10 RpcPersonDetails Struct Reference

This structure provides more detailed information about a person in the database. This is generally information that is used less often and thus a waste of bandwidth to send it everytime. This structure follows the standard RPC retrieval and update rules.

1.10.1 Member Data Documentation

1.10.1.1 int ActiveMeter

This value determines how active this person is.

1.10.1.2 DateTime Anniversary

The anniversary date of this person, it is possible for this field to be set even if the person is not "married".

1.10.1.3 bool ContributeIndividually

Flag specifying if this person contributes individually or as a family unit.

1.10.1.4 string CreatedBy

The name of the person who created this person record.

1.10.1.5 DateTime DateCreated

The date this person record was created.

1.10.1.6 DateTime DateModified

The date this person record was last modified.

1.10.1.7 int EnvelopeNumber

The envelope # of the person, if available.

1.10.1.8 string ImageUrl

The URL to be used to retrieve the person's image.

1.10.1.9 string InactiveReason

The reason this person's record has been marked as inactive, assuming it is marked inactive.

1.10.1.10 DateTime LastAttended

The date this person last attended some activity at the church.

1.10.1.11 DateTime LastVerified

The date this person record was last verified.

1.10.1.12 RpcLookup MaritalStatus

The state of the person, married, single, etc.

1.10.1.13 string MedicalInformation

Any medical information associated with the person.

1.10.1.14 string Modifiedby

The name of the person who last modified this person record.

1.10.1.15 string NagivationUrl

The URL to be used if this person is to be viewed in a web browser.

1.10.1.16 int PersonID

The ID number of the person this detail information refers to.

1.10.1.17 bool PrintStatement

Flag specifying if this person is to be included when printing giving statements.

1.10.1.18 int SpouseID

If the person is married this contains the ID number of the person's spouse.

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

- C:/Documents and Settings/daniel/My Documents/Visual Studio 2008/Projects/Arena.Custom.HDC.WebService/CoreRpc.cs

1.11 RpcPersonInformation Struct Reference

Retrieve the basic information about a person. This structure follows the standard RPC retrieval and update rules.

1.11.1 Member Data Documentation

1.11.1.1 int Age

The persons age if available.

1.11.1.2 DateTime BirthDate

The person's date of birth.

1.11.1.3 int CampusID

The ID number of the campus this person is considered to be directly a part of.

1.11.1.4 int FamilyID

The Family ID number this person belongs to.

1.11.1.5 string FirstName

The person's First Name.

1.11.1.6 string Gender

The gender of this person as a string representation.

1.11.1.7 int Grade

The person's grade, if applicable.

1.11.1.8 string LastName

The person's Last name.

1.11.1.9 RpcLookup MemberStatus

The member status.

1.11.1.10 string MiddleName

The person's Middle name.

1.11.1.11 string NickName

The person's Nick Name.

1.11.1.12 int PersonID

The person ID this information is for.

1.11.1.13 string RecordStatus

The record status, Pending, Active, etc.

1.11.1.14 bool Staff

Boolean flag indicating if this person is a staff member.

1.11.1.15 string Suffix

The suffix of the person (II, III, Jr., etc.).

1.11.1.16 string Title

The title of the person (Mr., Mrs., etc.).

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

- C:/Documents and Settings/daniel/My Documents/Visual Studio 2008/Projects/Arena.Custom.HDC.WebService/CoreRpc.cs

1.12 RpcPhone Struct Reference

Specifies the information needed to communicate a single phone number over RPC. On retrieval all available fields are filled in. When updating or creating a new phone number entry only non-null fields are used. Since no ID number is tied to phone number entries the Type must be set correctly to identify which phone they are adding or updating.

1.12.1 Member Data Documentation

1.12.1.1 **string** Ext

1.12.1.2 **string** Number

1.12.1.3 **bool** Sms

1.12.1.4 **string** Type

1.12.1.5 **bool** Unlisted

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

- C:/Documents and Settings/daniel/My Documents/Visual Studio 2008/Projects/Arena.Custom.HDC.WebService/CoreRpc.cs

1.13 RpcProfileDetails Struct Reference

This structure contains the details about a profile, not including those already specified in [RpcProfileInformation](#). This structure follows the standard RPC retrieval and updating rules.

1.13.1 Member Data Documentation

1.13.1.1 int ActiveCount

The number of active members of this profile and all descendents.

1.13.1.2 int CreatedBy

The person login that created this profile.

1.13.1.3 int CriticalCount

The number of critical members of this profile and all descendents.

1.13.1.4 DateTime DateCreated

The date and time this profile as initially created.

1.13.1.5 DateTime DateModified

The date and time that this profile was last modified.

1.13.1.6 int ModifiedBy

The person login who last modified this profile.

1.13.1.7 string NavigationUrl

The URL that can be used to view this profile in the Arena portal.

1.13.1.8 int NoContactCount

The number of members who have not yet been contacted for this profile and all descendents.

1.13.1.9 string Owner

The person login that owns this profile.

1.13.1.10 int OwnerRelationshipStrength

The strength of the relationship between the owner and members of this profile.

1.13.1.11 int PeerRelationshipStrength

The strength of the relationship between members of this profile.

1.13.1.12 int PendingCount

The number of pending members of this profile and all descendents.

1.13.1.13 int ProfileID

The profile ID this detail record is referencing.

1.13.1.14 int ReviewCount

The number of members in review for this profile and all descendents.

1.13.1.15 int TotalCount

The total number of members of this profile and all descendents.

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

- C:/Documents and Settings/daniel/My Documents/Visual Studio 2008/Projects/Arena.Custom.HDC.WebService/CoreRpc.cs

1.14 RpcProfileInformation Struct Reference

This structure contains the basic information about a profile. This structure follows the standard RPC retrieval and updating rules.

1.14.1 Member Data Documentation

1.14.1.1 bool Active

Specifies whether or not this profile is currently marked as being active.

1.14.1.2 int CampusID

The Campus ID this profile is associated with.

1.14.1.3 string Name

The name of this profile.

1.14.1.4 string Notes

User entered notes about this profile.

1.14.1.5 int ParentID

The parent profile ID or -1 if this is a root profile. Note: Is that correct? Need to check on that.

1.14.1.6 int ProfileActiveCount

The number of active members of this profile, not including child profiles.

1.14.1.7 int ProfileID

Profile ID this information is referencing.

1.14.1.8 int ProfileMemberCount

The total number of members of this profile, not including child profiles.

1.14.1.9 string Type

The string representation of the ProfileType enum identifying if this is a Personal, Ministry, Serving or Event tag.

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

- C:/Documents and Settings/daniel/My Documents/Visual Studio 2008/Projects/Arena.Custom.HDC.WebService/CoreRpc.cs

1.15 RpcProfileList Struct Reference

Collection of profile IDs of the different profile types. Generally this would be used when retrieving the profiles of a person, but I suppose it could be used elsewhere too.

1.15.1 Member Data Documentation

1.15.1.1 `int [] Event`

Integer array of event profile IDs. TODO: Need to support event profiles. How is security handled in this case?

1.15.1.2 `int [] Ministry`

Integer array of ministry profile IDs.

1.15.1.3 `int [] Serving`

Integer array of serving profile IDs.

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

- C:/Documents and Settings/daniel/My Documents/Visual Studio 2008/Projects/Arena.Custom.HDC.WebService/CoreRpc.cs

1.16 RpcSmallGroupCategoryDetails Struct Reference

This structure provides more detailed information about a small group category. It does not contain any information from the [RpcSmallGroupCategoryInformation](#) structure.

1.16.1 Member Data Documentation

1.16.1.1 string AgeGroupCaption

The caption to be used with the PrimaryAge member of the [RpcSmallGroupDetails](#) structure.

1.16.1.2 int CategoryID

The category ID that this detailed information applies to.

1.16.1.3 string DescriptionCaption

The caption to be used with the Description member of the [RpcSmallGroupDetails](#) structure.

1.16.1.4 string LeaderCaption

The caption to be used with the LeaderID member of the [RpcSmallGroupDetails](#) structure.

1.16.1.5 string LocationTargetCaption

The caption to be used with the TargetLocationID member of the [RpcSmallGroupDetails](#) structure.

1.16.1.6 string MaritalPreferenceCaption

The caption to be used with the PrimaryMaritalStatus member of the [RpcSmallGroupDetails](#) structure.

1.16.1.7 string MaximumMembersCaption

The caption to be used with the MaximumMembers member of the [RpcSmallGroupDetails](#) structure.

1.16.1.8 string MeetingDayCaption

The caption to be used with the MeetingDay member of the [RpcSmallGroupDetails](#) structure.

1.16.1.9 string NameCaption

The caption to be used with the Name member of the [RpcSmallGroupInformation](#) structure.

1.16.1.10 string NotesCaption

The caption to be used with the Notes member of the [RpcSmallGroupInformation](#) structure.

1.16.1.11 string ParentCaption

The caption to be used with the ParentID member of the [RpcSmallGroupInformation](#) structure.

1.16.1.12 string PictureCaption

The caption to be used with the PictureUrl member of the [RpcSmallGroupDetails](#) structure.

1.16.1.13 string ScheduleCaption

The caption to be used with the Schedule member of the [RpcSmallGroupInformation](#) structure.

1.16.1.14 string TopicCaption

The caption to be used with the Topic member of the [RpcSmallGroupDetails](#) structure.

1.16.1.15 string TypeCaption

The caption to be used with the TypeID member of the [RpcSmallGroupInformation](#) structure.

1.16.1.16 string UrlCaption

The caption to be used with the Url member of the [RpcSmallGroupDetails](#) structure.

1.16.1.17 RpcLookup [] ValidRoles

An array of RpcLookups which list the valid roles members are allowed to take on for small groups of this category type.

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

- C:/Documents and Settings/daniel/My Documents/Visual Studio 2008/Projects/Arena.Custom.HDC.WebService/CoreRpc.cs

1.17 RpcSmallGroupCategoryInformation Struct Reference

Retrieve the basic information about a group category. This structure follows the standard RPC retrieval and update rules.

1.17.1 Member Data Documentation

1.17.1.1 bool AllowBulkUpdate

Flag to indicate if this category allows bulk update operations to be performed on the members of any small groups of this type of category. I think.

1.17.1.2 bool AllowRegistrations

Flag to indicate if this group category allows registrations. I really don't remember what group registrations are for and would love to update this documentation.

1.17.1.3 int CategoryID

The unique ID number that identifies this group category.

1.17.1.4 bool CreditAsSmallGroup

Whether membership in any small group of this category type should count as small group membership. For example, a team group probably does not count as a small group.

1.17.1.5 RpcLookup DefaultRole

The default role of new members in small groups of this type of category.

1.17.1.6 bool HistoryIsPrivate

Whether or not the history of this category type is private. I would assume this is a person's history in the group. I am guessing, that this keeps the history private from fellow group members but not the leader, but I may be wrong.

1.17.1.7 string Name

The name of this group category.

1.17.1.8 bool UsesArea

Flag indicating if small groups of this category type should be assigned to a specific area.

1.17.1.9 bool UseUniformNumber

Allow, Assign, or some such, uniform number. Generally this flag would only be used if this group category has to do with teams.

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

- C:/Documents and Settings/daniel/My Documents/Visual Studio 2008/Projects/Arena.Custom.HDC.WebService/CoreRpc.cs

1.18 RpcSmallGroupClusterDetails Struct Reference

Contains detailed information about a group cluster. This structure conforms to the standard RPC retrieval and update rules.

1.18.1 Member Data Documentation

1.18.1.1 int AdminID

The ID of the person who is the administrator of this group cluster.

1.18.1.2 int AreaID

The Area ID that this group cluster belongs to.

1.18.1.3 int ClusterID

The cluster ID that this detail record provides information about.

1.18.1.4 string CreatedBy

The name of the person who created this small group cluster.

1.18.1.5 DateTime DateCreated

The date this group cluster was created on.

1.18.1.6 DateTime DateModified

The date this group cluster was last modified on.

1.18.1.7 string ImageUrl

The URL that can be used to retrieve the group cluster's image.

1.18.1.8 int LeaderID

The ID of the person who is considered the leader of this group cluster.

1.18.1.9 string ModifiedBy

The name of the last person to have modified this small group cluster.

1.18.1.10 string NavigationUrl

The URL that can be used to navigate to this group cluster in a web browser.

1.18.1.11 string Url

The URL for this group cluster. This is not the same as the `NavigationUrl`. This is more like a groups website that might be outside the Arena system.

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

- `C:/Documents and Settings/daniel/My Documents/Visual Studio 2008/Projects/Arena.Custom.HDC.WebService/CoreRpc.cs`

1.19 RpcSmallGroupClusterInformation Struct Reference

Contains the basic information about a group cluster. This structure follows the standard RPC retrieval and update rules.

1.19.1 Member Data Documentation

1.19.1.1 bool Active

Flag which indicates whether or not this group cluster is active.

1.19.1.2 int CategoryID

The group category ID of this cluster.

1.19.1.3 int ClusterID

The Group Cluster ID that this information pertains to.

1.19.1.4 string Description

Description of this group cluster.

1.19.1.5 int LevelID

Retrieve the LevelID of this group cluster. TODO: What is this?

1.19.1.6 int MemberCount

The number of members in this group cluster and its descendents. This property is read-only.

1.19.1.7 string Name

The name of this cluster.

1.19.1.8 string Notes

Notes that relate to this group cluster.

1.19.1.9 int ParentID

The parent cluster ID of this cluster.

1.19.1.10 int RegistrationCount

The number of pending registrations in this group cluster and its descendents. This property is read-only.

1.19.1.11 int TypeID

Retrieve the TypeID of this group cluster. TODO: What is this?

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

- C:/Documents and Settings/daniel/My Documents/Visual Studio 2008/Projects/Arena.Custom.HDC.WebService/CoreRpc.cs

1.20 RpcSmallGroupDetails Struct Reference

Contains the more detailed information about a small group. This structure conforms to the standard RPC retrieval and update rules.

1.20.1 Member Data Documentation

1.20.1.1 int AreaID

The ID number of the area that this small group resides in.

1.20.1.2 double AverageAge

The average age of the members of this small group.

1.20.1.3 string CreatedBy

The name of the person that created this small group.

1.20.1.4 DateTime DateCreated

The date that this small group was created on.

1.20.1.5 DateTime DateModified

The date on which this small group was last modified on.

1.20.1.6 decimal Distance

The average distance from the Target Location of the members of this small group.

1.20.1.7 int GroupID

The ID number of the small group that this structure is providing detailed information about.

1.20.1.8 int LeaderID

The person who is considered the leader of this small group.

1.20.1.9 int MaximumMembers

The maximum number of members that should be allowed in this small group.

1.20.1.10 RpcLookup MeetingDay

The lookup record which identifies the day(s) of the week that this small group meets on.

1.20.1.11 string ModifiedBy

The name of the last person to have modified this small group.

1.20.1.12 string NavigationUrl

The URL to be used for navigating to this small group in a web browser.

1.20.1.13 string PictureUrl

The URL that can be used to retrieve the picture for this small group, if there is one.

1.20.1.14 RpcLookup PrimaryAge

The lookup record which identifies the primary age range of this small group.

1.20.1.15 RpcLookup PrimaryMaritalStatus

The lookup record which identifies the suggested marital status of this small group.

1.20.1.16 int TargetLocationID

The ID number of the address record that identifies the location at which this small group meets at.

1.20.1.17 RpcLookup Topic

The lookup record which identifies the topic of discussion for this small group.

1.20.1.18 string Url

The small groups custom website URL. This is not the same as the NavigationUrl.

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

- C:/Documents and Settings/daniel/My Documents/Visual Studio 2008/Projects/Arena.Custom.HDC.WebService/CoreRpc.cs

1.21 RpcSmallGroupInformation Struct Reference

Contains the general information about a small group. This structure conforms to the standard RPC retrieval and update rules.

1.21.1 Member Data Documentation

1.21.1.1 bool Active

Flag specifying whether or not this small group is to be considered active.

1.21.1.2 int CategoryID

The group category ID of this small group.

1.21.1.3 int ClusterID

The ID number of the parent cluster of this small group.

1.21.1.4 string Description

The description that has been associated with this small group.

1.21.1.5 int GroupID

The ID number of the small group that this information pertains to.

1.21.1.6 int LevelID

The LevelID of this small group. TODO: What is this?

1.21.1.7 int MemberCount

The total number of members in this small group.

1.21.1.8 string Name

The name of this small group.

1.21.1.9 string Notes

The notes about this small group.

1.21.1.10 int RegistrationCount

The number of pending registrations for this small group.

1.21.1.11 string Schedule

A textual description of the schedule for this small group.

1.21.1.12 int TypeID

The TypeID of this small group. TODO: What is this? Is this the CategoryID or a lookup?

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

- C:/Documents and Settings/daniel/My Documents/Visual Studio 2008/Projects/Arena.Custom.HDC.WebService/CoreRpc.cs

1.22 RpcVersion Struct Reference

Retrieves version information about the protocol used to communicate with the RPC server. If a client and server have the same Major version but different minor versions it can be assumed safe to communicate, so long as the client assumes a Minor version of 0. If a minor version number difference is detected, optional "...Supported" version members should be checked to detect new features over the x.0 version and/or protocol changes, so long as the client minor version is greater than the server's. The server must not make any protocol changes that change existing x.0 functionality, for example changing a structure member's value from an ID number to a name. Such a change must either wait for the next Major version or be added as a new member alongside the old member, with an associated "...Supported" member in this structure. Clients which have a higher Major version number than the server may continue to communicate at the clients discretion. If the client Major version number is less than the server's it currently must not continue communication unless a call to `IsClientVersionSupported(major, minor)` is called first to ask the server if it's protocol is backwards compatible with the given client version.

1.22.1 Member Data Documentation

1.22.1.1 `int Major`

The major protocol version in use by this server.

1.22.1.2 `int Minor`

The minor protocol version in use by this server.

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

- `C:/Documents and Settings/daniel/My Documents/Visual Studio 2008/Projects/Arena.Custom.HDC.WebService/CoreRpc.cs`