

Web Services Interface

This guide describes the Web Services interface within ExtraView. The intended audience is experienced developers v that also support a Web Services interface.

ExtraView provides a standardized set of methods to integrate with other applications using a service-orientated archit implemented within ExtraView and described in the complementary ExtraView Command Line Interface and Applica development platform, including Java and .Net.

A service-oriented architecture is defined as a group of services, which communicate with each other. The process of c coordinating some activity. Some means of connecting services to each other is needed.

SOA applications are built out of software services. Services are intrinsically unassociated units of functionality, whic to perform specific actions. Broadly, SOAs implement functionalities most humans would recognize as a service, such an item with a database or running a report. Instead of services embedding calls to each other in their source code, pro architecture then relies on your business process expert to link and sequence services to meet your business system req

ExtraView's implementation of web services utilizes a service-orientated architecture to provide a full set of integratic

Documentation Examples

The examples in this documentation were prepared using Java as the foundation. There is no certainty that the helper developer will recognize this and be able to use the techniques described and adapt them for their own use.

Downloadable PDF

[The Web Services Interface Guide is downloadable as a single PDF by clicking here.](#) You will need the [Adobe Acrobat](#)

Installation & Configuration

The ExtraView Web Service module is packaged as a war file. The configuration file is held inside of this war file, and give you the location where the file resides. Download this before starting the installation. The following instructions different servers, it is assumed you have sufficient knowledge to modify the instructions yourself. To install the Web S

- Start by ensuring your application server is running
- The war file you download will have a name similar to evjnnnn-WS.war, where the nnnn is the version and build and build number of the file
- Rename the evjnnnn-WS.war file to evj-WS.war. You may use a different file name as long as its name does no supply
- Copy the war file to the web application directory of you application server. Normally this is the directory name
- The application server will expand the Web Service war file, extracting it into a directory named ./evj-WS
- Using the editor of your choice, edit the Web Service configuration file named ./evj-WS/WEB-INF/classes/ev_

```
# (REQUIRED) The URL for the ExtraView API
API_URI=http://yourserver.yourdomain.com/evj/ExtraView/ev_api.action

# (OPTIONAL) The ExtraView user account and password used for PING only
EV_WS_USER=admin
EV_WS_PASSWORD=password

# (OPTIONAL) Used for setting up full RAMPART secure message access to the web service SECUF
SECURE_PASSWORD=apache
```

Web Services Functions

The functions are broken into four basic groups, each with a list of calls that are appropriate to the group. This guide provides a list of the calls returned from the service. An example of each call is provided within the guide.

User Calls

```
insertUser
updateUser
setCurrentUserRole
getUserByEmail
getUserById
getUserFields
getUserRoles
disableUser
getRolesByUser
insertUserRole
```

System Calls

```
getPing
getVersion
getFields
getAppDefault
getHeartbeat
getFieldTitle
setWorkingProjectArea
getAllowedFieldValues
executeCustomCode
```

Report Calls

```
executeReport
executeItemSearch
getFieldList
executeUserSearch
```

Item Calls

```
getItemFieldList
deleteItem
getChangedItems
getItemAudits
insertItem
updateItem
getItem
itemExists
getItemAttachments
```

addItemAttachment

The addItemAttachment service attaches a file to an existing item in the ExtraView database.

Input

Class	Name	Type	Required	Details
-------	------	------	----------	---------

Class	Name	Type	Required	Details
AddItemAttachmentResponse	success	boolean	Yes	True is succeeded
AddItemAttachmentResponse	returnCode	String	No	See Appendix for
AddItemAttachmentResponse	returnMessage	String	No	Human readable

Example

```
public static void testAddItemAttachment(EVItemServiceStub stub) {
    try {
        // generate a temp file
        File tempFile = File.createTempFile("ws_test", ".txt");
        FileOutputStream fop = new FileOutputStream(tempFile);
        fop.write("!!TEST FILE!!\nWS Java Tester built this file!".getBytes());
        fop.flush();
        fop.close();

        // next setup the data source
        DataInputStream dis = new DataInputStream(new FileInputStream(tempFile));
        BufferedReader br = new BufferedReader(new InputStreamReader(dis));

        List bFileList = new ArrayList();

        try {
            byte b;
            while( (b=dis.readByte()) != -1){
                bFileList.add(b);
            }
        } catch (Exception e) {}

        // and now we can send the file
        AddItemAttachmentDocument reqEnvelope =
        AddItemAttachmentDocument.Factory.newInstance();
        AddItemAttachmentRequest request =
        reqEnvelope.addNewAddItemAttachment().addNewRequest();

        request.setUserId(ServiceClientHelper.ADMIN_USER_ID);
        request.setPassword(ServiceClientHelper.ADMIN_PASSWORD);
        request.setItemId(CREATED_Item_ID);
        byte[] results = new byte[bFileList.size()];
        for (int i=0;i
            results[i] = bFileList.get(i);
        }
        request.setAttachment(results);
        request.setAttachmentName(tempFile.getName());
        request.setCharset("US-ASCII");
        request.setContentType("text/plain");
        request.setAttachmentDesc("this is a test file!");

        AddItemAttachmentResponseDocument resEnvelope =
        stub.addItemAttachment(reqEnvelope);
        AddItemAttachmentResponse response =
        resEnvelope.getAddItemAttachmentResponse().getReturn();

        if (response.getSuccess()) {
            System.out.println("Success: " +

```

DeleteItemResponse	success	boolean	Yes	True is succeeded Fal
DeleteItemResponse	returnCode	String	No	See Appendix for det
DeleteItemResponse	returnMessage	String	No	Human readable mess

Example

```
public static void testDeleteItem(EVItemServiceStub stub) {
    try {
        DeleteItemDocument reqEnvelope = DeleteItemDocument.Factory.newInstance();
        DeleteItemRequest request = reqEnvelope.addNewDeleteItem().addNewRequest();
        request.setUserId(ServiceClientHelper.ADMIN_USER_ID);
        request.setPassword(ServiceClientHelper.ADMIN_PASSWORD);
        request.setItemId(CREATED_Item_ID);
        DeleteItemResponseDocument resEnvelope = stub.deleteItem(reqEnvelope);
        DeleteItemResponse response = resEnvelope.getDeleteItemResponse().getReturn();
        if (response.getSuccess()) {
            System.out.println("success: [" + response.getReturnCode() + "] : " +
                response.getReturnMessage());
        } else {
            System.out.println("failure: [" + response.getReturnCode() + "] : " +
                response.getReturnMessage());
        }
    } catch (Exception e) {
        e.printStackTrace();
        System.err.println("nnn");
    }
}
```

disableUser

This action disables a user account within ExtraView. Note that there is no facility to delete a user account. This is to l and/or updated issues and their details are required historically in order to be able to display their information.

Input

Class	Name	Type	Required	Details
RemoveUserRequest	userId	String	Yes	The callers user name
RemoveUserRequest	password	String	Yes	The callers password
RemoveUserRequest	deleteUserId	String	Yes	The user id you want

-

Class	Name	Type	Required	Details
ExecuteCustomCodeRequest	userId	String	Yes	The callers user name
ExecuteCustomCodeRequest	password	String	Yes	The callers password
ExecuteCustomCodeRequest	parameters	Array[]	Yes	An array of name, value pairs
FieldMetaData	name	String	Yes	The field name
FieldMetaData	fixedValue	String	Yes	The field value
FieldMetaData	value	String	No	The field value

Output

Class	Name	Type	Required	Details
ExecuteCustomCodeResponse	success	boolean	Yes	True is successful
ExecuteCustomCodeResponse	returnCode	String	No	See Appendix for return codes
ExecuteCustomCodeResponse	returnMessage	String	No	Human readable message

Example

```
public static void testExecuteCustomCode(EVSystemServiceStub stub) {
    try {
        ExecuteCustomCodeDocument reqEnvelope = ExecuteCustomCodeDocument.Factory.newInstance();
        ExecuteCustomCodeRequest request = reqEnvelope.addNewExecuteCustomCode().addNewParam0();
        request.setUserId(ServiceClientHelper.ADMIN_USER_ID);
        request.setPassword(ServiceClientHelper.ADMIN_PASSWORD);
        FieldMetaData[] parameters = new FieldMetaData[1];
        parameters[0] = request.addNewParameters();
        parameters[0].setName("foo");
        parameters[0].setValue("bar");
        request.setParametersArray(parameters);
        ExecuteCustomCodeResponseDocument resEnvelope = stub.executeCustomCode(reqEnvelope);
        ExecuteCustomCodeResponse response =
            resEnvelope.getExecuteCustomCodeResponse().getReturn();
    }
}
```

ExecuteItemSearchRequest	recordCount	Integer	No	The count of record
ExecuteItemSearchRequest	returnRawXML	boolean	No	If you want the raw
ExecuteItemSearchRequest	fieldMetaData	Array[]	No	An array of FieldM
FieldMetaData	id	String	Yes	An array of FieldM
FieldMetaData	fixedValue	String	Yes	An array of FieldM
FieldMetaData	value	String	No	An array of FieldM

Output

Class	Name	Type	Required	Details
ExecuteItemSearchResponse	success	boolean	Yes	True is succeede
ExecuteItemSearchResponse	returnCode	String	No	See Appendix fo
ExecuteItemSearchResponse	returnMessage	String	No	Human readable
ExecuteItemSearchResponse	xmlResults	String	No	The search result
ExecuteItemSearchResponse	itemRecords	Array[]	Yes	An array of Iteml
ItemRecord	numberOfItemRecordFields	int	Yes	The number of fi
ItemRecord	itemRecordFields	Array[]	Yes	An array of Iteml
ItemRecordField	fieldId	String	Yes	The id of the fiel

Class	Name	Type	Required	Details
ExecuteReportRequest	userId	String	Yes	The caller's user name
ExecuteReportRequest	password	String	Yes	The caller's password
ExecuteReportRequest	status	String	No	The status of the item
ExecuteReportRequest	pageLength	Integer	Yes	The page length
ExecuteReportRequest	persistHandle	String	No	A random string to pe
ExecuteReportRequest	recordStart	Integer	No	The starting index of
ExecuteReportRequest	recordCount	Integer	No	The count of records
ExecuteReportRequest	returnRawXML	boolean	No	Determines whether r performance

Output

Class	Name	Type	Required	Details
ExecuteReportResponse	success	boolean	Yes	True is succeeded Fa
ExecuteReportResponse	returnCode	String	No	See Appendix for de
ExecuteReportResponse	returnMessage	String	No	Human readable mes
ExecuteReportResponse	xmlResults	String	No	The search results in
ExecuteReportResponse	itemRecords	Array[]	Yes	An array of ItemRec

executeReportRaw

This function runs an existing report, using its *report_id*. This is obtained from the *get_reports* function and returns ra

Input

Class	Name	Type	Required	Details
ExecuteReportRawRequest	userId	String	Yes	The caller's user na
ExecuteReportRawRequest	password	String	Yes	The caller's passwo
ExecuteReportRawRequest	pageLength	Integer	Yes	The page length
ExecuteReportRawRequest	persistHandle	String	No	A random string to
ExecuteReportRawRequest	recordStart	Integer	No	The starting index c
ExecuteReportRawRequest	recordCount	Integer	No	The count of record

Output

Class	Name	Type	Required	Details
ExecuteReportRawResponse	success	boolean	Yes	True is succeeded
ExecuteReportRawResponse	returnCode	String	No	See Appendix for
ExecuteReportRawResponse	returnMessage	String	No	Human readable n
ExecuteReportRawResponse	xmlResults	String	No	The search results

Example

ExecuteUserSearchRequest	filter	String	No	This allows your to more then one of th
ExecuteUserSearchRequest	filter_type	String	No	If a filter is given, a filter to work on.

Output

Class	Name	Type	Required	Details
ExecuteUserSearchResponse	success	boolean	Yes	True is succeeded
ExecuteUserSearchResponse	returnCode	String	No	See Appendix for
ExecuteUserSearchResponse	returnMessage	String	No	Human readable r
ExecuteUserSearchResponse	users	Array[]	No	A list of UserBea
User	userId	String	Yes	
User	userPassword	String	No	
User	firstName	String	No	
User	lastName	String	No	
User	password	String	No	
User	email	String	No	
User	jobTitle	String	No	
User	companyName	String	No	

```

request.setFilter("**" + ServiceClientHelper.ADMIN_USER_ID.toUpperCase() + "**");
request.setFilterType("ID");
request.setDisabled("Y");
request.setUserId(ServiceClientHelper.ADMIN_USER_ID);
request.setPassword(ServiceClientHelper.ADMIN_PASSWORD);
ExecuteUserSearchResponseDocument resEnvelope = stub.executeUserSearch(reqEnvelope);
ExecuteUserSearchResponse response =
    resEnvelope.getExecuteUserSearchResponse().getReturn();
if (response.getSuccess()) {
    System.out.println("success: [" + response.getReturnCode() + "] : " +
        response.getReturnMessage());
} else {
    System.out.println("failure: [" + response.getReturnCode() + "] : " +
        response.getReturnMessage());
}
} catch (Exception e) {
    e.printStackTrace();
    System.err.println("nnn");
}
}

```

getAllUserRoles

This action gets all the possible roles available to all users within the ExtraView database.

Input

Class	Name	Type	Required	Details
GetAllUserRolesRequest	userId	String	Yes	The callers user name
GetAllUserRolesRequest	password	String	Yes	The callers password

Output

Class	Name	Type	Required	Details
GetAllUserRolesResponse	success	boolean	Yes	True is succeeded I
GetAllUserRolesResponse	returnCode	String	No	See Appendix for c
GetAllUserRolesResponse	returnMessage	String	No	Human readable m
GetAllUserRolesResponse	roles	Array[]	No	A list of RoleBean:

GetAllowedFieldsRequest	password	String	Yes	The callers password
GetAllowedFieldsRequest	fieldId	String	Yes	
GetAllowedFieldsRequest	parentFieldId	String	Yes	
GetAllowedFieldsRequest	parentValue	String	Yes	

Output

Class	Name	Type	Required	Details
GetAllowedFieldsResponse	success	boolean	Yes	True is succeeded l
GetAllowedFieldsResponse	returnCode	String	No	See Appendix for c
GetAllowedFieldsResponse	returnMessage	String	No	Human readable m
GetAllowedFieldsResponse	<i>fields</i>	Array	No	The list of Field ob
Field	id	String	Yes	
Field	name	String	Yes	
Field	value	String	No	
Field	childOfFieldId	String	No	
Field	repeatingRowField	boolean	No	
Field	textAreaField	boolean	No	

GetAppDefaultRequest	behaviorSettingName	String	Yes	The field name you v
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Output

Class	Name	Type	Required	Details
GetAppDefaultResponse	success	boolean	Yes	True is succeeded Fai
GetAppDefaultResponse	returnCode	String	No	See Appendix for det
GetAppDefaultResponse	returnMessage	String	No	Human readable mes
GetAppDefaultResponse	<i>field</i>	Object	No	A single Field object
Field	id	String	Yes	
Field	name	String	No	
Field	value	String	No	
Field	childOfFieldId	String	No	
Field	repeatingRowField	boolean	No	
Field	textAreaField	boolean	No	
Field	typeOfUserField	boolean	No	

Example

```
public static void testGetAppDefault(EVSystemServiceStub stub) {
    try {
        GetAppDefaultDocument reqEnvelope = GetAppDefaultDocument.Factory.newInstance();
        GetAppDefaultRequest request = reqEnvelope.addNewGetAppDefault().addNewParam0();
        request.setUserId(ServiceClientHelper.ADMIN_USER_ID);
    }
}
```

ItemHistoryRequest	userNameMask	String	No	The optional userNan duration of the execut than the system-wide
ItemHistoryRequest	filters	Array []	No	List of filters for the t
ItemHistoryRequest	startTimeSlice	Date	Yes	The cutoff timestamp timestamp is greater t
Field	id	String	Yes	
Field	name	String	No	
Field	value	String	No	
Field	childOfFieldId	String	No	
Field	repeatingRowField	boolean	No	
Field	textAreaField	boolean	No	
Field	typeOfUserField	boolean	No	

Output

Class	Name	Type	Required	Details
ItemHistoryResponse	success	boolean	Yes	True is succeeded Fa
ItemHistoryResponse	returnCode	String	No	See Appendix for de
ItemHistoryResponse	returnMessage	String	No	Human readable mes

```

        for (ItemRecordField field: record.getItemRecordFieldsArray()) {
            System.out.println(" + New Field + ");
            System.out.println(" - Field Id: " + field.getFieldId());
            System.out.println(" - Value: " + field.getFieldValue());
            System.out.println(" - Title: " + field.getFieldTitle());
            System.out.println(" - Row: " + field.getRow());
        }
    } else {
        System.out.println("failure: [" + response.getReturnCode() + "] : " +
            response.getReturnMessage());
    }
} catch (Exception e) {
    e.printStackTrace();
    System.err.println("nnn");
}
}
}

```

getFieldList

This action provides a list of all the available fields to the user who calls the function.

Input

Class	Name	Type	Required	Details
GetFieldListRequest	userId	String	Yes	The callers user name
GetFieldListRequest	password	String	Yes	The callers password

Output

Class	Name	Type	Required	Details
GetFieldListResponse	success	boolean	Yes	True is succeeded Fal
GetFieldListResponse	returnCode	String	No	See Appendix for det
GetFieldListResponse	returnMessage	String	No	Human readable mes:
GetFieldListResponse	<i>fields</i>	Array	No	A list of Field objects
Field	id	String	Yes	

Input

Class	Name	Type	Required	Details
ItemHistoryRequest	userId	String	Yes	The caller's user name
ItemHistoryRequest	password	String	Yes	The caller's password
ItemHistoryRequest	returnRawXML	Boolean	No	If you want the raw XML
ItemHistoryRequest	startTimeSlice	Date	Yes	The cutoff timestamp timestamp is greater than
ItemHistoryRequest	endTimeSlice	Date	Yes	The optional userNan duration of the execution than the system-wide
ItemHistoryRequest	userNameMask	String	No	The optional userNan duration of the execution than the system-wide
ItemHistoryRequest	filters	Array[]	No	List of filters for the Item
Field	id	String	Yes	
Field	name	String	No	
Field	value	String	No	
Field	childOfFieldId	String	No	
Field	repeatingRowField	boolean	No	
Field	textAreaField	boolean	No	

ItemRecordField	row	int	Yes	The repeating row ve
-----------------	-----	-----	-----	----------------------

Example

```
public static void testGetChangedItems(EVItemServiceStub stub) {
    try {
        GetChangedItemsDocument reqEnvelope = GetChangedItemsDocument.Factory.newInstance();
        ItemHistoryRequest request = reqEnvelope.addNewGetChangedItems().addNewRequest();
        Calendar startCal = new GregorianCalendar();
        startCal.add(Calendar.DATE, -30);
        // look back 30 days ago
        Calendar endCal = new GregorianCalendar();
        request.setUserId(ServiceClientHelper.ADMIN_USER_ID);
        request.setPassword(ServiceClientHelper.ADMIN_PASSWORD);
        request.setStartTimeSlice(startCal);
        request.setEndTimeSlice(endCal);
        request.setReturnRawXML(true);
        GetChangedItemsResponseDocument resEnvelope = stub.getChangedItems(reqEnvelope);
        ItemHistoryResponse response = resEnvelope.getGetChangedItemsResponse().getReturn();
        if (response.getSuccess()) {
            System.out.println("success: [" + response.getReturnCode() + "] : " +
                response.getReturnMessage());
            System.out.println("XML Report:n" + response.getXml());
            for (ItemRecord record: response.getItemRecordsArray()) {
                System.out.println(" ++++++");
                System.out.println(" + New Record + ");
                for (ItemRecordField field: record.getItemRecordFieldsArray()) {
                    System.out.println(" - New Field + ");
                    System.out.println(" - Field Id: " + field.getFieldId());
                    System.out.println(" - Value: " + field.getFieldValue());
                    System.out.println(" - Title: " + field.getFieldTitle());
                    System.out.println(" - Row: " + field.getRow());
                }
            }
        } else {
            System.out.println("failure: [" + response.getReturnCode() + "] : " +
                response.getReturnMessage());
        }
    } catch (Exception e) {
        e.printStackTrace();
        System.err.println("nnn");
    }
}
```

getFieldMetaData

This function retrieved the metadata related to the fields and their fixed values.

Input

Class	Name	Type	Required	Details
GetFieldMetaDataRequest	userId	String	Yes	The callers user name
GetFieldMetaDataRequest	document	String	Yes	The XML document


```

    }
  } catch (Exception e) {
    e.printStackTrace();
  }
}

```

getFieldTitle

This action retrieves the title of a field in the ExtraView data dictionary, by providing its fixed name. Other details abc

Input

Class	Name	Type	Required	Details
GetFieldTitleRequest	userId	String	Yes	The callers user name
GetFieldTitleRequest	password	String	Yes	The callers password
GetFieldTitleRequest	fieldId	String	Yes	The field id you want

Output

Class	Name	Type	Required	Details
GetFieldTitleResponse	success	boolean	Yes	True is succeeded Fal
GetFieldTitleResponse	returnCode	String	No	See Appendix for det
GetFieldTitleResponse	returnMessage	String	No	Human readable mes:
GetFieldTitleResponse	<i>field</i>	Object	No	A single Field object
Field	id	String	Yes	
Field	name	String	Yes	
...	

Class	Name	Type	Required	Details
GetFieldsRequest	userId	String	Yes	The callers user name
GetFieldsRequest	password	String	Yes	The callers password

Output

Class	Name	Type	Required	Details
GetFieldsResponse	success	boolean	Yes	True is succeeded Fal
GetFieldsResponse	returnCode	String	No	See Appendix for det:
GetFieldsResponse	returnMessage	String	No	Human readable mess
GetFieldsResponse	fields	Array[]	No	A list of Field objects
Field	id	String	Yes	
Field	name	String	No	
Field	value	String	No	
Field	childOfFieldId	String	No	
Field	repeatingRowField	boolean	No	
Field	textAreaField	boolean	No	
Field	typeOfUserField	boolean	No	

GetHeartbeatResponse	success	boolean	Yes	True is succeeded Fai
GetHeartbeatResponse	returnCode	String	No	See Appendix for det
GetHeartbeatResponse	returnMessage	String	No	Human readable mes
GetHeartbeatResponse	evStatus	String	Yes	ExtraView System St
GetHeartbeatResponse	dbStatus	String	Yes	ExtraView Database
GetHeartbeatResponse	dbDate	Date	Yes	The current date in th
GetHeartbeatResponse	freeMemory	String	Yes	Free memory on appl
GetHeartbeatResponse	totalMemory	Integer	Yes	Total memory on app
GetHeartbeatResponse	serviceCount	Integer	Yes	The current number c
GetHeartbeatResponse	executeTime	Long	Yes	The time it took to ex
GetHeartbeatResponse	tasks	Array of TaskInfo	No	The information on ta
TaskInfo	nodeId	String	No	The name of the nod
TaskInfo	startOption	String	No	
TaskInfo	taskState	String	No	START_NOW, STOI
TaskInfo	pollInterval	String	No	The minimum numbe
TaskInfo	threads	Array of ThreadInfo	No	

GetItemRequest	password	String	Yes	The callers password
GetItemRequest	itemId	Integer	No	The Id of the item bei
GetItemRequest	itemId	int	?	The int item id (this is
GetItemRequest	returnRawXML	Boolean	No	If you want the raw X

Output

Class	Name	Type	Required	Details
GetItemResponse	success	boolean	Yes	True is succeede
GetItemResponse	returnCode	String	No	See Appendix fo
GetItemResponse	returnMessage	String	No	Human readable
GetItemResponse	xml	String	No	The item in XML
ExecuteItemSearchResponse	itemRecords	Array[]	Yes	An array of Iteml
ItemRecord	numberOfItemRecordFields	int	Yes	The number of fi
ItemRecord	itemRecordFields	Array[]	Yes	An array of Iteml
ItemRecordField	fieldId	String	Yes	The id of the fiel
ItemRecordField	fieldTitle	String	Yes	The title of the fi
ItemRecordField	fieldValue	String	Yes	The value of the :

GetItemAttachmentRequest	itemIdStr	String	?	The String item Id.
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Output

Class	Name	Type	Required	Details
GetItemAttachmentsResponse	success	boolean	Yes	True is succeeded
GetItemAttachmentsResponse	returnCode	String	No	See Appendix fo
GetItemAttachmentsResponse	returnMessage	String	No	Human readable
GetItemAttachmentsResponse	<i>attachments</i>	Array	No	A list of Attachm
Attachment	attachmentDate	Date	Yes	The date the atta
Attachment	fileName	String	Yes	The file name of
Attachment	fileSize	Integer	Yes	The file size of th
Attachment	attachmentCreator	String	Yes	The userId who i
Attachment	attachmentId	Integer	Yes	The id of the atta
Attachment	description	String	Yes	The description c
Attachment	fileType	String	No	The optional min

Example

```
public static void testGetItemAttachments(EVItemServiceStub stub) {
    try {
        GetItemAttachmentsDocument reqEnvelope = GetItemAttachmentsDocument.Factory.newInstance()
        GetItemAttachmentsRequest request =
            reqEnvelope.addNewGetItemAttachments().addNewParam0();
    }
}
```

ItemHistoryRequest	userNameMask	String	No	The optional userNan duration of the execut than the system-wide
ItemHistoryRequest	filters	Array[]	No	List of filters for the l
Field	id	boolean	No	
Field	name	boolean	No	
Field	value	boolean	No	
Field	childOfFieldId	boolean	No	
Field	repeatingRowField	boolean	No	
Field	textAreaField	boolean	No	
Field	typeOfUserField	boolean	No	

Output

Class	Name	Type	Required	Details
ItemHistoryResponse	success	boolean	Yes	True is succeeded Fa
ItemHistoryResponse	returnCode	String	No	See Appendix for de
ItemHistoryResponse	returnMessage	String	No	Human readable mes
ItemHistoryResponse	xml	String	No	The number of field :
ItemHistoryResponse	itemRecords	Array[]	Yes	An array of itemRecu

```

        System.out.println(" - Row: " + field.getRow());
    }
}
} else {
    System.out.println("failure: [" + response.getReturnCode() + "] : " +
        response.getReturnMessage());
}
} catch (Exception e) {
    e.printStackTrace();
    System.err.println("nnn");
}
}
}

```

getItemFieldList

This action provides a list of all the available fields to the user. Note that all of ExtraView's security is in force and an difference in the way that User Defined Fields (UDF's) are shown than other fields. UDF's are handled in a seamless

Input

Class	Name	Type	Required	Details
GetItemFieldListRequest	userId	String	Yes	The callers user name
GetItemFieldListRequest	password	String	Yes	The callers password

Output

Class	Name	Type	Required	Details
GetItemFieldListResponse	success	boolean	Yes	True is succeeded F
GetItemFieldListResponse	returnCode	String	No	See Appendix for d
GetItemFieldListResponse	returnMessage	String	No	Human readable me
GetItemFieldListResponse	fields	Array	No	A list of FieldBeans
Field	id	String	Yes	
Field	name	String	Yes	

There are no inputs for this action.

Output

There are no outputs for this action. Independent of any user ID, password or any other parameter, this action confirm

Example

http://SERVER_NAME/EV_NAME/services/EVSystemService/getPing?

or

```
public static void systemStatus(EVSystemServiceStub stub) {
    try {
        GetPingResponseDocument response = stub.getPing();
        System.out.println(response.getGetPingResponse().getReturn());
    } catch (Exception e) {
        e.printStackTrace();
        System.out.println("nnn");
    }
}
```

getReportHandle

The getReportHandle command returns all the report handles available to the calling user.

Input

Class	Name	Type	Required	Details
GetReportHandleRequest	userId	String	Yes	The caller's user nam
GetReportHandleRequest	password	String	Yes	The caller's password

Output

Class	Name	Type	Required	Details
GetReportHandleResponse	success	boolean	Yes	True is succeeded F
GetReportHandleResponse	returnCode	String	No	See Appendix for d
GetReportHandleResponse	returnMessage	String	No	Human readable me

}

- [Add new comment](#)

getUserByEmail

This action retrieves the first found user within ExtraView for a given email address. Note that if the same email address

Input

Class	Name	Type	Required	Details
GetUserByEmailRequest	userId	String	Yes	The callers user name
GetUserByEmailRequest	password	String	Yes	The callers password
GetUserByEmailRequest	email	String	Yes	The email address of

Output

Class	Name	Type	Required	Details
GetUserByEmailResponse	success	boolean	Yes	True is succeeded False is failed
GetUserByEmailResponse	returnCode	String	No	See Appendix for details
GetUserByEmailResponse	returnMessage	String	No	Human readable message
GetUserByEmailResponse	user	Object	No	A Single UserBean
UserBean	userId	String	Yes	
UserBean	userPassword	String	No	
UserBean	firstName	String	No	

UserBean	cellPhoneNumber	String	No
UserBean	faxNumber	String	No
UserBean	pagerNumber	String	No

Example

```
public static void testGetUserByEmail(EVUserServiceStub stub) {
    try {
        GetUserByEmailDocument reqEnvelope = GetUserByEmailDocument.Factory.newInstance();
        GetUserByEmailRequest request = reqEnvelope.addNewGetUserByEmail().addNewRequest();
        request.setEmail(ServiceClientHelper.generatedEmail());
        request.setUserid(ServiceClientHelper.ADMIN_USER_ID);
        request.setPassword(ServiceClientHelper.ADMIN_PASSWORD);
        GetUserByEmailResponseDocument resEnvelope = stub.getUserByEmail(reqEnvelope);
        GetUserByEmailResponse response =
            resEnvelope.getGetUserByEmailResponse().getReturn();
        if (response.getSuccess()) {
            System.out.println("success: [" + response.getReturnCode() + "] : " +
                response.getReturnMessage());
        } else {
            System.out.println("failure: [" + response.getReturnCode() + "] : " +
                response.getReturnMessage());
        }
    } catch (Exception e) {
        e.printStackTrace();
        System.err.println("nnn");
    }
}
```

getUserById

This action retrieves a user's details from ExtraView for the given user ID.

Input

Class	Name	Type	Required	Details
GetUserByIdRequest	userid	String	Yes	The callers user name
GetUserByIdRequest	password	String	Yes	The callers password
GetUserByIdRequest	getUserid	String	Yes	The user Id of the use:

Output

UserBean	addressLine1	String	No
UserBean	addressLine2	String	No
UserBean	city	String	No
UserBean	state	String	No
UserBean	postalCode	String	No
UserBean	country	String	No
UserBean	workPhoneNumber	String	No
UserBean	homePhoneNumber	String	No
UserBean	cellPhoneNumber	String	No
UserBean	faxNumber	String	No
UserBean	pagerNumber	String	No

Example

```
public static void testGetUserById(EVUserServiceStub stub) {
    try {
        GetUserByIdDocument reqEnvelope = GetUserByIdDocument.Factory.newInstance();
        GetUserByIdRequest request = reqEnvelope.addNewGetUserById().addNewRequest();
        request.setGetUserId(ServiceClientHelper.generatedUserId);
        request.setUserId(ServiceClientHelper.ADMIN_USER_ID);
        request.setPassword(ServiceClientHelper.ADMIN_PASSWORD);
        GetUserByIdResponseDocument resEnvelope = stub.GetUserById(reqEnvelope);
        GetUserByIdResponse response = resEnvelope.getGetUserByIdResponse().getReturn();
        if (response.getSuccess()) {
            System.out.println("success: [" + response.getReturnCode() + "] : " +
                response.getReturnMessage());
        } else {
            System.out.println("failure: [" + response.getReturnCode() + "] : " +
                response.getReturnMessage());
        }
    } catch (Exception e) {
        e.printStackTrace();
    }
}
```

Field	name	String	No
Field	value	String	No
Field	childOfFieldId	String	No
Field	repeatingRowField	boolean	No
Field	textAreaField	boolean	No
Field	typeOfUserField	boolean	No

Example

```
public static void testGetUserFields(EVUserServiceStub stub) {
    try {
        GetUserFieldsDocument reqEnvelope = GetUserFieldsDocument.Factory.newInstance();
        GetUserFieldsRequest request = reqEnvelope.addNewGetUserFields().addNewParam0();
        request.setUserId(ServiceClientHelper.ADMIN_USER_ID);
        request.setPassword(ServiceClientHelper.ADMIN_PASSWORD);
        GetUserFieldsResponseDocument resEnvelope = stub.GetUserFields(reqEnvelope);
        GetUserFieldsResponse response = resEnvelope.getGetUserFieldsResponse().getReturn();
        if (response.getSuccess()) {
            System.out.println("success: [" + response.getReturnCode() + "] : " +
                response.getReturnMessage());
        } else {
            System.out.println("failure: [" + response.getReturnCode() + "] : " +
                response.getReturnMessage());
        }
    } catch (Exception e) {
        e.printStackTrace();
        System.err.println("nnn");
    }
}
```

getUserRoles

This action retrieves a list of the roles for an existing user within ExtraView.

Input

Class	Name	Type	Required	Details
GetUserRolesRequest	userId	String	Yes	The callers user name

```

        System.out.println("failure: [" + response.getReturnCode() + "] : " +
            response.getReturnMessage());
    }
} catch (Exception e) {
    e.printStackTrace();
    System.err.println("nnn");
}
}
}

```

getVersion

This action returns the build information of ExtraView. The build information identifies the specific build and version

Input

Class	Name	Type	Required	Details
GetVersionRequest	userId	String	Yes	The callers user name
GetVersionRequest	password	String	Yes	The callers password

Output

Class	Name	Type	Required	Details
GetVersionResponse	success	boolean	Yes	True is succeeded Fal
GetVersionResponse	returnCode	String	No	See Appendix for det:
GetVersionResponse	returnMessage	String	No	Human readable mess
GetVersionResponse	revision	String	Yes	The revision of Extra'
GetVersionResponse	modificationData	String	Yes	The last modification

Example

```

public static void testGetVersion(EVSystemServiceStub stub) {
    try {
        // first we build the request...
    }
}

```

ItemRecordField	fieldValue	String	No
ItemRecordField	row	int	No

Optional parameters for handling document and image files:

Class	Name	Type	Required	Details
ItemFileField	itemImages	Array[]	No	The array of image fil
ItemFileField	itemDocuments	Array[]	No	The array of documen
ItemFileField	ddName	String	No	The data dictionary na
ItemFileField	fileName	String	No	The target file name to
ItemFileField	file	String	No	The file
ItemFileField	description	String	No	The description of the
ItemFileField	charset	String	No	The charset of the file
ItemFileField	contentType	String	No	The content type - e.g.
ItemFileField	rowId			The repeating row Id
ItemFileField	rowNumber	int	No	The row number - cur

Output

Class	Name	Type	Required	Details
-------	------	------	----------	---------

```

        default:
            item.setFieldId("unknown");
            item.setFieldValue("");
            break;
    }
    items.add(item);
}
request.setItemFieldsArray(items.toArray(new ItemRecordField[items.size()]));
request.setSendEmail(false);
InsertItemResponseDocument resEnvelope = stub.insertItem(reqEnvelope);
InsertItemResponse response = resEnvelope.getInsertItemResponse().getReturn();
if (response.isSuccess()) {
    System.out.println("success: [" + response.getReturnCode() + "] : " +
        response.getReturnMessage());
} else {
    System.out.println("failure: [" + response.getReturnCode() + "] : " +
        response.getReturnMessage());
}
} catch (Exception e) {
    e.printStackTrace();
    System.err.println("nnn");
}
}
}

```

Example 2 - Handling Document & Image Fields

```

public static void testInsertItem(EVItemServiceStub stub) {
    try {
        File imageFile = new File("./test.GIF");
        DataInputStream dis = new DataInputStream(new FileInputStream(imageFile));
        BufferedReader br = new BufferedReader(new InputStreamReader(dis));
        List bFileList = new ArrayList();
        try {
            byte b;
            while (true) {
                b = dis.readByte();
                bFileList.add(b);
            }
        } catch (Exception e) { /* handle the EOF the lazy way. */
        }
        byte[] fileBytes = new byte[bFileList.size()];
        for (int i = 0; i < fileBytes.length; i++) fileBytes[i] = bFileList.get(i);
        for (int i = 0; i < 4; i++) {
            item = ItemRecordField.Factory.newInstance();
            item.setRow(0);
            // no repeating rows for this example
            switch (i) {
                case 0:
                    item.setFieldId("status");
                    item.setFieldValue("NEW");
                    break;
                case 1:
                    item.setFieldId("assigned to");
                    item.setFieldValue(ServiceClientHelper.generatedUserId);
                    break;
                case 2:
                    item.setFieldId("SHORT_DESCR");
                    item.setFieldValue("This is the short desc or title");
                    break;
                case 3:
                    item.setFieldId("DESCRIPTION");
                    item.setFieldValue("this is the long desc");
                    break;
                default:
                    item.setFieldId("unknown");
                    item.setFieldValue("");
            }
        }
    }
}

```

```

        image.setDescription("This is a test image file in a image field!");
        image.setFile(fileBytes);
        image.setDdName("IMAGE");
        image.setFileName(imageFile.getName());
        itemImageFields.add(image);
        request.setItemImagesArray(itemImageFields.toArray(new
            ItemFileField[itemImageFields.size()]));
        UpdateItemResponseDocument resEnvelope = stub.updateItem(reqEnvelope);
        UpdateItemResponse response =
            resEnvelope.getUpdateItemResponse().getReturn();
        if (response.isSuccess()) {
            System.out.println("success: [" + response.getReturnCode() + "] : " +
                response.getReturnMessage());
            System.out.println("Item [" + response.getItemId() + "] was changed.");
            CREATED_Item_ID = response.getItemId();
        } else {
            System.out.println("failure: [" + response.getReturnCode() + "] : " +
                response.getReturnMessage());
        }
    } catch (Exception e) {
        e.printStackTrace();
        System.err.println("\n\n\n");
    }
}

```

insertUser

This action inserts a new user in the ExtraView database. The user must not exist in the database, else an error results.

Input

Class	Name	Type	Required	Details
InsertUserRequest	userId	String	Yes	The callers user name
InsertUserRequest	password	String	Yes	The callers password
InsertUserRequest	newUserId	String	Yes	The desired new user
InsertUserRequest	newUserPassword	String	Yes	The desired new pass
InsertUserRequest	firstName	String	Yes	The new users first na
InsertUserRequest	lastName	String	Yes	The new users last na
InsertUserRequest	email	String	Yes	The new users email :

Class	Name	Type	Required	Details
InsertUserResponse	success	boolean	Yes	True is succeeded Fal
InsertUserResponse	returnCode	String	No	See Appendix for det
InsertUserResponse	returnMessage	String	No	Human readable mess

Example

```
public static void testInsertUser(EVUserServiceStub stub) {
    try {
        // first we build the request...
        InsertUserDocument reqEnvelope = InsertUserDocument.Factory.newInstance();
        InsertUserRequest request = reqEnvelope.addNewInsertUser().addNewParam0();
        request.setNewUserPassword(ServiceClientHelper.generatedPassword());
        request.setNewUserId(ServiceClientHelper.generatedUserId());
        request.setUserId(ServiceClientHelper.ADMIN_USER_ID);
        request.setPassword(ServiceClientHelper.ADMIN_PASSWORD);
        request.setEmail(ServiceClientHelper.generatedEmail());
        request.setFirstName(ServiceClientHelper.generatedFirstName());
        request.setLastName(ServiceClientHelper.generatedLastName());
        InsertUserResponseDocument resEnvelope = stub.insertUser(reqEnvelope);
        InsertUserResponse response = resEnvelope.getInsertUserResponse().getReturn();
        if (response.getSuccess()) {
            System.out.println("success: [" + response.getReturnCode() + "] : " +
                response.getReturnMessage());
            System.out.println(
                "user [" + ServiceClientHelper.generatedUserId + "] user has been inserted.");
        } else {
            System.out.println("failure: [" + response.getReturnCode() + "] : " +
                response.getReturnMessage());
        }
    } catch (Exception e) {
        e.printStackTrace();
        System.err.println("nnn");
    }
}
```

insertUserRole

This action creates a new user role and user mapping within ExtraView.

Input

Class	Name	Type	Required	Details
InsertUserRoleRequest	userId	String	Yes	The callers user name

```

    }
}

```

itemExists

This function does a check to see if the item provided in itemId exists in ExtraView. It returns a simple Boolean result

Input

Class	Name	Type	Required	Details
ItemExistsRequest	userId	String	Yes	The callers user name
ItemExistsRequest	password	String	Yes	The callers password
ItemExistsRequest	itemId	int	?	The int item id. This f
ItemExistsRequest	itemIdStr	String	?	The String item Id. Th

Output

Class	Name	Type	Required	Details
ItemExistsResponse	success	boolean	Yes	True is succeeded Fal
ItemExistsResponse	returnCode	String	No	See Appendix for det
ItemExistsResponse	returnMessage	String	No	Human readable mess
ItemExistsResponse	exists	boolean	Yes	The item in XML for

Example

```

public static void testItemExists(EVItemServiceStub stub) {
    try {
        ItemExistsDocument reqEnvelope = ItemExistsDocument.Factory.newInstance();
        ItemExistsRequest request = reqEnvelope.addNewItemExists().addNewParam0();
        request.setUserId(ServiceClientHelper.ADMIN_USER_ID);
    }
}

```

SetCurrentUserRoleResponse	returnCode	String	No	See Appendix for
SetCurrentUserRoleResponse	returnMessage	String	No	Human readable r

Example

```
public static void testUpdateUserRole(EVUserServiceStub stub) {
    try {
        GetUserRolesResponse userRoleResponse = getUserRoles(stub);
        if (userRoleResponse.isSuccess()) {
            SetCurrentUserRoleDocument reqEnvelope =
                SetCurrentUserRoleDocument.Factory.newInstance();
            SetCurrentUserRoleRequest request =
                reqEnvelope.addNewSetCurrentUserRole().addNewRequest();
            request.setUserId(ServiceClientHelper.generatedUserId());
            request.setPassword(ServiceClientHelper.generatedPassword());
            request.setRoleId(userRoleResponse.getRolesArray()[0].getRoleId());
            SetCurrentUserRoleResponseDocument resEnvelope =
                stub.setCurrentUserRole(reqEnvelope);
            SetCurrentUserRoleResponse response =
                resEnvelope.getSetCurrentUserRoleResponse().getReturn();
            if (response.isSuccess()) {
                System.out.println("success: [" + response.getReturnCode() + "] : " +
                    response.getReturnMessage());
            } else {
                System.out.println("failure: [" + response.getReturnCode() + "] : " +
                    response.getReturnMessage());
            }
        }
    } catch (Exception e) {
        e.printStackTrace();
        System.err.println("nnn");
    }
}
```

setWorkingProjectArea

This action sets the Business Area and Project for the current user within the database.

Input

Class	Name	Type	Required	Details
SetWorkingProjectAreaRequest	userId	String	Yes	The callers user
SetWorkingProjectAreaRequest	password	String	Yes	The callers passw
SetWorkingProjectAreaRequest	areaid	Integer	Yes	The area id to be

updateItem

This API call updates an existing record in the ExtraView database. Except for the itemId, all fields are treated as optional, therefore fields that are required or become required due to the rules must be provided.

Input

Class	Name	Type	Required	Details
UpdateItemRequest	userId	String	Yes	The callers user name
UpdateItemRequest	password	String	Yes	The callers password
UpdateItemRequest	itemId	int	?	The int item id. This field is optional.
UpdateItemRequest	itemIdStr	String	?	The String item Id. This field is optional.
UpdateItemRequest	sendEmail	boolean	Yes	
UpdateItemRequest	itemFields	Array[]	Yes	
ItemRecordField	fieldId	String	Yes	
ItemRecordField	fieldTitle	String	Yes	
ItemRecordField	fieldValue	String	No	
ItemRecordField	row	Integer	No	

Optional parameters for handling document and image files:

Class	Name	Type	Required	Details
ItemRecordField	itemImages	Array[]	No	The array of image files

UpdateItemResponse	returnMessage	String	No	Human readable mess
UpdateItemResponse	itemId	int	Yes	The int value of the II
UpdateItemResponse	itemIdStr	String	Yes	The recommended fie

Example

```

public static void testUpdateItem(EVItemServiceStub stub) {
    try {
        UpdateItemDocument reqEnvelope = UpdateItemDocument.Factory.newInstance();
        UpdateItemRequest request = reqEnvelope.addNewUpdateItem().addNewRequest();
        request.setUserId(ServiceClientHelper.ADMIN_USER_ID);
        request.setPassword(ServiceClientHelper.ADMIN_PASSWORD);
        List items = new ArrayList();
        ItemRecordField item = null;
        for (int i = 0; i < 4; i++) {
            item = ItemRecordField.Factory.newInstance();
            item.setRow(0);
            // no repeating rows for this example
            switch (i) {
                case 0:
                    item.setFieldId("status");
                    item.setFieldValue("NEW");
                    break;
                case 1:
                    item.setFieldId("assigned to");
                    item.setFieldValue(ServiceClientHelper.generatedUserId);
                    break;
                case 2:
                    item.setFieldId("short description");
                    item.setFieldValue("This is the short desc or title");
                    break;
                case 3:
                    item.setFieldId("description");
                    item.setFieldValue("this is the long desc");
                    break;
                default:
                    item.setFieldId("unknown");
                    item.setFieldValue("");
                    break;
            }
            items.add(item);
        }
        request.setItemFieldsArray(items.toArray(new ItemRecordField[items.size()]));
        request.setSendEmail(false);
        UpdateItemResponseDocument resEnvelope = stub.updateItem(reqEnvelope);
        UpdateItemResponse response = resEnvelope.getUpdateItemResponse().getReturn();
        if (response.getSuccess()) {
            System.out.println("success: [" + response.getReturnCode() + "] : " +
                response.getReturnMessage());
        } else {
            System.out.println("failure: [" + response.getReturnCode() + "] : " +
                response.getReturnMessage());
        }
    } catch (Exception e) {
        e.printStackTrace();
        System.err.println("nnn");
    }
}

```

```
        ItemFileField[itemDocumentFields.size()]);
InsertItemResponseDocument resEnvelope = stub.insertItem(reqEnvelope);
InsertItemResponse response = resEnvelope.getInsertItemResponse().getReturn();
if (response.getSuccess()) {
    System.out.println("success: [" + response.getReturnCode() + "] : " +
        response.getReturnMessage());
    System.out.println("Item [" + response.getItemId() + "] was created.");
    CREATED_Item_ID = response.getItemId();
} else {
    System.out.println("failure: [" + response.getReturnCode() + "] : " +
        response.getReturnMessage());
}
} catch (Exception e) {
    e.printStackTrace();
    System.err.println("\n\n\n");
}
}

public static void testUpdateItem(EVItemServiceStub stub) {
    try {
        File imageFile = new File("./test.GIF");
        DataInputStream dis = new DataInputStream(new FileInputStream(imageFile));
        BufferedReader br = new BufferedReader(new InputStreamReader(dis));
        List bFileList = new ArrayList();
        try {
            byte b;
            while (true) {
                b = dis.readByte();
                bFileList.add(b);
            }
        } catch (Exception e) { /* handle the EOF the lazy way. */
        }
        byte[] fileBytes = new byte[bFileList.size()];
        for (int i = 0; i
            items = new ArrayList();
            ItemRecordField item = ItemRecordField.Factory.newInstance();
            item.setRow(0);
            // no repeating rows for this example
            item.setFieldId("SHORT_DESCR");
            item.setFieldValue("This is the short desc or title -- changed!");
            items.add(item);
            request.setItemFieldsArray(items.toArray(new ItemRecordField[items.size()]));
            request.setSendEmail(false);
            List itemImageFields = new ArrayList();
            ItemFileField image = ItemFileField.Factory.newInstance();
            image.setCharset("UTF-8");
            image.setContentType("image/gif");
            image.setDescription("This is a test image file in a image field!");
            image.setFile(fileBytes);
            image.setDdName("IMAGE");
            image.setFileName(imageFile.getName());
            itemImageFields.add(image);
            request.setItemImagesArray(itemImageFields.toArray(new
                ItemFileField[itemImageFields.size()]));
            UpdateItemResponseDocument resEnvelope = stub.updateItem(reqEnvelope);
            UpdateItemResponse response =
                resEnvelope.getUpdateItemResponse().getReturn();
            if (response.getSuccess()) {
                System.out.println("success: [" + response.getReturnCode() + "] : " +
                    response.getReturnMessage());
                System.out.println("Item [" + response.getItemId() + "] was changed.");
                CREATED_Item_ID = response.getItemId();
            } else {
                System.out.println("failure: [" + response.getReturnCode() + "] : " +
                    response.getReturnMessage());
            }
        } catch (Exception e) {
            e.printStackTrace();
            System.err.println("\n\n\n");
        }
    }
}
```

UpdateUserRequest	addressLine1	String	No	The users address (lin
UpdateUserRequest	addressLine2	String	No	The users address (lin
UpdateUserRequest	city	String	No	The users city
UpdateUserRequest	state	String	No	The users state
UpdateUserRequest	postalCode	String	No	The users postal code
UpdateUserRequest	country	String	No	The users country
UpdateUserRequest	workPhoneNumber	String	No	The users work phone
UpdateUserRequest	homePhoneNumber	String	No	The users home phone
UpdateUserRequest	cellPhoneNumber	String	No	The users cell phone n
UpdateUserRequest	faxNumber	String	No	The users fax phone n
UpdateUserRequest	pagerNumber	String	No	The users pager phone

Output

Class	Name	Type	Required	Details
UpdateUserResponse	success	boolean	Yes	True is succeeded Fal
UpdateUserResponse	returnCode	String	No	See Appendix for det
UpdateUserResponse	returnMessage	String	No	Human readable mess

Extra View Windows Web Service Tester

User Id:
Password:

Return Code
SUCCESS

Return Message

Query Services | Item Services | User Services | System Services

Execute Report | Execute Item Search | Get Field List | Execute User Search

Page Length:

Record Start:

Record Count:

Persist Handle:

Return Raw XML: Yes

Report Id:

Results

	Record Index	Field Id	Field Value	Field Title	Repeating Row #
▶	0	ID	10645	ID #	0
	0	SHORT_DESCR		Title	0
	0	STATUS	New	Status	0
	0	AREA	* Global Area *	Business Area	0
	0	DATE_CREATED	Sep 26, 2008	Date Created	0
	0	TIMESTAMP	Sep 26, 2008	Last Modified	0
	0	DAYS_IN_STAT...	3	Days in Status	0
	0	DESCRIPTION	this is the long de...	Description	0
	0	PROJECT	* Master Project *	Project	0
	0	ORIGINATOR	Thorington, Brent	Originator	0

```

<?xml version="1.0" encoding="UTF-8"?><EXTRAVIEW_RESULTS totalrecs="363"><PROBLEM_RECORD><ID
TITLE="ID #"><![CDATA[10645]]></ID><SHORT_DESCR TITLE="Title"><![CDATA[]]></SHORT_DESCR>
<STATUS TITLE="Status"><![CDATA[New]]></STATUS><AREA TITLE="Business Area"><![CDATA[* Global Area
*]]></AREA><DATE_CREATED TITLE="Date Created"><![CDATA[Sep 26, 2008]]></DATE_CREATED>
<TIMESTAMP TITLE="Last Modified"><![CDATA[Sep 26, 2008]]></TIMESTAMP><DAYS_IN_STATUS
TITLE="Days in Status"><![CDATA[3]]></DAYS_IN_STATUS><DESCRIPTION TITLE="Description"><![CDATA[this
is the long desc]]></DESCRIPTION><PROJECT TITLE="Project"><![CDATA[* Master Project *]]></PROJECT>
<ORIGINATOR TITLE="Originator"><![CDATA[Thorington, Brent]]></ORIGINATOR><LAST_CHANGE_USER
TITLE="Last Changed By"><![CDATA[Thorington, Brent]]></LAST_CHANGE_USER><DAYS_OPEN TITLE="Days
                    
```

Sample interface utilizing ExtraView Web Services

Extra View Windows Web Service Tester

User Id: Password:

Return Code: SUCCESS

Return Message:

Query Services | **Item Services** | User Services | System Services

Insert Item | Delete Item | Update Item | **Get Item** | Item Exists | Get Item Attachments | Get Item Field List

Results Export Results

Item Id:

Return Raw XML: Yes

	fieldId	fieldTitle	fieldValue	row	rowSpecified
▶	ID	ID #	10645	0	<input checked="" type="checkbox"/>
	SHORT_DESCR	Title		0	<input checked="" type="checkbox"/>
	STATUS	Status	New	0	<input checked="" type="checkbox"/>
	AREA	Business Area	* Global Area *	0	<input checked="" type="checkbox"/>
	DATE_CREATED	Date Created	Sep 26, 2008	0	<input checked="" type="checkbox"/>
	TIMESTAMP	Last Modified	Sep 26, 2008	0	<input checked="" type="checkbox"/>
	DAYS_IN_STAT...	Days in Status	3	0	<input checked="" type="checkbox"/>
	DESCRIPTION	Description	this is the long de...	0	<input checked="" type="checkbox"/>
	PROJECT	Project	* Master Project *	0	<input checked="" type="checkbox"/>
	ORIGINATOR	Originator	Thorington, Brent	0	<input checked="" type="checkbox"/>
	LAST_CHANGE...	Last Changed By	Thorington, Brent	0	<input checked="" type="checkbox"/>

```

<?xml version="1.0" encoding="UTF-8"?>
<PROBLEM_RECORD>
<ID TITLE="ID #"><CDATA[10645]></ID>
<SHORT_DESCR TITLE="Title"><CDATA[]></SHORT_DESCR>
<STATUS TITLE="Status"><CDATA[New]></STATUS>
<AREA TITLE="Business Area"><CDATA[* Global Area *]></AREA>
<DATE_CREATED TITLE="Date Created"><CDATA[Sep 26, 2008]></DATE_CREATED>
<TIMESTAMP TITLE="Last Modified"><CDATA[Sep 26, 2008]></TIMESTAMP>
<DAYS_IN_STATUS TITLE="Days in Status"><CDATA[3]></DAYS_IN_STATUS>
    
```

Example service to retrieve an item from the database displaying the results