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PaperVision® Enterprise

**API
Reference Guide**

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PaperVision Enterprise R82

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Product Support

Digitech takes great pride in providing software that is extremely simple to use, feature-rich and provides great flexibility both in architecture and in integration capabilities. If, for some reason, you experience any difficulty, please do not hesitate to contact us to experience our legendary customer service toll free at 877.374.3569 (or 402.484.7777) or via email at support@digitechsystems.com. Our technical support staff is available to serve you between the hours of 8:00 AM and 6:00 PM Central Time.

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Chapter 1 – Introduction

PaperVision API's

PaperVision includes a number of API's designed to allow PaperVision's functionality to be extended or integrated into third-party applications and to create customized solutions.

Web Services

PaperVision's web service API provides the necessary functionality to integrate PaperVision's client-server communications. For instance, a developer could integrate PaperVision's document searching and retrieval capabilities into an existing web application.

COM DLL's

PaperVision's COM DLL's provide an ActiveX/COM interface to the same functionality that is available via PaperVision's web services. These interfaces support both local (the computer interacts directly with the database server and document store) and remote (the computer communicates with a PaperVision server via web services) capabilities without having to make any modifications to your code to switch between the two communication methods. In other words, you could use the COM DLL's to write an application that retrieves documents from a local document store or via a remote server (i.e. over the web).

All of the functionality contained in the PaperVision Administration Console is also available through PaperVision's COM DLL's.

Source Code

PaperVision Enterprise is comprised of a series of web pages. These provide significant insight into utilizing the PaperVision API's in a web server application or browser-based environment. The terms of use of this source code are governed by the End User License Agreement.

Licensing

As stated in your End-User License Agreement, PaperVision is licensed per-concurrent user. This allows you the greatest flexibility in licensing as a license is only used when a user is logged into the system (no licenses are used for administration). If all of the licenses are in use, the user will be prompted that there are no licenses available for their session. If you are hosting PaperVision for multiple entities (such as an ASP) it is important to keep in mind that concurrent licenses (either individual, in groups, or unlimited) are assigned to a specific entity.

PaperVision Enterprise WorkFlow is licensed on a per-entity basis. This allows an unlimited number of users for a single entity (of course, still limited to the number of concurrent PaperVision licenses) to access workflow functionality.

Web servers, application servers, and automation servers are all included with the standard concurrent licenses. You can install an unlimited number of these servers, for even a single concurrent license.

The PaperVision Enterprise API's are provided under license as specified in the End-User License Agreement. In addition to a number of API's, PaperVision offers extensive customization capabilities for both PaperVision Enterprise and PaperVision.net Enterprise. Terms of use of PaperVision's API's and source code, as well as customization restrictions, are specified in the PaperVision EULA (End User License Agreement) you received with the product.

The PV System API's PVAction class contains functions whose names begin with the "AD" designator. In order to utilize these administrative functions, the appropriate entity must have a PaperVision Enterprise Advanced Admin Pack license applied.

Chapter 2 – Shared Utility Control

Overview

The PaperVision Shared Utility Control is a COM DLL that contains one component: the *cUtility* component which contains all of the functionality of the control. Since the component is marked as “Global Multi-Use”, all that is normally necessary is to add the project to your project. This component contains utility functionality used throughout the PaperVision Enterprise application.

cUtility Component Methods

BrowseForFolder Method

Description	Displays a dialog box to allow the user to select a folder on a computer or network. This method is superceded by the <i>BrowseForFolderCCRP</i> method.
Syntax	<i>object</i> . BrowseForFolder (hWndOwner, Instructions)
The Syntax for BrowseForFolder contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>hWndOwner</i>	Required expression of type Long specifying the hWnd for the window that will own the dialog box.
<i>Instructions</i>	Required expression of type String specifying the instructions to be displayed in the dialog box.
Return Value	
This function returns a String value indicating the folder selected by the user.	

BrowseForFolderCCRP Method

Description	Displays a dialog box to allow the user to select a folder on a computer or network.
Syntax	<i>object</i> . BrowseForFolderCCRP (hWndOwner, AllowNewFolder, WindowCaption, UserPrompt, RootFolder, SelectedFolder)
The Syntax for BrowseForFolderCCRP contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>hWndOwner</i>	Required expression of type Long specifying the hWnd for the window that will own the dialog box.
<i>AllowNewFolder</i>	Required expression of type Boolean specifying whether to allow new folders to be created. True: A “New Folder” button will be displayed. False: No “New Folder” button will be displayed.
<i>WindowCaption</i>	Required expression of type String specifying the caption at the top of the dialog box.
<i>UserPrompt</i>	Required expression of type String specifying the instructions to be displayed in the dialog box.
<i>RootFolder</i>	Required expression of type String specifying the root folder to browse from.
<i>SelectedFolder</i>	Required expression of type String specifying the pre-selected folder.
Return Value	
This function returns a String value indicating the folder selected by the user.	

BrowseForWorkstationCCRP Method

Description	Displays a dialog box to allow the user to select a computer or server on the network.
Syntax	<i>object</i> . BrowseForWorkstationCCRP (hWndOwner, WindowCaption, UserPrompt, SelectedWorkstation)
The Syntax for BrowseForWorkstationCCRP contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>hWndOwner</i>	Required expression of type Long specifying the hWnd for the window that will own the dialog box.
<i>WindowCaption</i>	Required expression of type String specifying the caption at the top of the dialog box.
<i>UserPrompt</i>	Required expression of type String specifying the instructions to be displayed in the dialog box.
<i>SelectedWorkstation</i>	Required expression of type String specifying the pre-selected computer or server.
Return Value	
This function returns a String value indicating the computer or server selected by the user.	

CopyFile Method

Description	Very quickly copies a single file, creating the destination directory if necessary.
Syntax	<i>object</i> . CopyFile (SourceFile, DestFile)
The Syntax for CopyFile contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>SourceFile</i>	Required expression of type String indicating the full path and file name of the source file to be copied.
<i>DestFile</i>	Required expression of type String indicating the full path and file name of the destination file. If the path doesn't exist, it will automatically get created.
Return Value	
This function returns a Boolean value indicating whether the operation was successful.	
True: The copy operation completed successfully.	
False: The operation failed.	

CopyFileDecryptEx Method

Description	Very quickly copies a single file, creating the destination directory if necessary and decrypts the file using the specified encryption pass phrase.
Syntax	<i>object.</i> CopyFileDecryptEx (SourceFile, DestFile, DecryptPassPhrase, MaintainDateInfo)
The Syntax for CopyFileDecryptEx contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>SourceFile</i>	Required expression of type String indicating the full path and file name of the source file to be copied.
<i>DestFile</i>	Required expression of type String indicating the full path and file name of the destination file. If the path doesn't exist, it will automatically get created.
<i>DecryptPassPhrase</i>	Required expression of type String indicating the pass phrase to be used to decrypt the file as it is copied.
<i>MaintainDateInfo</i>	Required expression of type Boolean indicating whether the destination file should take on the date stamps of the source (True) or use the current date/time (False). Note that if the file is being decrypted, this parameter is ignored because decryption by its very nature creates a new file (which takes on the current date/time).
Return Value	
This function returns a Boolean value indicating whether the operation was successful.	
True: The copy/decrypt operation completed successfully.	
False: The operation failed.	

CopyFileEncryptEx Method

Description	Very quickly copies a single file, creating the destination directory if necessary and encrypts the file using the specified encryption pass phrase.
Syntax	<i>object.</i> CopyFileEncryptEx (SourceFile, DestFile, EncryptPassPhrase, MaintainDateInfo)
The Syntax for CopyFileEncryptEx contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>SourceFile</i>	Required expression of type String indicating the full path and file name of the source file to be copied.
<i>DestFile</i>	Required expression of type String indicating the full path and file name of the destination file. If the path doesn't exist, it will automatically get created.
<i>EncryptPassPhrase</i>	Required expression of type String indicating the pass phrase to be used to encrypt the file as it is copied.
<i>MaintainDateInfo</i>	Required expression of type Boolean indicating whether the destination file should take on the date stamps of the source (True) or use the current date/time (False). Note that if the file is being encrypted, this parameter is ignored because encryption by its very nature creates a new file (which takes on the current date/time).
Return Value	
This function returns a Boolean value indicating whether the operation was successful.	
True: The copy/encrypt operation completed successfully.	
False: The operation failed.	

CopyTreeEncrypt Method

Description	Very quickly copies the contents of one directory to another, while skipping the specified files, creating appropriate replication journal log entries, and optionally deleting the source files. During the copy process, files are encrypted with the specified encryption pass phrase.
Syntax	<i>object.</i> CopyTreeEncrypt (SourceDir, DestDir, SkipFiles, UpdateStatusIncrement, JournalLogPath, FileCount, DeleteAfterCopy, EncryptPassPhrase)
The Syntax for CopyTreeEncrypt contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: <i>cUtility</i>
<i>SourceDir</i>	Required expression of type String indicating the source directory where the contents will be copied from.
<i>DestDir</i>	Required expression of type String indicating the destination directory where the contents will be copied to.
<i>SkipFiles</i>	Required expression of type String indicating a tab-delimited list of files (including their full path) to skip.
<i>UpdateStatusIncrement</i>	Required expression of type Long indicating how many files must be copied before the <i>StatusUpdate</i> event is fired, indicating the current file being copied.
<i>JournalLogPath</i>	Required expression of type String indicating the journal log entry path for the local system.
<i>FileCount</i>	Required expression of type Long that returns the number of files copied.
<i>DeleteAfterCopy</i>	Required expression of type Boolean indicating whether or not to immediately delete each file after it has been copied.
<i>EncryptPassPhrase</i>	Required expression of type String indicating the pass phrase to be used to encrypt the files as they are copied.
Return Value	
This function returns a Boolean value indicating whether the operation was successful.	
True: The copy/encrypt operation completed successfully.	
False: The operation failed.	

CopyTreeEx Method

Description	Very quickly copies the contents of one directory to another, while skipping the specified files, creating appropriate replication journal log entries, and optionally deleting the source files.
Syntax	<i>object</i> . CopyTreeEx (SourceDir, DestDir, SkipFiles, UpdateStatusIncrement, JournalLogPath, FileCount, DeleteAfterCopy)
The Syntax for CopyTreeEx contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: <i>cUtility</i>
<i>SourceDir</i>	Required expression of type String indicating the source directory where the contents will be copied from.
<i>DestDir</i>	Required expression of type String indicating the destination directory where the contents will be copied to.
<i>SkipFiles</i>	Required expression of type String indicating a tab-delimited list of files (including their full path) to skip.
<i>UpdateStatusIncrement</i>	Required expression of type Long indicating how many files must be copied before the <i>StatusUpdate</i> event is fired, indicating the current file being copied.
<i>JournalLogPath</i>	Required expression of type String indicating the journal log entry path for the local system.
<i>FileCount</i>	Required expression of type Long that returns the number of files copied.
<i>DeleteAfterCopy</i>	Required expression of type Boolean indicating whether or not to immediately delete each file after it has been copied.
Return Value	
This function returns a Boolean value indicating whether the operation was successful.	
True: The copy operation completed successfully.	
False: The operation failed.	

CopyTreeMinFileDate Method

Description	Very quickly copies the contents of one directory to another, while skipping the specified files based on their file names and their modification date/time and creating appropriate replication journal log entries.
Syntax	<i>object</i> . CopyTreeMinFileDate (SourceDir, DestDir, FilesToSkip, UpdateStatusIncrement, JournalLogPath, FileCount, DeleteAfterCopy, EncryptPassPhrase, DecryptPassPhrase, MinFileDateTime)
The Syntax for CopyTreeMinFileDate contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: <i>cUtility</i>
<i>SourceDir</i>	Required expression of type String indicating the source directory where the contents will be copied from.
<i>DestDir</i>	Required expression of type String indicating the destination directory where the contents will be copied to.
<i>FilesToSkip</i>	Required expression of type String indicating a tab-delimited list of files (including their full path) to skip.
<i>UpdateStatusIncrement</i>	Required expression of type Long indicating how many files must be copied before the <i>StatusUpdate</i> event is fired, indicating the current file being copied.
<i>JournalLogPath</i>	Required expression of type String indicating the journal log entry path for the local system.
<i>FileCount</i>	Required expression of type Long that returns the number of files copied.
<i>DeleteAfterCopy</i>	Required expression of type Boolean indicating whether or not to immediately delete each file after it has been copied.
<i>EncryptPassPhrase</i>	Required expression of type String indicating the pass phrase to be used to encrypt the files as they are copied. Leave blank if no encryption is to be performed.
<i>DecryptPassPhrase</i>	Required expression of type String indicating the pass phrase to be used to decrypt the files as they are copied. Leave blank if no decryption is to be performed.
<i>MinFileDateTime</i>	Required expression of type String indicating the minimum file modified date/time for any files that are to be copied. Leave blank if files are to be copied regardless of their modified date/time value.

Return Value

This function returns a Boolean value indicating whether the operation was successful.

True: The copy operation completed successfully.

False: The operation failed.

CopyTreeWithJournal Method

Description	Very quickly copies the contents of one directory to another and creates appropriate replication journal log entries.
Syntax	<i>object</i> . CopyTreeWithJournal (SourceDir, DestDir, UpdateStatusIncrement, JournalLogPath)
The Syntax for CopyTreeWithJournal contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: <i>cUtility</i>
<i>SourceDir</i>	Required expression of type String indicating the source directory where the contents will be copied from.
<i>DestDir</i>	Required expression of type String indicating the destination directory where the contents will be copied to.
<i>UpdateStatusIncrement</i>	Required expression of type Long indicating how many files must be copied before the <i>StatusUpdate</i> event is fired, indicating the current file being copied.
<i>JournalLogPath</i>	Required expression of type String indicating the journal log entry path for the local system.
Return Value	
This function returns a Boolean value indicating whether the operation was successful. True: The copy operation completed successfully. False: The operation failed.	

CopyTreeWithJournalSkipFiles Method

Description	Very quickly copies the contents of one directory to another, while skipping the specified files and creating appropriate replication journal log entries.
Syntax	<i>object.CopyTreeWithJournalSkipFiles</i> (SourceDir, DestDir, SkipFiles, UpdateStatusIncrement, JournalLogPath)
The Syntax for CopyTreeWithJournalSkipFiles contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: <i>cUtility</i>
<i>SourceDir</i>	Required expression of type String indicating the source directory where the contents will be copied from.
<i>DestDir</i>	Required expression of type String indicating the destination directory where the contents will be copied to.
<i>SkipFiles</i>	Required expression of type String indicating a tab-delimited list of files (including their full path) to skip.
<i>UpdateStatusIncrement</i>	Required expression of type Long indicating how many files must be copied before the <i>StatusUpdate</i> event is fired, indicating the current file being copied.
<i>JournalLogPath</i>	Required expression of type String indicating the journal log entry path for the local system.
Return Value	
This function returns a Boolean value indicating whether the operation was successful.	
True: The copy operation completed successfully.	
False: The operation failed.	

CurrentTimeToMillisecond Method

Description	Returns the current time with precision to the nearest millisecond.
Syntax	<i>object</i> . CurrentTimeToMillisecond ()
The Syntax for CurrentTimeToMillisecond contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
Return Value	
This function returns a String value indicating the current time (i.e. “14:23:37:421”)	

DateTime_LocaltoUTC Method

Description	Returns the specified date/time value in UTC (Coordinated Universal Time).
Syntax	<i>object</i> . DateTime_LocaltoUTC (LocalDateTime)
The Syntax for DateTime_LocaltoUTC contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>LocalDateTime</i>	Required expression of type String specifying the date/time value to convert to UTC.
Return Value	
This function returns a String value indicating the date/time value in UTC.	

DateTime_UTCtoLocal Method

Description	Returns the specified UTC (Coordinated Universal Time) date/time value in the local machine's time zone.
Syntax	<i>object</i> . DateTime_UTCtoLocal (UTCDateTime)
The Syntax for DateTime_UTCtoLocal contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>UTCDateTime</i>	Required expression of type String specifying the UTC date/time value to convert to the local machine's time zone.
Return Value	
This function returns a String value indicating the UTC date/time value in the local machine's time zone.	

DecompressBuffer Method

Description	Returns decompressed PVERM file set page data that had been compressed during processing.
Syntax	<i>object</i> . DecompressBuffer (CBuffer)
The Syntax for DecompressBuffer contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>CBuffer</i>	Required expression of type String containing a single file set page's data that is to be decompressed.
Return Value	
This function returns a String value indicating the decompressed value of the page data.	

DecryptBufferStd Method

Description	Decrypts the specified string using PaperVision’s standard decryption method.
Syntax	<i>object</i> . DecryptBufferStd (Buffer, PassPhrase)
The Syntax for DecryptBufferStd contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>Buffer</i>	Required expression of type String containing the string data to be decrypted.
<i>PassPhrase</i>	Required expression of type String containing the pass phrase used to decrypt the data.
Return Value	
This function returns a String value containing the decrypted contents of the original buffer. PaperVision’s standard decryption uses the Rijndael AES (256-bit) algorithm, ECB (Electronic Code Book – a.k.a. Free Blocks) encryption mode, FIPS81 (Federal Information Processing Standards 81 – ISO10126) padding method, and the SHA-2 (Secure Hashing Algorithm) algorithm to generate a 512-bit secret decryption key from the specified <i>PassPhrase</i> .	

DecryptBufferStdHex Method

Description	Decrypts the specified string using PaperVision's standard decryption method.
Syntax	<i>object</i> . DecryptBufferStdHex (Buffer, PassPhrase)
The Syntax for DecryptBufferStdHex contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: <i>cUtility</i>
<i>Buffer</i>	Required expression of type String containing the string data to be decrypted. This data should be in hexadecimal representation.
<i>PassPhrase</i>	Required expression of type String containing the pass phrase used to decrypt the data.
Return Value	
This function returns a String value containing the decrypted contents of the original buffer. This is used to decrypt data that was previously encrypted by <i>EncryptBufferStdHex</i> . PaperVision's standard decryption uses the Rijndael AES (256-bit) algorithm, ECB (Electronic Code Book – a.k.a. Free Blocks) encryption mode, FIPS81 (Federal Information Processing Standards 81 – ISO10126) padding method, and the SHA-2 (Secure Hashing Algorithm) algorithm to generate a 512-bit secret decryption key from the specified <i>PassPhrase</i> .	

DecryptFileStd Method

Description	Decrypts the specified file using PaperVision's standard decryption method.
Syntax	<i>object</i> . DecryptFileStd (InputFile, OutputFile, PassPhrase)
The Syntax for DecryptFileStd contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>InputFile</i>	Required expression of type String specifying the full path to the file to be decrypted.
<i>OutputFile</i>	Required expression of type String specifying the full path to the file to be created (the un-encrypted file).
<i>PassPhrase</i>	Required expression of type String containing the pass phrase used to decrypt the file.
Return Value	
This function returns a Boolean value indicating whether or not the file was successfully decrypted. PaperVision's standard decryption uses the Rijndael AES (256-bit) algorithm, ECB (Electronic Code Book – a.k.a. Free Blocks) encryption mode, FIPS81 (Federal Information Processing Standards 81 – ISO10126) padding method, and the SHA-2 (Secure Hashing Algorithm) algorithm to generate a 512-bit secret decryption key from the specified <i>PassPhrase</i> .	

DecToHex Method

Description	Converts a decimal value to a hexadecimal string.
Syntax	<i>object</i> . DecToHex (DecValue)
The Syntax for DecToHex contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>DecValue</i>	Required expression of type Long indicating the value to convert to a hexadecimal string
Return Value	
This function returns a String value indicating the hexadecimal value.	

DeleteFilesWildcard Method

Description	Deletes all files that meet the specified filename/wildcard combination.
Syntax	<i>object</i> . DeleteFilesWildcard (FilePathToDelete)
The Syntax for DeleteFilesWildcard contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>FilePathToDelete</i>	Required expression of type String which specifies the full path and wildcard file name of the file(s) to be deleted.
Return Value	
This function returns a Boolean value indicating whether or not the operation was successful.	

DeleteTreeByAge Method

Description	Deletes all files and directories older than a specified date.
Syntax	<i>object</i> . DeleteTreeByAge (Path, MaxDateTime, MaxDateType, EmptyDirRemovalDepth, UpdateStatusIncrement, DelFileCount)
The Syntax for DeleteTreeByAge contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>Path</i>	Required expression of type String which specifies the path from which the files will be deleted. All files in any subdirectories will also be processed.
<i>MaxDateTime</i>	Required expression of type String which specifies the date and time against each file is evaluated.
<i>MaxDateType</i>	Required expression of type Integer which indicates which file date is to be evaluated: 0 = file modified date 1 = file created date
<i>EmptyDirRemovalDepth</i>	Required expression of type Integer. If all files have been removed from a directory, the depth of the subdirectory (as calculated from the specified <i>Path</i>), is compared to this value to determine whether or not to remove the empty directory. Directories will only be removed if they contain no files and their depth is greater than or equal to this value.
<i>UpdateStatusIncrement</i>	Required expression of type Long specifying the number of files that must pass before the <i>StatusUpdate</i> event is fired.
<i>DelFileCount</i>	Required expression of type Long which gets populated with the number of files deleted.
Return Value	
This function returns a Boolean value indicating whether or not the operation was successful.	

DLLPath Method

Description	Returns a value indicating the path to the PVDMSShar.DLL file.
Syntax	<i>object</i> . DLLPath()
The Syntax for DLLPath contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
Return Value	
This function returns a String value indicating the path to the PVDMSShar.DLL file.	

EncryptBufferStd Method

Description	Encrypts the specified string using PaperVision's standard encryption method.
Syntax	<i>object</i> . EncryptBufferStd (Buffer, PassPhrase)
The Syntax for EncryptBufferStd contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>Buffer</i>	Required expression of type String containing the string data to be encrypted.
<i>PassPhrase</i>	Required expression of type String containing the pass phrase used to encrypt the data.
Return Value	
This function returns a String value containing the encrypted contents of the original buffer. PaperVision's standard encryption uses the Rijndael AES (256-bit) algorithm, ECB (Electronic Code Book – a.k.a. Free Blocks) encryption mode, FIPS81 (Federal Information Processing Standards 81 – ISO10126) padding method, and the SHA-2 (Secure Hashing Algorithm) algorithm to generate a 512-bit secret encryption key from the specified <i>PassPhrase</i> .	

EncryptBufferStdHex Method

Description	Encrypts the specified string using PaperVision's standard encryption method and returns a hexadecimal string representation.
Syntax	<i>object</i> . EncryptBufferStdHex (Buffer, PassPhrase)
The Syntax for EncryptBufferStdHex contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>Buffer</i>	Required expression of type String containing the string data to be encrypted.
<i>PassPhrase</i>	Required expression of type String containing the pass phrase used to encrypt the data.
Return Value	
This function returns a String value containing the encrypted contents of the original buffer, in hexadecimal representation. This is useful in environments where the string returned by EncryptBufferStd includes characters that cannot be used by the calling application. PaperVision's standard encryption uses the Rijndael AES (256-bit) algorithm, ECB (Electronic Code Book – a.k.a. Free Blocks) encryption mode, FIPS81 (Federal Information Processing Standards 81 – ISO10126) padding method, and the SHA-2 (Secure Hashing Algorithm) algorithm to generate a 512-bit secret encryption key from the specified <i>PassPhrase</i> .	

EncryptFileStd Method

Description	Encrypts the specified file using PaperVision's standard encryption method.
Syntax	<i>object</i> . EncryptFileStd (InputFile, OutputFile, PassPhrase)
The Syntax for EncryptFileStd contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>InputFile</i>	Required expression of type String specifying the full path to the file to be encrypted.
<i>OutputFile</i>	Required expression of type String specifying the full path to the file to be created (the encrypted file).
<i>PassPhrase</i>	Required expression of type String containing the pass phrase used to encrypt the file.
Return Value	
This function returns a Boolean value indicating whether or not the file was successfully encrypted. PaperVision's standard encryption uses the Rijndael AES (256-bit) algorithm, ECB (Electronic Code Book – a.k.a. Free Blocks) encryption mode, FIPS81 (Federal Information Processing Standards 81 – ISO10126) padding method, and the SHA-2 (Secure Hashing Algorithm) algorithm to generate a 512-bit secret encryption key from the specified <i>PassPhrase</i> .	

ERMGetFileSetDocumentFileEx Method

Description	Retrieves the ASCII contents of the pages requested from a PVERM file set. The returned pages are contained in a document separated by Form Feed characters.
Syntax	<i>object</i> . ERMGetFileSetDocumentFileEx (FileSetPath, FileSetPageStart, FileSetPageEnd, OutputDocFile, DecryptionKeyValue)
The Syntax for ERMGetFileSetDocumentFileEx contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>FileSetPath</i>	Full path to any one of the file set files.
<i>FileSetPageStart</i>	Starting page number within the file set to extract.
<i>FileSetPageEnd</i>	Ending page number within the file set to extract.
<i>OutputDocFile</i>	Full path to the file that will contain the extracted pages.
<i>DecryptionKeyValue</i>	Required expression of type String specifying the decryption key to be used to decrypt the data after extraction. If this value is blank, it is assumed that no decryption is necessary.
Return Value	
This function returns a Boolean value indicating whether or not the operation completed successfully.	

ERMGetFileSetPageCount Method

Description	Retrieves the number of pages within a file set.
Syntax	<i>object</i> .ERMGetFileSetPageCount(FileSetPath)
The Syntax for ERMGetFileSetPageCount contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>FileSetPath</i>	Full path to any one of the file set files.
Return Value	
This function returns a Long value indicating the number of pages within the file set.	

ERMGetFileSetPageDataEx Method

Description	Retrieves the page contents of the specified page within a file set.
Syntax	<i>object</i> . ERMGetFileSetPageDataEx (FileSetPath, FileSetPageNumber, DecryptionKeyValue)
The Syntax for ERMGetFileSetPageDataEx contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>FileSetPath</i>	Full path to any one of the file set files.
<i>FileSetPageNumber</i>	Page number within the file set to retrieve.
<i>DecryptionKeyValue</i>	Required expression of type String specifying the decryption key to be used to decrypt the data after extraction. If this value is blank, it is assumed that no decryption is necessary.
Return Value	
This function returns a String containing the page contents of the specified file set page number.	

FixPath Method

Description	Verifies that a path has the appropriate backslash on the end of it.
Syntax	<i>object</i> . FixPath (Path)
The Syntax for FixPath contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>Path</i>	Required expression of type String indicating the path to verify.
Return Value	
This function returns a String value indicating the verified path (with the appropriate trailing backslash added if it was missing).	

GenerateGUID Method

Description	Returns a new GUID value.
Syntax	<i>object</i> . GenerateGUID (Clean)
The Syntax for GenerateGUID contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>Clean</i>	Required expression of type Boolean indicating whether or not to clean (or strip) the brackets and hyphens from the GUID.
Return Value	
This function returns a String value indicating the new GUID.	

GetDecimalCharacter Method

Description	Returns the local computer's decimal separator character (i.e. the "." in 1.25).
Syntax	<i>object</i> .GetDecimalCharacter()
The Syntax for GetDecimalCharacter contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
Return Value	
This function returns a String value indicating the computer's decimal separator character. This is typically a period or a comma (depending on the locale settings).	

GetDefaultPrinter Method

Description	Returns the device name of the default printer.
Syntax	<i>object</i> . GetDefaultPrinter()
The Syntax for GetDefaultPrinter contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
Return Value	
This function returns a String value indicating the device name of the default printer.	

GetFileDir Method

Description	Returns the directory portion of the full path containing a file name.
Syntax	<i>object</i> . GetFileDir (sFilePath)
The Syntax for GetFileDir contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>sFilePath</i>	Required expression of type String specifying the full path containing the file name.
Return Value	
This function returns a String value indicating the path extracted (without the file name).	

GetFileExtension Method

Description	Returns the extension of a file name (with or without the full path).
Syntax	<i>object</i> . GetFileExtension (sFilePath)
The Syntax for GetFileExtension contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>sFilePath</i>	Required expression of type String specifying a file name (with or without the path).
Return Value	
This function returns a String value indicating the extension for the file.	

GetFileList Method

Description	Creates a text file containing a list of all of the files that meet the specified requirements.
Syntax	<i>object</i> . GetFileList (SourceDir, FileListFile, FilesToSkip, MinFileDateTime)
The Syntax for GetFileList contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>SourceDir</i>	Required expression of type String indicating the source directory where the contents will be copied from.
<i>FileListFile</i>	Required expression of type String indicating the full path and file name of the file to be populated with the results.
<i>FilesToSkip</i>	Required expression of type String indicating a tab-delimited list of files (including their full path) to skip.
<i>MinFileDateTime</i>	Required expression of type String indicating the minimum file modified date/time for any files that are to be copied. Leave blank if files are to be copied regardless of their modified date/time value.
Return Value	
This function returns a Long value indicating the number of files located.	

GetFileModifiedDate Method

Description	Returns the last modified date and time of the specified file.
Syntax	<i>object</i> . GetFileModifiedDate (sFilePath)
The Syntax for GetFileModifiedDate contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>sFilePath</i>	Required expression of type String specifying the full path containing the file name.
Return Value	
This function returns a String value indicating the last modified date and time.	

GetFileName Method

Description	Returns the file name portion of a full path containing a file name.
Syntax	<i>object</i> . GetFileName (sFilePath)
The Syntax for GetFileName contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>sFilePath</i>	Required expression of type String specifying the full path containing the file name.
Return Value	
This function returns a String value indicating the file name extracted (without the path).	

GetFilePathDiff Method

Description	Returns the portion of a file path that is different from another path.
Syntax	<i>object</i> . GetFilePathDiff (FilePath, RootDir)
The Syntax for GetFilePathDiff contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>FilePath</i>	Required expression of type String specifying the file path to evaluate.
<i>RootDir</i>	Required expression of type String specifying the root path that is used to compare to <i>FilePath</i> .
Return Value	
This function returns a String value indicating the portion of the file path that is different from the specified root path.	

GetFolderPath Method

Description	Returns the path to the specified folder.
Syntax	<i>object</i> . GetFolderPath (FolderPathID)
The Syntax for GetFolderPath contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>FolderPathID</i>	Required expression of type Long specifying the CSIDL value that identifies the folder whose path is to be retrieved. Only real folders are valid.
Return Value	
This function returns a String value indicating the path to the specified folder.	

GetFolderPath_LocalAppData Method

Description	Returns the path to the local application data folder.
Syntax	<i>object</i> .GetFolderPath_LocalAppData()
The Syntax for GetFolderPath_LocalAppData contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
Return Value	
This function returns a String value indicating the path to the specified folder.	

GetFullFilePathNoExtension Method

Description	Returns the specified file name and path with the file extension stripped from the end.
Syntax	<i>object</i> .GetFullFilePathNoExtension(sFilePath)
The Syntax for GetFullFilePathNoExtension contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>sFilePath</i>	Required expression of type String specifying the full path containing the file name.
Return Value	
This function returns a String value indicating the file name and path without the extension.	

GetINISetting Method

Description	Returns the specified setting from an INI file.
Syntax	<i>object</i> . GetINISetting (SectionName, KeyName, Default, File)
The Syntax for GetINISetting contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>SectionName</i>	Required expression of type String that specifies the section of the INI file to extract the setting from.
<i>KeyName</i>	Required expression of type String that specifies the key name of the setting to extract.
<i>Default</i>	Required expression of type String that specifies the default value to return in the event the setting cannot be located.
<i>File</i>	Required expression of type String that specifies the INI file to extract the setting from.
Return Value	
This function returns a String value indicating the requested key value.	

GetLocalIPInfo Method

Description	Gathers the computer name and IP address(es) of the local computer.
Syntax	<i>object</i> . GetLocalIPInfo (LocalHostName, IPAddressList)
The Syntax for GetLocalIPInfo contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: <i>cUtility</i>
<i>LocalHostName</i>	Required expression of type String that returns the local computer name.
<i>IPAddressList</i>	Required expression of type String that returns a comma-delimited list of IP addresses that are assigned to the local network adapters.
Return Value	
This function returns a Boolean value indicating whether the operation was successful.	
True: The <i>LocalHostName</i> and <i>IPAddressList</i> values are populated with the computer's information.	
False: The system was unable to determine the requested information.	

GetNextDateTime Method

Description	Returns a date and time that is incremented by the specified repetition interval. The new date and time is at least the CurrentDateTime.
Syntax	<i>object</i> . GetNextDateTime (CurrentDateTime, StartDateTime, RepeatType, RepeatCount, RepeatTypeDetail)
The Syntax for GetNextDateTime contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>CurrentDateTime</i>	Required expression of type String that specifies the current date and time of the calling system. We include this because the calling system may not be in the same time zone.
<i>StartDateTime</i>	Required expression of type String that specifies the date and time that is to be incremented.
<i>RepeatType</i>	Required expression of type String that must specify one of the following values: “MINUTE”, “HOUR”, “DAY”, “WEEK”, “MONTH”
<i>RepeatCount</i>	Required expression of type Long that specifies how many of the specified intervals of <i>RepeatType</i> should be incremented.
<i>RepeatTypeDetail</i>	Required expression of type String that specifies days of the week (in “dddd” format) when the <i>RepeatType</i> is “WEEK”.
Return Value	
This function returns a String value indicating the resultant incremented date and time in the following format: mmm dd, yyyy hh:nn:ss	

GetShortFile_or_Path_Name Method

Description	Returns the short file or path name for the specified long file or path name.
Syntax	<i>object</i> .GetShortFile_or_Path_Name(LongFile_or_Path_Name)
The Syntax for GetShortFile_or_Path_Name contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>LongFile_or_Path_Name</i>	Required expression of type String specifying the long file or path name to extract the short name from.
Return Value	
This function returns a String value indicating the sort file or path name.	

GetWindowsOS Method

Description	Returns the Windows operating system name for the local computer.
Syntax	<i>object</i> .GetWindowsOS()
The Syntax for GetWindowsOS contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
Return Value	
This function returns a String value indicating one of the following Windows operating system names: Windows 95, Windows 98, Windows ME, Windows NT 3.51, Windows NT 4.0, Windows 2000, Windows XP	

GetWindowsUserName Method

Description	Returns the Windows domain and user name of the currently logged on user.
Syntax	<i>object</i> .GetWindowsUserName()
The Syntax for GetWindowsUserName contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
Return Value	
This function returns a String value indicating the current user's domain name and user name in the DOMAIN\USER format.	

GetWorkstationName Method

Description	Returns the name of the local computer.
Syntax	<i>object</i> .GetWorkstationName()
The Syntax for GetWorkstationName contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
Return Value	
This function returns a String value indicating the name of the local computer.	

HexToDec Method

Description	Converts a hexadecimal value to a decimal value.
Syntax	<i>object</i> . HexToDec (HexValue)
The Syntax for HexToDec contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>HexValue</i>	Required expression of type String specifying the hexadecimal value to convert.
Return Value	
This function returns a Long value indicating the decimal equivalent of the passed hex value.	

INIGetPVDMValue Method

Description	Retrieves a value from the PVDM.INI file used for PaperVision Enterprise.
Syntax	<i>object</i> . INIGetPVDMValue (ValueName, [Section])
The Syntax for INIGetPVDMValue contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>ValueName</i>	Required expression of type String specifying the key value to retrieve.
<i>Section</i>	Optional expression of type String specifying the section to retrieve the value from. If this is left blank, the value will be retrieved from the “PVDM” section.
Return Value	
This function returns a String value indicating the retrieved value.	

INISavePVDMValue Method

Description	Saves a value to the PVDM.INI file used for PaperVision Enterprise.
Syntax	<i>object</i> . INISavePVDMValue (ValueName, Value, [Section])
The Syntax for INISavePVDMValue contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>ValueName</i>	Required expression of type String specifying the value's key.
<i>Value</i>	Required expression of type String specifying the value to save.
<i>Section</i>	Optional expression of type String specifying the section to save the value to. If this is left blank, the value will be saved to the "PVDM" section.
Return Value	
This function returns a Boolean value indicating whether the value was successfully saved.	
True: The value was successfully saved.	
False: An error occurred while saving the value.	

KillDir Method

Description	Deletes all of the contents and subdirectories of the specified directory.
Syntax	<i>object</i> . KillDir (Path, ErrorMessage, KillRoot)
The Syntax for KillDir contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>Path</i>	Required expression of type String indicating the directory to be deleted.
<i>ErrorMessage</i>	Required expression of type String that returns the error message if the method fails for some reason.
<i>KillRoot</i>	Required expression of type Boolean indicating whether or not to remove the root directory (as specified in the <i>Path</i> parameter) after its contents have been deleted.
Return Value	
This function returns a Boolean value indicating whether the operation was completed successfully.	
True: The operation completed successfully.	
False: An error was encountered during the operation.	

KillDirectoryEx Method

Description	Deletes the specified directory and all of its contents and subdirectories.
Syntax	<i>object</i> . KillDirectoryEx (Path, ErrorMessage)
The Syntax for KillDirectoryEx contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>Path</i>	Required expression of type String indicating the directory to be deleted.
<i>ErrorMessage</i>	Required expression of type String that returns the error message if the method fails for some reason.
Return Value	
This function returns a Boolean value indicating whether the operation was completed successfully.	
True: The operation completed successfully.	
False: An error was encountered during the operation.	

LicenseProductAssignable Method

Description	Determines whether a project can be assigned to an entity or is global (for all entities).
Syntax	<i>object</i> . LicenseProductAssignable (ProdID)
The Syntax for LicenseProductAssignable contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>ProdID</i>	Required expression of type Integer that specifies the product identifier.
Return Value	
This function returns a Boolean value indicating whether the product can be assigned to an entity.	
True: The product can be assigned to an entity.	
False: The product is a global product and cannot be assigned.	

LicenseProductDemo1Year Method

Description	Determines whether a project is a 1-year demo license.
Syntax	<i>object</i> .LicenseProductDemo1Year(ProdID)
The Syntax for LicenseProductDemo1Year contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>ProdID</i>	Required expression of type Integer that specifies the product identifier.
Return Value	
This function returns a Boolean value indicating whether the product is a 1-year demo license.	
True: The product is a 1-year demo license.	
False: The product is not a 1-year demo license.	

LicenseProductDemo30Day Method

Description	Determines whether a project is a 30-day demo license.
Syntax	<i>object</i> . LicenseProductDemo30Day (ProdID)
The Syntax for LicenseProductDemo30Day contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>ProdID</i>	Required expression of type Integer that specifies the product identifier.
Return Value	
This function returns a Boolean value indicating whether the product is a 30-day demo license.	
True: The product is a 30-day demo license.	
False: The product is not a 30-day demo license.	

LicenseProductName Method

Description	Returns the name of a licensed product.
Syntax	<i>object</i> . LicenseProductName (ProdID)
The Syntax for LicenseProductName contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>ProdID</i>	Required expression of type Integer that specifies the product identifier.
Return Value	
This function returns a String value indicating the name of the product.	

ListFilesWildcard Method

Description	Returns a list of all files that meet the specified filename/wildcard combination.
Syntax	<i>object</i> . ListFilesWildcard (FilePathToList)
The Syntax for ListFilesWildcard contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>FilePathToList</i>	Specifies the full path and wildcard file name of the file(s) to be listed.
Return Value	
This function returns a String value containing a tab delimited list of the full path to each found that met the specified file path and wildcard combination.	

MsgCapGetFileSetPageData Method

Description	Retrieves the message contents of the specified message within a file set.
Syntax	<i>object</i> . MsgCapGetFileSetPageData (FileSetPath, FileList)
The Syntax for MsgCapGetFileSetPageData contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>FileSetPath</i>	Required expression of type String that specifies the full path to any one of the file set files.
<i>FileList</i>	Required expression of type String that specifies the contents of the document's filelist value.
Return Value	
This function returns a String containing the message contents specified by the filelist.	

MsgCapOverwriteFileSetPageData Method

Description	Clears/overwrites the contents of the specified message within a file set.
Syntax	<i>object.</i> MsgCapOverwriteFileSetPageData (FileSetPath, FileList)
The Syntax for MsgCapOverwriteFileSetPageData contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>FileSetPath</i>	Required expression of type String that specifies the full path to any one of the file set files.
<i>FileList</i>	Required expression of type String that specifies the contents of the document's filelist value.
Return Value	
This function returns a Boolean indicating whether or not the contents were successfully overwritten.	

NowUTC Method

Description	Returns the current UTC (Coordinated Universal Time) date and time.
Syntax	<i>object</i> .NowUTC()
The Syntax for NowUTC contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
Return Value	
This function returns a Date value indicating the current UTC date and time.	

PasswordToMD5Hash Method

Description	Returns the MD5 Hash of a user's password.
Syntax	<i>object</i> . PasswordToMD5Hash (Password, UserID, EntityID)
The Syntax for PasswordToMD5Hash contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>Password</i>	Required expression of type String that specifies the password to extract the hash from.
<i>UserID</i>	Required expression of type Long that specifies the user's identifier (ID).
<i>EntityID</i>	Required expression of type Long that specifies the user's entity identifier (ID).
Return Value	
This function returns a String value indicating the MD5 Hash of the user's password.	

ReformatCurrencyValue Method

Description	Strips currency symbols from the specified currency value.
Syntax	<i>object</i> . ReformatCurrencyValue (Value)
The Syntax for ReformatCurrencyValue contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>Value</i>	Required expression of type String specifying the currency value to reformat.
Return Value	
This function returns a String value containing a the currency value without the currency symbols (i.e. passing a <i>Value</i> of “\$1.25” would return a value of “1.25”).	

SaveINISetting Method

Description	Saves a value to a specified INI file.
Syntax	<i>object</i> . SaveINISetting (SectionName, KeyName, Value, File)
The Syntax for SaveINISetting contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>SectionName</i>	Required expression of type String that specifies the section of the INI file to save the setting to.
<i>KeyName</i>	Required expression of type String that specifies the key name of the setting to save.
<i>Value</i>	Required expression of type String that specifies the actual value to save.
<i>File</i>	Required expression of type String that specifies the full path for the INI file to be saved to.
Return Value	
This function returns a Boolean value indicating whether the value was successfully saved.	
True: The value was successfully saved.	
False: An error occurred while saving the value.	

SearchTree Method

Description	Searches a directory and all subdirectories for files.
Syntax	<i>object</i> . SearchTree (DirToSearch, FileSpecs)
The Syntax for SearchTree contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>DirToSearch</i>	Required expression of type String that specifies the root directory in which to begin the search.
<i>FileSpecs</i>	Required expression of type String that specifies a pipe-delimited (“ ”) or tab-delimited list of files to search for. Wild cards are accepted. Sample: “*.DOC SAMPLE.XLS” will find all files that have a “.DOC” extension or are named “SAMPLE.XLS”.
Return Value	
This function returns a String value indicating a tab-delimited list of files (with their full paths) that were located.	

SearchTreeWithLimits Method

Description	Searches a directory and all subdirectories for files that meet the specified criteria.
Syntax	<i>object</i> . SearchTreeWithLimits (DirToSearch, FileExtensions, ExtensionLimitMode, MinModifiedDate, MaxModifiedDate)
The Syntax for SearchTreeWithLimits contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>DirToSearch</i>	Required expression of type String that specifies the root directory in which to begin the search.
<i>FileExtensions</i>	Required expression of type String that specifies a pipe-delimited (“ ”) or tab-delimited list of files to include or exclude.
<i>ExtensionLimitMode</i>	Required expression of type Integer indicating whether or not the <i>FileExtensions</i> specified should be required (1) or excluded (0).
<i>MinModifiedDate</i>	Required expression of type String indicating the minimum modified date of the files that will be returned.
<i>MaxModifiedDate</i>	Required expression of type String indicating the maximum modified date of the files that will be returned.
Return Value	
This function returns a String value indicating a tab-delimited list of files (with their full paths) that were located.	

ServiceGetStatus_PVDMAutoSvc Method

Description	Returns the status of the PaperVision Automation Service.
Syntax	<i>object</i> .ServiceGetStatus_PVDMAutoSvc()
The Syntax for ServiceGetStatus_PVDMAutoSvc contains these parts:	
Part	Description
<i>Object</i>	An expression that evaluates to an object of type: cUtility
Return Value	
This function returns a String value indicating the status of the PaperVision Automation Service.	

ServiceStart_PVDMAutoSvc Method

Description	Starts the PaperVision Automation Service on the local machine.
Syntax	<i>object</i> .ServiceStart_PVDMAutoSvc()
The Syntax for ServiceStart_PVDMAutoSvc contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
Return Value	
This function returns a Boolean value indicating whether the service was successfully started.	
True: The service was successfully started.	
False: The service could not be started.	

ServiceStop_PVDMAutoSvc Method

Description	Stops the PaperVision Automation Service on the local machine.
Syntax	<i>object</i> .ServiceStop_PVDMAutoSvc()
The Syntax for ServiceStop_PVDMAutoSvc contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
Return Value	
This function returns a Boolean value indicating whether the service was successfully stopped.	
True: The service was successfully stopped.	
False: The service could not be stopped.	

ShellExec Method

Description	Performs a “Shell” command to launch the specified file or application. You can obtain additional information pertaining to this method by searching for “ShellExecute” in Microsoft’s support web site.
Syntax	<i>object</i> . ShellExec (hWnd, Operation, FilePath, Parameters, Directory, ShowCmd, RetValue, RetInfo)
The Syntax for ShellExec contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>hWnd</i>	Required expression of type Long specifying the handle to the parent window.
<i>Operation</i>	Required expression of type String specifying the action to be performed.
<i>FilePath</i>	Required expression of type String specifying the full path to the file or application to be launched.
<i>Parameters</i>	Required expression of type String specifying the parameters to be passed to the application.
<i>Directory</i>	Required expression of type String specifying the default directory.
<i>ShowCmd</i>	Required expression of type Long specifying how an application is to be displayed.
<i>RetValue</i>	Required expression of type Integer returning the return value of the ShellExecute command.
<i>RetInfo</i>	Required expression of type String returning the error relating to the <i>RetValue</i> parameter.
Return Value	
This function returns a Boolean value indicating whether the shell operation completed successfully.	
True: The operation completed successfully.	
False: The operation failed to complete.	

SizeDir Method

Description	Determines the size of all of the files contained in a directory.
Syntax	<i>object</i> . SizeDir (DirToSize)
The Syntax for SizeDir contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>DirToSize</i>	Required expression of type String specifying the directory to size.
Return Value	
This function returns a Double value indicating the accumulated number of bytes contained in all of the files that exist in the specified directory.	

SizeFiles Method

Description	Determines the size of all of the files contained in a directory that meet the specified wildcard combination.
Syntax	<i>object</i> . SizeDir (FilePathSpecToSize)
The Syntax for SizeFiles contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>FilePathSpecToSize</i>	Required expression of type String specifying the full path and wildcard file names to size (i.e. "C:\Test*.TXT").
Return Value	
This function returns a Double value indicating the accumulated number of bytes contained in all of the files that exist in the specified directory that meet the specified wildcard.	

SizeTree Method

Description	Determines the size of all of the files contained in a directory and any directories within the specified directory.
Syntax	<i>object</i> . SizeTree (DirToSize, UpdateStatusIncrement)
The Syntax for SizeTree contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: <i>cUtility</i>
<i>DirToSize</i>	Required expression of type String specifying the directory to size.
<i>UpdateStatusIncrement</i>	Required expression of type Long specifying the number of files that must pass before the <i>StatusUpdate</i> event is fired.
Return Value	
This function returns a Double value indicating the accumulated number of bytes contained in all of the files that exist in the specified directory or any subdirectories.	

UnformatNumber Method

Description	Strips any characters that are not numeric, negative indicators, or the computer's decimal character (as determined by the computer's locale setting).
Syntax	<i>object</i> . UnformatNumber (Value, IgnoreCharacters)
The Syntax for UnformatNumber contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>Value</i>	Required expression of type String specifying the currency or numeric value to unformat.
<i>IgnoreCharacters</i>	Optional expression of type String specifying any additional characters that should be allowed to remain in the returned string.
Return Value	
This function returns a String value containing the remaining characters that are not numeric, negative indicators, or the computer's decimal character. Negative indicators include “-“, “(“, and “)” characters (i.e. passing a <i>Value</i> of “-\$1.25” would return a value of “-1.25”).	

UserLogonAsService Method

Description	Grants the specified windows user account the “Logon As a Service” privilege on the local computer. This operation must be run in the context of a local system administrator of the Windows computer.
Syntax	<i>object</i> . UserLogonAsService (UserName)
The Syntax for UserLogonAsService contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>UserName</i>	Required expression of type String specifying the user name in DOMAIN\UserName format. If a domain is not specified it is assumed that the username represents a local computer account.
Return Value	
This function returns a Boolean value indicating whether the operation was successful.	
True: The user was granted the requested privilege.	
False: The operation failed.	

WriteJournalLog Method

Description	Writes a replication journal log entry.
Syntax	<i>object</i> . WriteJournalLog (EntryType, FileList, JournalPath)
The Syntax for WriteJournalLog contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>EntryType</i>	Required expression of type String specifying the operation to be written to the journal log.
<i>FileList</i>	Required expression of type String specifying either the directory or a list of files that the operation is to take place on. If a list of files is used, the files should be delimited by either a tab character or a CRLF (carriage return, line feed combination).
<i>JournalPath</i>	Required expression of type String specifying journal entry path for the local system.
Return Value	
This function returns a Boolean value indicating whether the operation was successful.	
True: The entry was written.	
False: The operation failed.	

cUtility Component Events

OperationUpdate Event

Description	Occurs when the operation changes. This is generally used to display the current processing status.
Syntax	Sub <i>object</i> _ OperationUpdate (Operation As String, Cancel As Boolean)
The OperationUpdate event parameters are:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>Operation</i>	An expression of type String that specifies the operation currently running.
<i>Cancel</i>	An expression of type Boolean that can be set to <i>True</i> to cancel the current operation.

StatusUpdate Event

Description	Occurs when the status of the current operation changes. This is generally used to display the current processing status.
Syntax	Sub <i>object</i> _ StatusUpdate (Status As String, Cancel As Boolean)
The StatusUpdate event parameters are:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: cUtility
<i>Status</i>	An expression of type String that specifies the status of the current operation.
<i>Cancel</i>	An expression of type Boolean that can be set to <i>True</i> to cancel the current operation.

Chapter 3 – System Control

Overview

The PaperVision System Control contains one component: the *PVAction* component which contains all of the server-side functionality offered by the PaperVision Enterprise product. It also includes the integration for web services integration through the *HTTPHandler* method. This control fully enforces all security settings and user right settings, eliminating the need to enforce these through your own code.

Most of the calls within the *PVAction* component require a “SessionID” parameter. This value is obtained through the first *LoginUserEx3* method call and is valid until the *KillSession* method call is made (or the session times out). Additionally, many of the calls require a “SourceIP” parameter. This parameter is generally used for the web services capabilities of PaperVision Enterprise and is automatically calculated by the server you are contacting. As such, you can leave this value blank (empty string) and let the PaperVision Enterprise server determine your computer’s IP address.

Returned XML Documents

Many of the method calls exposed through this component return a string containing an XML document with the results of the method calls. This is designed to ease the implementation of web services as well as negate the need to work with complex classes for returned results. Although many of these method calls provide additional information, there is a basic set of information that is returned with each of those XML documents:

```
<?xml version="1.0" standalone="yes" ?>
<PVDMethod>
  <!-- EntityIDHere below would be replaced with the user's Entity ID -->
  <ENTITYID>EntityIDHere</ENTITYID>
  <!-- SessionStatusHere below would be replaced with either (0) session is no longer valid, (1) session
  is valid -->
  <GOODSESSION>SessionStatusHere</GOODSESSION>
  <!-- SessionIDHere below would be replaced with an encrypted session ID -->
  <SESSIONID>SessionIDHere</SESSIONID>
  <!-- AdminStatusHere below would be replaced with either (0) user is not an entity administrator, (1)
  user is an entity administrator -->
  <ENTITYADMINSYSTEM>AdminStatusHere</ENTITYADMINSYSTEM>
  <!-- AdminStatusHere below would be replaced with either (0) user is not a workflow administrator, (1)
  user is a workflow administrator -->
  <ENTITYADMINWORKFLOW>AdminStatusHere</ENTITYADMINWORKFLOW>
  <!-- UserInfoHere below would be replaced with the user's name -->
  <USERNAME>UserInfoHere</USERNAME>
  <!-- UserInfoHere below would be replaced with the user's full name -->
  <USERFULLNAME>UserInfoHere</USERFULLNAME>
  <!-- UserInfoHere below would be replaced with the user's ID -->
  <USERID>UserInfoHere</USERID>
  <!-- SysInfoHere below would be replaced with either (0) system is NOT in demo mode, (1) system is
  in demo mode -->
  <DEMOMODE>SysInfoHere</DEMOMODE>
  <!-- SysInfoHere below would be replaced with either (0) entity is NOT licensed for workflow, (1) entity
  is licensed for workflow -->
  <LICWORKFLOW>SysInfoHere</LICWORKFLOW>
  <!-- UserInfoHere below would be replaced with the number of notifications waiting -->
  <NOTIFYCOUNT>UserInfoHere</NOTIFYCOUNT>
  <!-- UserInfoHere below would be replaced with the user's settings -->
  <USERSETTINGS>UserInfoHere</USERSETTINGS>
  <!-- UserInfoHere below would be replaced with either (0) user does NOT have access to workflows,
  (1) user does have access to workflows -->
  <USERWORKFLOW>UserInfoHere</USERWORKFLOW>
</PVDMethod>
```

If an error occurs during processing, the following section is added to the document shown above:

```
<ERROR>  
  <NUMBER>ErrorNumberHere</NUMBER>  
  <SOURCE>ErrorSourceHere</SOURCE>  
  <DESCRIPTION>ErrorDescriptionHere</DESCRIPTION>  
</ERROR>
```


PVAction Component Properties

RedirectReq Property

Description	Returns the REDIRECTREQ setting from the PVD.M.INI file which specifies which URL (if any) the current server is redirecting its requests to.
Syntax	<i>object</i> . RedirectReq
The SystemUnattended property syntax has these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>RedirectReq</i>	An expression of type String indicating the URL the current server is redirecting its requests to (or blank if no redirection is taking place).

RedirectWebFileOps Property

Description	Returns whether or not the server is forwarding web files to another server (embedded in the XML data stream) or is handling the file operations itself. This is based on the REDIRECTWEBFILEOPS setting in the PVDM.INI file on the server.
Syntax	<i>object</i> . RedirectWebFileOps
The SystemUnattended property syntax has these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>RedirectWebFileOps</i>	An expression of type Boolean indicating TRUE if the server is forwarding web files to another server (embedded in the XML data stream) instead of handling the file operations itself.

SystemUnattended Property

Description	Returns whether or not the DLL is running in Unattended mode with no user interface.
Syntax	<i>object</i> . SystemUnattended
The SystemUnattended property syntax has these parts:	
Part	Description
<hr/>	
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>SystemUnattended</i>	An expression of type Boolean indicating whether or not the DLL is running in Unattended mode.

SystemVersion Property

Description	Returns system version for the PVDMSys.DLL file.
Syntax	<i>object</i> . SystemVersion
The SystemVersion property syntax has these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>SystemVersion</i>	An expression of type String indicating the version of the PVDMSys.DLL file.

WebURL Property

Description	Returns the URL that has been configured for the local server as the <i>Web URL</i> in the Administration Console.
Syntax	<i>object</i> . WebURL
The WebURL property syntax has these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>WebURL</i>	An expression of type String indicating the <i>Web URL</i> setting.

PVAction Component Methods

ADAddCodeEx Method

Description	Adds a new custom code definition.
Syntax	<i>object</i> . ADAddCodeEx (EntityID, SessionID, SourceIP, ProjID, CodeType, CodeName, CodeText)
The Syntax for ADAddCodeEx contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID for the related custom code definition (zero, if not related to a project).
<i>CodeType</i>	Required expression of type Integer specifying a code type: 0=Miscellaneous 1 = Workflow Automated Custom Code 2 = Workflow Manual Custom Code
<i>CodeName</i>	Required expression of type String specifying an optional code name/identifier. Uniqueness of this expression is not enforced.
<i>CodeText</i>	Required expression of type String specifying the custom code text to be saved.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the new Code ID that was generated.	

ADAddDiscReasons Method

Description	Adds disclosure reasons to the existing list of enhanced auditing disclosure reasons.
Syntax	<i>object</i> . ADAddDiscReasons (EntityID, SessionID, SourceIP, ProjID, ReasonList)
The Syntax for ADAddDiscReasons contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID of the project to be modified.
<i>ReasonList</i>	Required expression of type String specifying a tab, comma, or pipe-delimited list (" ") of disclosure reasons to add.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current disclosure reasons for the project.	

ADAddDiscRecips Method

Description	Adds disclosure recipients to the existing list of enhanced auditing disclosure recipients.
Syntax	<i>object</i> . ADAddDiscRecips (EntityID, SessionID, SourceIP, ProjID, RecipList)
The Syntax for ADAddDiscRecips contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID of the project to be modified.
<i>RecipList</i>	Required expression of type String specifying a tab, comma, or pipe-delimited list (" ") of disclosure recipients to add.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current disclosure recipients for the project.	

ADAddEformSecurityAccess Method

Description	Adds security access rights to an e-form definition.
Syntax	<i>object</i> . ADAddEformSecurityAccess (EntityID, SessionID, SourceIP, EformID, UserList, GroupList, EformRights, RightData)
The Syntax for ADAddEformSecurityAccess contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>EformID</i>	Required expression of type Long specifying the E-form ID of the e-form definition to be modified.
<i>UserList</i>	Required expression of type String specifying a tab, comma, or pipe-delimited list (" ") of user ID's to whom this new security access right is to be applied.
<i>GroupList</i>	Required expression of type String specifying a tab, comma, or pipe-delimited list (" ") of group ID's to whom this new security access right is to be applied.
<i>EformRights</i>	Required expression of type Long specifying the rights to be applied for the specified e-form definition.
<i>RightData</i>	Required expression of type String specifying an XML document containing right specifications.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADAddGroup Method

Description	Adds a new security group to the entity.
Syntax	<i>object</i> . ADAddGroup (EntityID, SessionID, SourceIP, GroupName, UserList, GroupSettings)
The Syntax for ADAddGroup contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>GroupName</i>	Required expression of type String specifying the name of the new group.
<i>UserList</i>	Required expression of type String specifying a comma-delimited list of user ID's for the users who are members of the group.
<i>GroupSettings</i>	Required expression of type String. Reserved for future use.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the new group ID for the group.	

ADAddProjSecurityAccessEx Method

Description	Adds security access rights to a project
Syntax	<i>object</i> . ADAddProjSecurityAccessEx (EntityID, SessionID, SourceIP, ProjID, UserList, GroupList, ProjectRights, RightData)
The Syntax for ADAddProjSecurityAccessEx contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID of the project to be modified.
<i>UserList</i>	Required expression of type String specifying a tab, comma, or pipe-delimited list (" ") of user ID's to whom this new security access right is to be applied.
<i>GroupList</i>	Required expression of type String specifying a tab, comma, or pipe-delimited list (" ") of group ID's to whom this new security access right is to be applied.
<i>ProjectRights</i>	Required expression of type Long specifying the rights to be applied for the specified project.
<i>RightData</i>	Required expression of type String specifying an XML document containing right specifications.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADAddProject Method

Description	Creates a new project.
Syntax	<i>object</i> . ADAddProject (EntityID, SessionID, SourceIP, ProjName)
The Syntax for ADAddProject contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjName</i>	Required expression of type String specifying the name of the new project to create.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADAddProjectField Method

Description	Adds a new document index field to an existing project.
Syntax	<i>object</i> . ADAddProjectField (EntityID, SessionID, SourceIP, ProjID, FieldXML)
The Syntax for ADAddProjectField contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID of the project to be modified.
<i>FieldXML</i>	<p>Required expression of type String specifying an XML document that contains the updated values as shown below:</p> <pre><FIELD FIELDNUM="Field Num Here"> <NAME>Field Name Here</NAME> <TYPE>Type Here</TYPE> <FORMAT>Format Here</FORMAT> <WILDCARD>Wildcard Value Here</WILDCARD> <REQUIRED>Required Value Here</REQUIRED> </ FIELD></pre> <p>The FIELDNUM value specifies the number of the field within the project. This value should always be the number of existing fields + 1.</p> <p>The NAME value specifies the name of the new index field.</p> <p>The TYPE value specifies the type of field to add (must be one of the following):</p> <ul style="list-style-type: none"> • Boolean • Currency • Date • Double Number • Long Text

	<ul style="list-style-type: none"> • Number • Text <p>The FORMAT value specifies the formatting to be used for the field (i.e. “mmm dd, yyyy”). Note that currency-type fields need to have a format of “Currency” defined. Long text, number, and text-type fields do not support any field format, so simply leave the value blank for these types of fields.</p> <p>The WILDCARD value specifies where in a standard search, the system will automatically inject wildcards:</p> <ul style="list-style-type: none"> • 0 = None • 1 = Start of criteria • 2 = End of criteria • 3 = Start and end of criteria <p>The REQUIRED value specified whether or not the field is “required to continue importing”.</p> <ul style="list-style-type: none"> • 0 = not required • 1 = required
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADAddUserEx Method

Description	Creates a new user account.
Syntax	<i>object</i> . ADAddUserEx (EntityID, SessionID, SourceIP, UserName, FullName, Password, ExpirePwd, ChangePwd, UserType, Email)
The Syntax for ADAddUserEx contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>UserName</i>	Required expression of type String specifying the user name used to log into the system.
<i>FullName</i>	Required expression of type String specifying the full name of the user. This value can be left blank.
<i>Password</i>	Required expression of type String specifying the password of the new user.
<i>ExpirePwd</i>	Required expression of type Integer specifying whether or not the user should be required to change their password the next time they log in: <ul style="list-style-type: none"> • 0 = user will not be required to change password • 1 = user will be required to change password
<i>ChangePwd</i>	Required expression of type Integer specifying whether or not the user has the ability to change their password when desired: <ul style="list-style-type: none"> • 0 = user cannot change password when desired • 1 = user can change password when desired
<i>UserType</i>	Required expression of type Long specifying the type of user: <ul style="list-style-type: none"> • 0 = user • 1 = Entity system administrator • 2 = Entity workflow administrator
<i>Email</i>	Required expression of type String specifying the user's email address.
Return Value	

This function returns a String value indicating the XML document containing the results of the method call. See *Returned XML Documents* for more information. It also contains the new user ID for the user.

ADApplyDocSecLevelEx Method

Description	Applies (or submits for application) a document security level to all of the current documents based on its pre-defined selection criteria.
Syntax	<i>object</i> . ADApplyDocSecLevelEx (EntityID, SessionID, SourceIP, ProjID, LevelID)
The Syntax for ADApplyDocSecLevelEx contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID of the project to be modified.
<i>LevelID</i>	Required expression of type Long specifying the document security level ID to apply.
<i>SubmitOnly</i>	Required expression of type Boolean specifying whether or not a maintenance queue item should be created. This will allow the PaperVision automation server to apply the security level, rather than the client having to wait for the often time consuming operation to complete.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains a list of the currently defined document security levels for the project and an APPLYCOUNT value specifying the number of documents the level was added to.	

ADArchiveDocAccessReport Method

Description	Archives all of the records in the document access report.
Syntax	<i>object</i> . ADArchiveDocAccessReport (EntityID, SessionID, SourceIP)
The Syntax for ADArchiveDocAccessReport contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADArchiveSysOpReport Method

Description	Archives all of the records in the system operations/queries report.
Syntax	<i>object</i> . ADArchiveSysOpReport (EntityID, SessionID, SourceIP)
The Syntax for ADArchiveSysOpReport contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADArchiveWFHistoryReport Method

Description	Archives all of the records in the workflow history report.
Syntax	<i>object</i> . ADArchiveWFHistoryReport (EntityID, SessionID, SourceIP)
The Syntax for ADArchiveWFHistoryReport contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADBackupDataGroupsFiltered Method

Description	Submits the specified data groups for full backups.
Syntax	<i>object</i> . ADBackupDataGroupsFiltered (EntityID, SessionID, SourceIP, DGIDList, DGNameList, EncryptKeyID, EncryptKeyName, Filter)
The Syntax for ADBackupDataGroupsFiltered contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>DGIDList</i>	Required expression of type String specifying a tab or pipe-delimited list of data group ID's to be submitted for backup.
<i>DGNameList</i>	Required expression of type String specifying a tab or pipe-delimited list of data group names to be submitted for backup.
<i>EncryptKeyID</i>	Required expression of type Long specifying the ID of the encryption key to be used (or zero if no encryption).
<i>EncryptKeyName</i>	Required expression of type String specifying the name of the encryption key to be used (or blank/empty if no encryption).
<i>Filter</i>	Required expression of type String the filter to apply. The filter is a pipe (“ ”) delimited list in the following format: DGNAME DGTYPE LASTUPDATEFROM^LASTUPDATETO PROJID ORIGINALDGNAME
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains a list of the data groups that meet the filter criteria.	

ADCacheArchive Method

Description	Caches a report archive to the server for retrieval.
Syntax	<i>object</i> . ADCacheArchive (EntityID, SessionID, SourceIP, ArchiveID)
The Syntax for ADCacheArchive contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ArchiveID</i>	Required expression of type Long specifying the Archive ID of the archive to cache.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains a CACHEURL value providing the URL to the cached archive as well as a FILE value specifying the name of the cached file.	

ADCleanupRecRetLists Method

Description	Cleans up all records retention lists for the specified project by recalculating the number of documents in each list and removing any lists which no longer have any documents. After the cleanup process is completed, it then lists the remaining records retention lists for the project.
Syntax	<i>object</i> . ADCleanupRecRetLists (EntityID, SessionID, SourceIP, ProjID)
The Syntax for ADCleanupRecRetLists contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID to cleanup and list the items for. If a value of zero (0) is specified, all records retention lists for all projects will be processed.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of records retention lists as well as a NUMLISTSMODIFIED value which indicates the number of lists that were either modified (due to document counts changing) or removed (due to no longer containing any documents).	

ADCreateNewAttachmentDG Method

Description	Creates a new attachment data group. All new attached/added documents and new document versions will be written to the newest attachment data group.
Syntax	<i>object</i> .ADCreateNewAttachmentDG(EntityID, SessionID, SourceIP)
The Syntax for ADCreateNewAttachmentDG contains these parts:	
Part	Description
<i>Object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of all of the data groups for the specified entity.	

ADCreateNewAttachmentDGFiltered Method

Description	Creates a new attachment data group. All new attached/added documents and new document versions will be written to the newest attachment data group.
Syntax	<i>object</i> . ADCreateNewAttachmentDGFiltered (EntityID, SessionID, SourceIP, Filter)
The Syntax for ADCreateNewAttachmentDGFiltered contains these parts:	
Part	Description
<i>Object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>Filter</i>	Required expression of type String the filter to apply. The filter is a pipe (“ ”) delimited list in the following format: DGNAME DGTYPE LASTUPDATEFROM^LASTUPDATETO PROJID ORIGINALDGNAME
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of all of the data groups for the specified entity that meet the filter criteria.	

ADDecryptDataGroupsFiltered Method

Description	Submits the specified data groups for decryption.
Syntax	<i>object.</i> ADDecryptDataGroupsFiltered (EntityID, SessionID, SourceIP, DGIDList, Filter)
The Syntax for ADDecryptDataGroupsFiltered contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>DGIDList</i>	Required expression of type String specifying a tab or pipe-delimited list of data group ID's to be submitted for decryption.
<i>Filter</i>	Required expression of type String specifying the filter to apply. The filter is a pipe (“ ”) delimited list in the following format: DGNAME DGTYPE LASTUPDATEFROM^LASTUPDATETO PROJID ORIGINALDGNAME
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains a list of the data groups that meet the filter criteria and a MESSAGE value that indicates the results of the call.	

ADDeleteBackupJobs Method

Description	Deletes backup jobs.
Syntax	<i>object</i> . ADDeleteBackupJobs (EntityID, SessionID, SourceIP, NameList, IDList)
The Syntax for ADDeleteBackupJobs contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>NameList</i>	Required expression of type String specifying the names of the deleted jobs. This value is used solely for security tracking reporting purposes.
<i>IDList</i>	Required expression of type String specifying a pipe (“ ”) or tab-delimited list of job ID's to delete.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the backup jobs for the entity.	

ADDeleteCodes Method

Description	Deletes custom code definitions.
Syntax	<i>object</i> . ADDeleteCodes (EntityID, SessionID, SourceIP, IDList)
The Syntax for ADDeleteCodes contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>IDList</i>	Required expression of type String specifying a comma-delimited list of Code ID's to delete.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADDeleteDiscReasons Method

Description	Removes disclosure reasons from the existing list of enhanced auditing disclosure reasons.
Syntax	<i>object</i> . ADDeleteDiscReasons (EntityID, SessionID, SourceIP, ProjID, ReasonList)
The Syntax for ADDeleteDiscReasons contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID of the project to be modified.
<i>ReasonList</i>	Required expression of type String specifying a pipe (“ ”) or tab-delimited list of disclosure reasons to remove.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current disclosure reasons for the project.	

ADDeleteDiscRecips Method

Description	Removes disclosure recipients from the existing list of enhanced auditing disclosure recipients.
Syntax	<i>object</i> . ADDeleteDiscRecips (EntityID, SessionID, SourceIP, ProjID, RecipList)
The Syntax for ADDeleteDiscRecips contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID of the project to be modified.
<i>RecipList</i>	Required expression of type String specifying a pipe (“ ”) or tab-delimited list of disclosure recipients to remove.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current disclosure recipients for the project.	

ADDeleteDocAssocs Method

Description	Deletes document associations for a project.
Syntax	<i>object</i> . ADDeleteDocAssocs (EntityID, SessionID, SourceIP, ProjID, NameList, AssocIDList)
The Syntax for ADDeleteDocAssocs contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID of the project to be modified.
<i>NameList</i>	Required expression of type String specifying the names of the deleted document associations. This value is used solely for security tracking reporting purposes.
<i>AssocIDList</i>	Required expression of type String specifying a pipe (“ ”) or tab-delimited list of document association ID's to delete.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current document associations for the project.	

ADDeleteDocGrants Method

Description	Removes document grants.
Syntax	<i>object</i> . ADDeleteDocGrants (EntityID, SessionID, SourceIP, InfoList, GrantIDList)
The Syntax for ADDeleteDocGrants contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>InfoList</i>	Required expression of type String specifying the creation times for the deleted document grants. This value is used solely for security tracking reporting purposes.
<i>GrantIDList</i>	Required expression of type String specifying a pipe (“ ”) or tab-delimited list of document grant ID's to delete.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current document grants.	

ADDeleteDocSecLevels Method

Description	Deletes a document security level for a project.
Syntax	<i>object</i> . ADDeleteDocSecLevels (EntityID, SessionID, SourceIP, ProjID, NameList, LevelIDList)
The Syntax for ADDeleteDocSecLevels contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID of the project to be modified.
<i>NameList</i>	Required expression of type String specifying the names of the deleted document security levels. This value is used solely for security tracking reporting purposes.
<i>LevelIDList</i>	Required expression of type String specifying a pipe (“ ”) or tab-delimited list of document security level ID's to delete.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current document security levels for the project.	

ADDeleteEformDefs Method

Description	Deletes e-form definitions (and all associated versions).
Syntax	<i>object</i> . ADDeleteEformDefs (EntityID, SessionID, SourceIP, NameList, IDList)
The Syntax for ADDeleteEformDefs contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>NameList</i>	Required expression of type String specifying the names of the deleted definitions. This value is used solely for security tracking reporting purposes.
<i>IDList</i>	Required expression of type String specifying a pipe (" "), tab, or comma-delimited list of form ID's to delete.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the form definitions for the entity.	

ADDeleteEformSecurityAccess Method

Description	Removes e-form security access levels.
Syntax	<i>object</i> . ADDeleteEformSecurityAccess (EntityID, SessionID, SourceIP, EformID, RightIDList)
The Syntax for ADDeleteEformSecurityAccess contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>EformID</i>	Required expression of type Long specifying the E-form ID of the e-form definition to be modified.
<i>RightIDList</i>	Required expression of type String specifying the e-form right ID's to be deleted.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current e-form security access levels.	

ADDeleteEncryptKeys Method

Description	Deletes encryption keys.
Syntax	<i>object</i> . ADDeleteEncryptKeys (EntityID, SessionID, SourceIP, NameList, KeyIDList)
The Syntax for ADDeleteEncryptKey contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>NameList</i>	Required expression of type String specifying the names of the deleted keys. This value is used solely for security tracking reporting purposes.
<i>KeyIDList</i>	Required expression of type String specifying a pipe (“ ”) or tab-delimited list of key ID's to delete.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the encryption keys for the entity.	

ADDeleteERMJobs Method

Description	Deletes report management jobs.
Syntax	<i>object</i> . ADDeleteERMJobs (EntityID, SessionID, SourceIP, ProjID, NameList, ERMJobIDList)
The Syntax for ADDeleteERMJobs contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID that the jobs are being deleted from.
<i>NameList</i>	Required expression of type String specifying the names of the deleted jobs. This value is used solely for security tracking reporting purposes.
<i>ERMJobIDList</i>	Required expression of type String specifying a pipe (“ ”) or tab-delimited list of job ID's to delete.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the ERM jobs for the project.	

ADDeleteERMProcErrors Method

Description	Deletes report management process errors.
Syntax	<i>object</i> . ADDeleteERMProcErrors (EntityID, SessionID, SourceIP, ItemIDList)
The Syntax for ADDeleteERMProcErrors contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ItemIDList</i>	Required expression of type String specifying a pipe (“ ”) or tab-delimited list of error ID's to delete.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the ERM process errors.	

ADDeleteGroups Method

Description	Deletes system security groups.
Syntax	<i>object</i> . ADDeleteGroups (EntityID, SessionID, SourceIP, NameList, GroupIDList)
The Syntax for ADDeleteGroups contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>NameList</i>	Required expression of type String specifying the names of the deleted groups. This value is used solely for security tracking reporting purposes.
<i>GroupIDList</i>	Required expression of type String specifying a pipe (“ ”) or tab-delimited list of group ID's to delete.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current groups.	

ADDeleteIntDefs Method

Description	Deletes integration definitions.
Syntax	<i>object</i> . ADDeleteIntDefs (EntityID, SessionID, SourceIP, ProjID, NameList, IntDefIDList)
The Syntax for ADDeleteIntDefs contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID that the definitions are being deleted from.
<i>NameList</i>	Required expression of type String specifying the names of the deleted definitions. This value is used solely for security tracking reporting purposes.
<i>IntDefIDList</i>	Required expression of type String specifying a pipe (“ ”) or tab-delimited list of definition ID's to delete.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the integration definitions for the project.	

ADDeleteLockouts Method

Description	Removes user lockout entries to “unlock” users.
Syntax	<i>object</i> . ADDeleteLockouts (EntityID, SessionID, SourceIP, NameList, LockoutIDList)
The Syntax for ADDeleteLockouts contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user’s session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>NameList</i>	Required expression of type String specifying the names of the users to be unlocked. This value is used solely for security tracking reporting purposes.
<i>LockoutIDList</i>	Required expression of type String specifying a pipe (“ ”) or tab-delimited list of user ID’s to unlock.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current lockouts.	

ADDeleteMigrations Method

Description	Deletes migration jobs from the system. This does not physically remove any data groups created by running a migration job.
Syntax	<i>object</i> . ADDeleteMigrations (EntityID, SessionID, SourceIP, NameList, MigIDList)
The Syntax for ADDeleteMigrations contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>NameList</i>	Required expression of type String specifying the names of the deleted migration job. This value is used solely for security tracking reporting purposes.
<i>MigIDList</i>	Required expression of type String specifying a pipe (“ ”) or tab-delimited list of migration job ID's to delete.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current migration jobs.	

ADDeleteMsgCapturePolicySets Method

Description	Deletes message capture policy sets from the system.
Syntax	<i>object.</i> ADDeleteMsgCapturePolicySets (EntityID, SessionID, SourceIP, NameList, IDList)
The Syntax for ADDeleteMsgCapturePolicySets contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>NameList</i>	Required expression of type String specifying the names of the deleted policy sets. This value is used solely for security tracking reporting purposes.
<i>IDList</i>	Required expression of type String specifying a pipe (“ ”) or tab-delimited list of policy set ID's to delete.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current message capture policy sets.	

ADDeleteProjects Method

Description	Deletes projects and all associated documents, workflows, full-text databases, etc. This does NOT physically remove any document FILES associated with the projects.
Syntax	<i>object</i> . ADDeleteProjects (EntityID, SessionID, SourceIP, NameList, ProjIDList)
The Syntax for ADDeleteProjects contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>NameList</i>	Required expression of type String specifying the names of the deleted project. This value is used solely for security tracking reporting purposes.
<i>ProjIDList</i>	Required expression of type String specifying a pipe (“ ”) or tab-delimited list of project ID's to delete.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current projects.	

ADDeleteProjSecurityAccess Method

Description	Removes project security access levels.
Syntax	<i>object</i> . ADDeleteProjSecurityAccess (EntityID, SessionID, SourceIP, ProjID, RightIDList)
The Syntax for ADDeleteProjSecurityAccess contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID of the project to be modified.
<i>RightIDList</i>	Required expression of type String specifying the project right ID's to be deleted.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current project security access levels.	

ADDeleteRecRetLists Method

Description	Deletes records retention policy sets from the system.
Syntax	<i>object</i> . ADDeleteRecRetLists (EntityID, SessionID, SourceIP, ProjID, NameList, IDList)
The Syntax for ADDeleteRecRetLists contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID the specified lists are defined for.
<i>NameList</i>	Required expression of type String specifying the names of the deleted lists. This value is used solely for security tracking reporting purposes.
<i>IDList</i>	Required expression of type String specifying a pipe (“ ”) or tab-delimited list of list ID's to delete.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current records retention lists.	

ADDeleteRecRetPolicySets Method

Description	Deletes records retention policy sets from the system.
Syntax	<i>object</i> . ADDeleteRecRetPolicySets (EntityID, SessionID, SourceIP, ProjID, NameList, IDList)
The Syntax for ADDeleteRecRetPolicySets contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID the specified policy sets are defined for.
<i>NameList</i>	Required expression of type String specifying the names of the deleted policy sets. This value is used solely for security tracking reporting purposes.
<i>IDList</i>	Required expression of type String specifying a pipe (“ ”) or tab-delimited list of policy set ID's to delete.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current records retention policy sets.	

ADDeleteUsers Method

Description	Deletes user accounts from the system.
Syntax	<i>object</i> . ADDeleteUsers (EntityID, SessionID, SourceIP, NameList, UserIDList)
The Syntax for ADDeleteUsers contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>NameList</i>	Required expression of type String specifying the names of the deleted users. This value is used solely for security tracking reporting purposes.
<i>UserIDList</i>	Required expression of type String specifying a pipe (“ ”) or tab-delimited list of user ID's to delete.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current users.	

ADDeleteWorkFlowDefs Method

Description	Deletes workflow definitions and all associated active workflow instances.
Syntax	<i>object</i> . ADDeleteWorkFlowDefs (EntityID, SessionID, SourceIP, ProjID, NameList, WFDefIDList)
The Syntax for ADDeleteWorkFlowDefs contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID of the project to be modified.
<i>NameList</i>	Required expression of type String specifying the names of the deleted workflow definitions. This value is used solely for security tracking reporting purposes.
<i>WFDefIDList</i>	Required expression of type String specifying a pipe (“ ”) or tab-delimited list of workflow definition ID's to delete.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current workflow definitions for the project.	

ADEncryptDataGroupsFiltered Method

Description	Submits the specified data groups for encryption.
Syntax	<i>object</i> . ADEncryptDataGroupsFiltered (EntityID, SessionID, SourceIP, DGIDList, Filter)
The Syntax for ADEncryptDataGroupsFiltered contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>DGIDList</i>	Required expression of type String specifying a tab or pipe-delimited list of data group ID's to be submitted for encryption.
<i>Filter</i>	Required expression of type String specifying the filter to apply. The filter is a pipe (“ ”) delimited list in the following format: DGNAME DGTYPE LASTUPDATEFROM^LASTUPDATETO PROJID ORIGINALDGNAME
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains a list of the data groups that meet the filter criteria and a MESSAGE value that indicates the results of the call.	

ADExpireAllPasswords Method

Description	Forces all users to change their password on their next login.
Syntax	<i>object.ADExpireAllPasswords</i> (EntityID, SessionID, SourceIP)
The Syntax for ADExpireAllPasswords contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADExportDocAccessReport Method

Description	Returns an XML stream containing the document access report entries.
Syntax	<i>object</i> . ADExportDocAccessReport (EntityID, SessionID, SourceIP, FilterList)
The Syntax for ADExportDocAccessReport contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>FilterList</i>	Required expression of type String specifying any filter conditions to apply.
Return Value	
This function returns a String value containing the XML stream representing the exported document access report.	

ADExportSysOpReport Method

Description	Returns an XML stream containing the system operations/queries report entries.
Syntax	<i>object</i> . ADExportSysOpReport (EntityID, SessionID, SourceIP, FilterList)
The Syntax for ADExportSysOpReport contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>FilterList</i>	Required expression of type String specifying any filter conditions to apply.
Return Value	
This function returns a String value containing the XML stream representing the exported system operations/queries report.	

ADExportUtilReport Method

Description	Returns an XML stream containing the utilization report entries.
Syntax	<i>object</i> . ADExportUtilReport (EntityID, SessionID, SourceIP, FilterList)
The Syntax for ADExportUtilReport contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>FilterList</i>	Required expression of type String specifying any filter conditions to apply.
Return Value	
This function returns a String value containing the XML stream representing the exported utilization report.	

ADExportWFHistoryReport Method

Description	Returns an XML stream containing the workflow history report entries.
Syntax	<i>object</i> . ADExportWFHistoryReport (EntityID, SessionID, SourceIP, FilterList)
The Syntax for ADExportWFHistoryReport contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>FilterList</i>	Required expression of type String specifying any filter conditions to apply.
Return Value	
This function returns a String value containing the XML stream representing the exported workflow history report.	

ADExportWFStatusReport Method

Description	Returns an XML stream containing the workflow status report entries.
Syntax	<i>object</i> . ADExportWFStatusReport (EntityID, SessionID, SourceIP, FilterList)
The Syntax for ADExportWFStatusReport contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>FilterList</i>	Required expression of type String specifying any filter conditions to apply.
Return Value	
This function returns a String value containing the XML stream representing the exported workflow status report.	

ADGetBackupLogs Method

Description	Retrieves a delimited list of the backup logs for an entity.
Syntax	<i>object</i> . ADGetBackupLogs (EntityID, SessionID, SourceIP)
The Syntax for ADGetBackupLogs contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains a PVDM_BackupLogs value containing the delimited list of backup logs.	

ADGetDocAccessReport Method

Description	Retrieves a delimited version of the document access report.
Syntax	<i>object</i> . ADGetDocAccessReport (EntityID, SessionID, SourceIP, FilterList)
The Syntax for ADGetDocAccessReport contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>FilterList</i>	Required expression of type String specifying any filter conditions to apply. The format is as follows: <DateTimeFrom>^<DateTimeTo> <UserID> <Operation> <DocInfo> <Recipient> <Reason> <Source>
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current document grants. It also contains a DELIMITEDREPORT value containing the delimited report and a MOREAVAILABLE value specifying whether or not more items exist that were provided.	

ADGetEntityProperties Method

Description	Retrieves an XML document containing the entity's properties and security policy settings.
Syntax	<i>object</i> . ADGetEntityProperties (EntityID, SessionID, SourceIP)
The Syntax for ADGetEntityProperties contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the entity's properties:	
<ul style="list-style-type: none"> • IMPORTREADWRITE: Default imported data group state (0=read only, 1 = read/write) • COLDEXTFULLTEXT: Load COLD data and external documents into full text engine (0 = no, 1 = yes) • KEEPDGDBARCHIVES: Keep data group database archives after import (0 = no, 1 = yes) • DEFAULTIMPORTMETHOD: Default Import Method (0 = append, 1 = full/reload) • DELETEORPHANED: Delete orphaned documents after full/reload (0 = no, 1 = yes) • RELOADDISREGARDOBJ: Disregard object changes during full reload (1 = disregard, 0 = apply) • OBJAPPLYMETHOD: Object change apply method (0 = as new version, 1 = update existing version) • IMPMORTCOPY: Copy data groups during import (0 = no, 1 = yes) • DELETEAFTERCOPY: Delete source data group after copy (0 = no, 1 = yes) • CHARCASE: Character case display (0 = upper case only, 1 = mixed case) • DEFAULTDOCGROUP: Default document grouping (0 = none, 1 = oldest first, 2 = most recent first) 	

- REGISTEREDFILETYPES: List of file extensions that will automatically be displayed in their registered application, pipe (“|”) separated.
- SECPWDEXPOREDAYS: Number of days before passwords are automatically expired (0 = never)
- SECMINPWDLENGTH: Minimum password length (0 = none)
- SECSAMESOURCE: Require all session requests to originate from same source (0 = no, 1 = yes)
- SECREQPLUGIN: Require web clients to use the browser plugin (0 = no, 1 = yes)
- SECLOCKOUTATTEMPTS: Number of invalid login attempts before account is locked out (0 = no limit)
- SECRESETLOCKMINS: Number of minutes that accounts are locked out before they are automatically re-enabled.
- SECCLEARCOUNTMINS: Number of minutes before invalid login attempt count is cleared (reset to zero)
- SECLOGINSOURCE: Login Source (0 = allow logins from any source, 1 = limit logins to only come from specified source)
- SECLOGINSOURCEIPS: List of allowed source IP’s for SECLOGINSOURCE

ADGetPVERMOverlayFile Method

Description	Caches the specified blank overlay file form for retrieval.
Syntax	<i>object</i> .ADGetPVERMOverlayFile(EntityID, SessionID, SourceIP, OverlayFileID, OverlayFileName)
The Syntax for ADGetPVERMOverlayFile contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>OverlayFileID</i>	Required expression of type Long specifying the overlay file ID of the of the overlay file to cache.
<i>OverlayFileName</i>	Required expression of type String specifying file name of the overlay file. This is only used to extract the file extension so the cached file has the correct file extension.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes the cache information specifying the URL and file locations for the overlay file.	

ADGetRecRetDestReport Method

Description	Retrieves a delimited version of the records retention and destruction report.
Syntax	<i>object</i> .ADGetRecRetDestReport(EntityID, SessionID, SourceIP, FilterList, StartDocID)
The Syntax for ADGetRecRetDestReport contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>FilterList</i>	Required expression of type String specifying any filter conditions to apply. The format is as follows: <ProjectID> <DestructionDateTimeFrom>^<DestructionDateTimeTo> > <LockDateTimeFrom>^<LockDateDateTimeTo> Note that ProjectID must be a valid Project ID.
<i>StartDocID</i>	Required expression of type Long specifying the starting document ID to be returned in the report. The returned report items will only include documents whose DOCID value is greater than or equal to the specified value (sorted by DOCID).
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains a DELIMITEDREPORT value containing the delimited report and a MOREAVAILABLE value specifying whether or not more items exist that were provided.	

ADGetSecurityReportEx Method

Description	Retrieves a detailed security report for an entity.
Syntax	<i>object</i> . ADGetSecurityReportEx (EntityID, SessionID, SourceIP, ReportType, LimitIDs)
The Syntax for ADGetSecurityReportEx contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ReportType</i>	Required expression of type Integer specifying the type of report generated: 0 = Full report; no ID limiting 1 = Groups Only; limited to specific <i>LimitIDs</i> list or all groups (if empty string) 2 = Users Only (no groups except those users are a member of); limited to specified <i>LimitIDs</i> list or all users (if empty string).
<i>LimitIDs</i>	Required expression of type String specifying the list of ID's a report should be limited to (as described in <i>ReportType</i> above).
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the entity's security report in XML format.	

ADGetSysOpReport Method

Description	Retrieves a delimited version of the system operations/queries report.
Syntax	<i>object</i> . ADGetSysOpReport (EntityID, SessionID, SourceIP, FilterList)
The Syntax for ADGetSysOpReport contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>FilterList</i>	Required expression of type String specifying any filter conditions to apply. The format is as follows: <DateTimeFrom>^<DateTimeTo> <UserID> <Operation> <Info> <Source>
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current document grants. It also contains a DELIMITEDREPORT value containing the delimited report and a MOREAVAILABLE value specifying whether or not more items exist that were provided.	

ADGetUtilReport Method

Description	Retrieves a textual version of the utilization report.
Syntax	<i>object</i> . ADGetUtilReport (EntityID, SessionID, SourceIP, FilterList)
The Syntax for ADGetUtilReport contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>FilterList</i>	Required expression of type String specifying any filter conditions to apply. The format is as follows: <DateTimeFrom>^<DateTimeTo>
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current document grants. It also contains a TESTREPORT value containing the report.	

ADGetWFHistoryReport Method

Description	Retrieves a delimited version of the workflow history report.
Syntax	<i>object</i> . ADGetWFHistoryReport (EntityID, SessionID, SourceIP, FilterList)
The Syntax for ADGetWFHistoryReport contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>FilterList</i>	Required expression of type String specifying any filter conditions to apply. The format is as follows: <WFDefID> <WFStartDateTimeFrom>^<WFStartDateTimeTo> <WFEndDateTimeFrom>^<WFEndDateTimeTo> <WSDefID> <WSStartDateTimeFrom>^<WSStartDateTimeTo> <WSEndDateTimeFrom>^<WSEndDateTimeTo> <OwnerID>
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains a DELIMITEDREPORT value containing the delimited report and a MOREAVAILABLE value specifying whether or not more items exist that were provided.	

ADGetWFStatusReport Method

Description	Retrieves a delimited version of the workflow status report.
Syntax	<i>object</i> . ADGetWFStatusReport (EntityID, SessionID, SourceIP, FilterList)
The Syntax for ADGetWFStatusReport contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>FilterList</i>	Required expression of type String specifying any filter conditions to apply. The format is as follows: <WFDefID> <WFStartDateTimeFrom>^<WFStartDateTimeTo> <WSDefID> <WSStartDateTimeFrom>^<WSStartDateTimeTo> <OwnerID>
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains a DELIMITEDREPORT value containing the delimited report, a NOTIFYLIST value specifying any items that have been tagged as being problematic, and a MOREAVAILABLE value specifying whether or not more items exist that were provided.	

ADKillSessions Method

Description	Deletes/kills a users' sessions
Syntax	<i>object</i> . ADKillSessions (EntityID, SessionID, SourceIP, NameList, SessionIDList)
The Syntax for ADKillSessions contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>NameList</i>	Required expression of type String specifying the names of the users whose sessions are being killed. This value is used solely for security tracking reporting purposes.
<i>SessionIDList</i>	Required expression of type String specifying a pipe (" ") or tab-delimited list of session ID's to delete.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current sessions.	

ADListBackupJobs Method

Description	Lists the backup jobs defined for an entity.
Syntax	<i>object</i> . ADListBackupJobs (EntityID, SessionID, SourceIP)
The Syntax for ADListBackupJobs contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of backup jobs.	

ADListDataGroups Method

Description	Lists the data groups.
Syntax	<i>object</i> . ADListDataGroups (EntityID, SessionID, SourceIP)
The Syntax for ADListDataGroups contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of data groups.	

ADListDataGroupsFiltered Method

Description	Lists the data groups that meet the specified filter criteria.
Syntax	<i>object</i> . ADListDataGroupsFiltered (EntityID, SessionID, SourceIP, Filter)
The Syntax for ADListDataGroupsFiltered contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>Filter</i>	Required expression of type String the filter to apply. The filter is a pipe (“ ”) delimited list in the following format: DGNAME DGTYPE LASTUPDATEFROM^LASTUPDATETO PROJID ORIGINALDGNAME
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of data groups that meet the filter criteria.	

ADListDiscReasons Method

Description	Lists the defined enhanced auditing disclosure reasons for a project.
Syntax	<i>object</i> . ADListDiscReasons (EntityID, SessionID, SourceIP, ProjID)
The Syntax for ADListDiscReasons contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project from which to get the related information.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of disclosure reasons.	

ADListDiscRecips Method

Description	Lists the defined enhanced auditing disclosure recipients for a project.
Syntax	<i>object</i> . ADListDiscRecips (EntityID, SessionID, SourceIP, ProjID)
The Syntax for ADListDiscRecips contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project from which to get the related information.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of disclosure recipients.	

ADListDocAssocs Method

Description	Lists the document associations for a project.
Syntax	<i>object</i> . ADListDocAssocs (EntityID, SessionID, SourceIP, ProjID)
The Syntax for ADListDocAssocs contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project from which to get the related information.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of document associations.	

ADListDocGrants Method

Description	Lists the current document grants.
Syntax	<i>object</i> . ADListDocGrants (EntityID, SessionID, SourceIP)
The Syntax for ADListDocGrants contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of document grants.	

ADListDocSecLevels Method

Description	Lists the document security levels for a project.
Syntax	<i>object</i> . ADListDocSecLevels (EntityID, SessionID, SourceIP, ProjID)
The Syntax for ADListDocSecLevels contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project from which to get the related information.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of document security levels.	

ADListEformDefs Method

Description	Lists the e-form definitions (and all versions for each definition) for an entity.
Syntax	<i>object</i> . ADListEformDefs (EntityID, SessionID, SourceIP)
The Syntax for ADListEformDefs contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of e-form definitions.	

ADListEformSecurityAccess Method

Description	Lists e-form security access rights for an e-form definition.
Syntax	<i>object</i> . ADListEformSecurityAccess (EntityID, SessionID, SourceIP, EformID)
The Syntax for ADListEformSecurityAccess contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>EformID</i>	Required expression of type Long specifying the e-form definition from which to get the related information.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of security access rights.	

ADListEncryptKeys Method

Description	Lists the encryption keys defined for an entity.
Syntax	<i>object</i> . ADListEncrypts (EntityID, SessionID, SourceIP)
The Syntax for ADListEncrypts contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of encryption keys.	

ADListERMFileSets Method

Description	Lists the report management file sets for an entity.
Syntax	<i>object</i> . ADListERMFileSets (EntityID, SessionID, SourceIP)
The Syntax for ADListERMFileSets contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of report management file sets.	

ADListERMFileSetsFiltered Method

Description	Lists the report management file sets for an entity that meet the specified filter.
Syntax	<i>object</i> . ADListERMFileSetsFiltered (EntityID, SessionID, SourceIP, Filter)
The Syntax for ADListERMFileSetsFiltered contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>Filter</i>	Required expression of type String the filter to apply. The filter is a pipe (“ ”) delimited list in the following format: FILESETNAME DATEFINISHEDFROM^DATEFINISHEDTO JOBNAME DATAGROUPNAME IMPORTSTATUS
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of report management file sets that meet the filter criteria.	

ADListERMJobs Method

Description	Lists the report management jobs defined for a project.
Syntax	<i>object</i> . ADListERMJobs (EntityID, SessionID, SourceIP, ProjID)
The Syntax for ADListERMJobs contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project from which to get the related information.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of defined report management jobs.	

ADListERMProcErrors Method

Description	Lists the report management process errors for an entity.
Syntax	<i>object</i> .ADListERMProcErrors(EntityID, SessionID, SourceIP)
The Syntax for ADListERMProcErrors contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of report management process errors.	

ADListGroups Method

Description	Lists the defined system security groups.
Syntax	<i>object</i> . ADListGroups (EntityID, SessionID, SourceIP)
The Syntax for ADListGroups contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of groups.	

ADListIntDefs Method

Description	Lists the integration definitions defined for a project.
Syntax	<i>object</i> . ADListIntDefs (EntityID, SessionID, SourceIP, ProjID)
The Syntax for ADListIntDefs contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project from which to get the related information.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of integration definitions.	

ADListLockouts Method

Description	Lists the current user lockouts.
Syntax	<i>object</i> . ADListLockouts (EntityID, SessionID, SourceIP)
The Syntax for ADListLockouts contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of lockouts.	

ADListMigrations_Submitted Method

Description	Lists any submitted migration jobs.
Syntax	<i>object</i> . ADListMigrations_Submitted (EntityID, SessionID, SourceIP)
The Syntax for ADListMigrations_Submitted contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of submitted migration jobs.	

ADListMsgCaptureFileSetsFiltered Method

Description	Lists the message capture file sets for an entity that meet the specified filter.
Syntax	<i>object</i> . ADListMsgCaptureFileSetsFiltered (EntityID, SessionID, SourceIP, Filter)
The Syntax for ADListMsgCaptureFileSetsFiltered contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>Filter</i>	Required expression of type String the filter to apply. The filter is a pipe (“ ”) delimited list in the following format: FILESETNAME DATEFINISHEDFROM^DATEFINISHEDTO POLICYSETNAME DATAGROUPNAME
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of message capture file sets that meet the filter criteria.	

ADListMsgCapturePolicySets Method

Description	Lists the message capture policy sets.
Syntax	<i>object</i> . ADListMsgCapturePolicySets (EntityID, SessionID, SourceIP)
The Syntax for ADListMsgCapturePolicySets contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of message capture policy sets.	

ADListPossibleWSForWFInst Method

Description	Lists all of the worksteps defined for a specified workflow instance's workflow definition.
Syntax	<i>object</i> . ADListPossibleWSForWFInst (EntityID, SessionID, SourceIP, WFInstID)
The Syntax for ADListPossibleWSForWFInst contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>WFInstID</i>	Required expression of type Long specifying the workflow instance ID which is used to reference the workflow definition to retrieve the list of worksteps.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of worksteps.	

ADListProjSecurityAccess Method

Description	Lists project security access rights for a project.
Syntax	<i>object</i> . ADListProjSecurityAccess (EntityID, SessionID, SourceIP, ProjID)
The Syntax for ADListProjSecurityAccess contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project from which to get the related information.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of security access rights.	

ADListProjects Method

Description	Lists all of the projects for the entity.
Syntax	<i>object</i> . ADListProjects (EntityID, SessionID, SourceIP)
The Syntax for ADListProjects contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of projects.	

ADListRecRetLists Method

Description	Lists the records retention lists for a project.
Syntax	<i>object</i> . ADListRecRetLists (EntityID, SessionID, SourceIP, ProjID)
The Syntax for ADListRecRetLists contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID to list the items for. If a value of zero (0) is specified, all records retention lists for all projects will be returned.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of records retention lists.	

ADListRecRetPolicySets Method

Description	Lists the records retention policy sets for a project.
Syntax	<i>object</i> . ADListRecRetPolicySets (EntityID, SessionID, SourceIP, ProjID)
The Syntax for ADListRecRetPolicySets contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID to list the policy sets for.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of records retention policy sets.	

ADListReportArchives Method

Description	Lists the available archives.
Syntax	<i>object</i> . ADListReportArchives (EntityID, SessionID, SourceIP, ArchiveType)
The Syntax for ADListReportArchives contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ArchiveType</i>	Required expression of type Integer specifying the type of archives to list: <ul style="list-style-type: none"> • 2 = system operations/queries reports • 3 = workflow history reports • 4 = document access reports • 5 = utilization reports
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of archives.	

ADListSessions Method

Description	Lists the current sessions.
Syntax	<i>object</i> . ADListSessions (EntityID, SessionID, SourceIP)
The Syntax for ADListSessions contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of sessions.	

ADListUsers Method

Description	Lists the entity's users.
Syntax	<i>object</i> . ADListUsers (EntityID, SessionID, SourceIP)
The Syntax for ADListUsers contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of users.	

ADListWorkFlowDefs Method

Description	Lists the workflow definitions for a project.
Syntax	<i>object</i> . ADListWorkFlowDefs (EntityID, SessionID, SourceIP, ProjID)
The Syntax for ADListWorkFlowDefs contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project from which to get the related information.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the list of workflow definitions.	

ADLoadBackupJob Method

Description	Retrieves the properties for a specific backup job.
Syntax	<i>object</i> . ADLoadBackupJob (EntityID, SessionID, SourceIP, JobID)
The Syntax for ADLoadBackupJob contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>JobID</i>	Required expression of type Long specifying the ID of the backup job to retrieve.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the requested item's properties as well as a list of projects and a list of encryption keys for the entity.	

ADLoadConfigInfo Method

Description	Retrieves the properties for the stored configuration information.
Syntax	<i>object</i> . ADLoadConfigInfo (EntityID, SessionID, SourceIP, ProjID, ConfigType)
The Syntax for ADLoadConfigInfo contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the ID of the associated project.
<i>ConfigType</i>	Required expression of type String specifying the type of configuration (that together with the <i>ProjID</i> creates a unique key).
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the requested item's properties.	

ADLoadDataGroup Method

Description	Retrieves the properties for a specific data group.
Syntax	<i>object</i> . ADLoadDataGroup (EntityID, SessionID, SourceIP, DGID)
The Syntax for ADLoadDataGroup contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>DGID</i>	Required expression of type Long specifying the ID of the data group to retrieve.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the requested item's properties.	

ADLoadDocAssoc Method

Description	Retrieves the specified document association properties.
Syntax	<i>object</i> . ADLoadDocAssoc (EntityID, SessionID, SourceIP, AssocID)
The Syntax for ADLoadDocAssoc contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>AssocID</i>	Required expression of type Long specifying the ID of the document association to retrieve.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the requested item's properties.	

ADLoadDocSecLevel Method

Description	Retrieves the properties for a specific document security level.
Syntax	<i>object</i> . ADLoadDocSecLevel (EntityID, SessionID, SourceIP, ProjID, DocSecLevelID)
The Syntax for ADLoadDocSecLevel contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project from which to get the related information.
<i>DocSecLevelID</i>	Required expression of type Long specifying the ID of the document security level to retrieve.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the requested item's properties.	

ADLoadEformDefVersion Method

Description	Retrieves the definition for a specified e-form definition version, as well as system information necessary to define an e-form (i.e. project settings, security groups, etc.).
Syntax	<i>object</i> . ADLoadEformDefVersion (EntityID, SessionID, SourceIP, VersionID)
The Syntax for ADLoadEformDefVersion contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>VersionID</i>	Required expression of type Long specifying the ID of the e-form definition version to load. If a value of zero (0) is specified, no form definition will be loaded, but the system information will still be returned.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the requested item's properties.	

ADLoadEformSecurityAccess Method

Description	Retrieves the properties for a specific e-form definition security access right.
Syntax	<i>object</i> . ADLoadEformSecurityAccess (EntityID, SessionID, SourceIP, EformID, RightID)
The Syntax for ADLoadEformSecurityAccess contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>EformID</i>	Required expression of type Long specifying the e-form definition from which to get the related information.
<i>RightID</i>	Required expression of type Long specifying the ID of the e-form security access right to retrieve.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the requested item's properties as well as a list of the entity's groups and users.	

ADLoadEncryptKey Method

Description	Retrieves the properties for a specific encryption key.
Syntax	<i>object</i> . ADLoadEncryptKey (EntityID, SessionID, SourceIP, KeyID)
The Syntax for ADLoadEncryptKey contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>KeyID</i>	Required expression of type Long specifying the ID of the encryption key to retrieve.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the requested item's properties.	

ADLoadERMJob Method

Description	Retrieves the properties for a specific report management job.
Syntax	<i>object</i> . ADLoadERMJob (EntityID, SessionID, SourceIP, ProjID, ERMJobID)
The Syntax for ADLoadERMJob contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project from which to get the related information.
<i>ERMJobID</i>	Required expression of type Long specifying the ID of the report management job to retrieve.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the requested item's properties.	

ADLoadGroup Method

Description	Retrieves the properties for a specific group.
Syntax	<i>object</i> . ADLoadGroup (EntityID, SessionID, SourceIP, GroupID)
The Syntax for ADLoadGroup contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>GroupID</i>	Required expression of type Long specifying the ID of the group to retrieve.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the requested item's properties as well as a list of all of the entity's users.	

ADLoadIntDef Method

Description	Retrieves the properties for a specific integration definition.
Syntax	<i>object</i> . ADLoadIntDef (EntityID, SessionID, SourceIP, ProjID, IntDefID)
The Syntax for ADLoadERMJob contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project from which to get the related information.
<i>IntDefID</i>	Required expression of type Long specifying the ID of the integration definition to retrieve.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the requested item's properties.	

ADLoadMsgCapturePolicySet Method

Description	Retrieves the properties for a specific message capture policy set.
Syntax	<i>object</i> . ADLoadMsgCapturePolicySet (EntityID, SessionID, SourceIP, ItemID)
The Syntax for ADLoadMsgCapturePolicySet contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ItemID</i>	Required expression of type Long specifying the ID of the policy set to retrieve.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the requested item's properties.	

ADLoadProject Method

Description	Retrieves the properties for a specific project.
Syntax	<i>object</i> . ADLoadProject (EntityID, SessionID, SourceIP, ProjID)
The Syntax for ADLoadProject contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the ID of the project to retrieve.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the requested item's properties.	

ADLoadProjSecurityAccess Method

Description	Retrieves the properties for a specific project security access right.
Syntax	<i>object</i> . ADLoadProjSecurityAccess (EntityID, SessionID, SourceIP, ProjID, RightID)
The Syntax for ADLoadProjSecurityAccess contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project from which to get the related information.
<i>RightID</i>	Required expression of type Long specifying the ID of the project security access right to retrieve.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the requested item's properties as well as a list of the entity's groups and users.	

ADLoadRecRetPolicySet Method

Description	Retrieves the properties for a specific records retention policy set.
Syntax	<i>object</i> ADLoadRecRetPolicySet (EntityID, SessionID, SourceIP, ProjID, ItemID)
The Syntax for ADLoadRecRetPolicySet contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type String specifying the ID of the project the policy set is defined for.
<i>ItemID</i>	Required expression of type Long specifying the ID of the policy set to retrieve.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the requested item's properties.	

ADLoadUser Method

Description	Retrieves the properties for a specific user.
Syntax	<i>object</i> . ADLoadUser (EntityID, SessionID, SourceIP, UserID)
The Syntax for ADLoadUser contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>UserID</i>	Required expression of type Long specifying the ID of the user to retrieve.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the requested item's properties.	

ADLoadWFInstHistory Method

Description	Retrieves the history for a specific workflow instance.
Syntax	<i>object</i> . ADLoadWFInstHistory (EntityID, SessionID, SourceIP, WFInstID)
The Syntax for ADLoadWFInstHistory contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>WFInstID</i>	Required expression of type Long specifying the ID of the workflow instance to retrieve.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the requested workflow instance's history.	

ADLoadWorkFlowDef Method

Description	Retrieves the properties for a specific workflow definition.
Syntax	<i>object</i> . ADLoadWorkFlowDef (EntityID, SessionID, SourceIP, ProjID, WFDefID)
The Syntax for ADLoadWorkFlowDef contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project from which to get the related information.
<i>WFDefID</i>	Required expression of type Long specifying the workflow definition ID for the workflow definition to retrieve.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the requested item's properties.	

ADLoadWorkFlowDefExportable Method

Description	Loads an exportable copy of a workflow definition that can later be imported. It will include any workflow custom code.
Syntax	<i>object</i> . ADLoadWorkFlowDefExportable (EntityID, SessionID, SourceIP, ProjID, WFDefID)
The Syntax for ADLoadWorkFlowDefExportable contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project from which to get the related information.
<i>WFDefID</i>	Required expression of type Long specifying the workflow definition ID for the workflow definition to retrieve.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the requested item's properties.	

ADLoadWorkFlowDefsAll Method

Description	Retrieves the properties for all active workflow definitions.
Syntax	<i>object</i> .ADLoadWorkFlowDefsAll(EntityID, SessionID, SourceIP)
The Syntax for ADLoadWorkFlowDefsAll contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the properties of all active workflow definitions, project configurations, users, and groups.	

ADMigrateDataGroups Method

Description	Submits the specified data groups for complete migration.
Syntax	<i>object</i> . ADMigrateDataGroups (EntityID, SessionID, SourceIP, DGIDList)
The Syntax for ADMigrateDataGroups contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>DGIDList</i>	Required expression of type Long specifying the data group ID to be submitted for migration. If multiple data groups need to be submitted, review the <i>ADMigrateDataGroupsFiltered</i> method.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains a list of the data groups.	

ADMigrateDataGroupsFiltered Method

Description	Submits the specified data groups for complete migration.
Syntax	<i>object</i> . ADMigrateDataGroupsFiltered (EntityID, SessionID, SourceIP, DGIDList, Filter)
The Syntax for ADMigrateDataGroupsFiltered contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>DGIDList</i>	Required expression of type String specifying a tab or pipe-delimited list of data group ID's to be submitted for migration.
<i>Filter</i>	Required expression of type String the filter to apply. The filter is a pipe (" ") delimited list in the following format: DGNAME DGTYPE LASTUPDATEFROM^LASTUPDATETO PROJID ORIGINALDGNAME
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains a list of the data groups that meet the filter criteria.	

ADPurgeDataGroups Method

Description	Purges the specified data groups from the system.
Syntax	<i>object</i> . ADPurgeDataGroups (EntityID, SessionID, SourceIP, DGIDList)
The Syntax for ADPurgeDataGroups contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>DGIDList</i>	Required expression of type String specifying a pipe (“ ”) or tab-delimited list of data group ID's to delete.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current data groups.	

ADPurgeDataGroupsFilteredEx Method

Description	Purges the specified data groups from the system.
Syntax	<i>object</i> . ADPurgeDataGroupsFilteredEx (EntityID, SessionID, SourceIP, DGIDList, Filter, EmptyRecycled)
The Syntax for ADPurgeDataGroupsFilteredEx contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>DGIDList</i>	Required expression of type String specifying a pipe (“ ”) or tab-delimited list of data group ID's to delete.
<i>Filter</i>	Required expression of type String specifying the filter to apply. The filter is a pipe (“ ”) delimited list in the following format: DGNAME DGTYPE LASTUPDATEFROM^LASTUPDATETO PROJID ORIGINALDGNAME
<i>EmptyRecycled</i>	Required expression of type Boolean indicating whether the DGIDList specifies data groups that have been previously recycled and need to be emptied from the recycle bin (by a regular purge operation). If this is True and the items specified have not been recycled, an error will be generated when attempting to empty the non-recycled item.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current data groups that meet the filter criteria.	

ADRemoveProjectField Method

Description	Removes a document index field (and all of that field's associated data) from a project.
Syntax	<i>object</i> . ADRemoveProjectField (EntityID, SessionID, SourceIP, ProjID, FieldNum)
The Syntax for ADRemoveProjectField contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID of the project to be modified.
<i>FieldNum</i>	Required expression of type Integer specifying the document index field number to be removed.
Return Value	
This function returns a String value. This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated property list for the project.	

ADRenameCodes Method

Description	Renames custom code definitions.
Syntax	<i>object</i> . ADRenameCodes (EntityID, SessionID, SourceIP, IDList, CodeName)
The Syntax for ADRenameCodes contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>IDList</i>	Required expression of type String specifying a comma-delimited list of Code ID's to be renamed.
<i>CodeName</i>	Required expression of type String specifying the new name for the codes.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADRestoreRecycledDataGroupsFiltered Method

Description	Restores the specified data groups from the Recycle Bin. This only applies to data groups that have been recycled.
Syntax	<i>object</i> . ADRestoreRecycledDataGroupsFiltered (EntityID, SessionID, SourceIP, DGIDList, Filter)
The Syntax for ADRestoreRecycledDataGroupsFiltered contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>DGIDList</i>	Required expression of type String specifying a pipe (“ ”) or tab-delimited list of data group ID's to restore.
<i>Filter</i>	Required expression of type String specifying the filter to apply. The filter is a pipe (“ ”) delimited list in the following format: DGNAME DGTYPE LASTUPDATEFROM^LASTUPDATETO PROJID ORIGINALDGNAME
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current data groups that meet the filter criteria.	

ADRestoreRecycledERMFileSetsFiltered Method

Description	Restores the specified ERM file set from the Recycle Bin. This only applies to file sets that have been recycled.
Syntax	<i>object</i> . ADRestoreRecycledERMFileSetsFiltered (EntityID, SessionID, SourceIP, ItemIDList, Filter)
The Syntax for ADRestoreRecycledERMFileSetsFiltered contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ItemIDList</i>	Required expression of type String specifying a pipe (“ ”) or tab-delimited list of file set ID's to restore.
<i>Filter</i>	Required expression of type String specifying the filter to apply. The filter is a pipe (“ ”) delimited list in the following format: FILESETNAME DATEFINISHEDFROM^DATEFINISHEDTO JOBNAME DATAGROUPNAME IMPORTSTATUS
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current data groups that meet the filter criteria.	

ADRestoreRecycledMsgFileSetsFiltered Method

Description	Restores the specified Message Capture file set from the Recycle Bin. This only applies to file sets that have been recycled.
Syntax	<i>object</i> . ADRestoreRecycledMsgFileSetsFiltered (EntityID, SessionID, SourceIP, ItemIDList, Filter)
The Syntax for ADRestoreRecycledMsgFileSetsFiltered contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ItemIDList</i>	Required expression of type String specifying a pipe (“ ”) or tab-delimited list of file set ID's to restore.
<i>Filter</i>	Required expression of type String specifying the filter to apply. The filter is a pipe (“ ”) delimited list in the following format: FILESETNAME DATEFINISHEDFROM^DATEFINISHEDTO JOBNAME DATAGROUPNAME IMPORTSTATUS
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the current data groups that meet the filter criteria.	

ADRollBackERMFileSets Method

Description	Performs a roll-back operation on the specified report management file sets.
Syntax	<i>object</i> .ADRollBackERMFileSets(EntityID, SessionID, SourceIP, ItemIDList)
The Syntax for ADRollBackERMFileSets contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ItemIDList</i>	Required expression of type String specifying the tab or pipe-delimited list of file set ID's to be rolled back.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the report management file sets.	

ADRollBackERMFileSetsFilteredEx Method

Description	Performs a roll-back operation on the specified report management file sets.
Syntax	<i>object</i> . ADRollBackERMFileSetsFilteredEx (EntityID, SessionID, SourceIP, ItemIDList, Filter, EmptyRecycled)
The Syntax for ADRollBackERMFileSetsFilteredEx contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ItemIDList</i>	Required expression of type String specifying the tab or pipe-delimited list of file set ID's to be rolled back.
<i>Filter</i>	Required expression of type String specifying the filter to apply. The filter is a pipe (“ ”) delimited list in the following format: [FILESETNAME DATEFINISHEDFROM^DATEFINISHEDTO JOBNAME DATAGROUPNAME IMPORTSTATUS
<i>EmptyRecycled</i>	Required expression of type Boolean indicating whether the ItemIDList specifies file sets that have been previously recycled and need to be emptied from the recycle bin (by a regular roll-back/purge operation). If this is True and the items specified have not been recycled, an error will be generated when attempting to empty the non-recycled item.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the report management file sets that meet the specified filter.	

ADRollBackMsgCaptureFileSetsFilteredEx Method

Description	Performs a roll-back operation on the specified message capture file sets.
Syntax	<i>object</i> . ADRollBackMsgCaptureFileSetsFilteredEx (EntityID, SessionID, SourceIP, ItemIDList, Filter, EmptyRecycled)
The Syntax for ADRollBackMsgCaptureFileSetsFilteredEx contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ItemIDList</i>	Required expression of type String specifying the tab or pipe-delimited list of file set ID's to be rolled back.
<i>Filter</i>	Required expression of type String specifying the filter to apply. The filter is a pipe (“ ”) delimited list in the following format: [FILESETNAME DATEFINISHEDFROM^DATEFINISHEDTO POLICYSETNAME DATAGROUPNAME]
<i>EmptyRecycled</i>	Required expression of type Boolean indicating whether the ItemIDList specifies file sets that have been previously recycled and need to be emptied from the recycle bin (by a regular roll-back/purge operation). If this is True and the items specified have not been recycled, an error will be generated when attempting to empty the non-recycled item.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains an updated list of the message capture file sets that meet the specified filter.	

ADSaveBackupJob Method

Description	Updates or creates a backup job.
Syntax	<i>object</i> . ADSaveBackupJob (EntityID, SessionID, SourceIP, BackupJobXML)
The Syntax for ADSaveBackupJob contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>BackupJobXML</i>	Required expression of type String specifying the XML document containing the backup job definition.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADSaveConfigInfo Method

Description	Saves the properties for stored configuration information.
Syntax	<i>object</i> . ADSaveConfigInfo (EntityID, SessionID, SourceIP, ProjID, ConfigType, ConfigInfo)
The Syntax for ADSaveConfigInfo contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the ID of the associated project.
<i>ConfigType</i>	Required expression of type String specifying the type of configuration (that together with the <i>ProjID</i> creates a unique key).
<i>ConfigInfo</i>	Required expression of type String specifying the configuration information data to be stored.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADSaveDocAssoc Method

Description	Updates or creates a document association.
Syntax	<i>object</i> .ADSaveDocAssoc(EntityID, SessionID, SourceIP, DocAssocXML)
The Syntax for ADSaveEncryptKey contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>DocAssocXML</i>	Required expression of type String specifying the XML document containing the document association definition.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADSaveDocSecLevelEx Method

Description	Updates a document security level or creates a new document security level.
Syntax	<i>object</i> . ADSaveDocSecLevelEx (EntityID, SessionID, SourceIP, ProjID, DocSecLevelID, DSLName, SearchCriteriaXML, GrantGroups, GrantUsers, ApplyMode)
The Syntax for ADSaveDocSecLevelEx contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID of the project to be modified.
<i>DocSecLevelID</i>	Required expression of type Long specifying the document security level ID to update (or 0 to create a new one).
<i>DSLName</i>	Required expression of type String specifying the name of the document security level.
<i>SearchCriteriaXML</i>	Required expression of type String specifying the XML string containing the automated search criteria for the document security level.
<i>GrantGroups</i>	Required expression of type String specifying a comma, pipe (" "), or tab-delimited list of group IDs to grant access to the document security level.
<i>GrantUsers</i>	Required expression of type String specifying a comma, pipe (" "), or tab-delimited list of user IDs to grant access to the document security level.

<i>ApplyMode</i>	Required expression of type Long specifying when the automated search criteria are applied. The following items can be combined in any combination: 1 = Criteria are NOT evaluated when new documents are added (by default, documents are evaluated when new ones are added). 2 = Criteria are evaluated to see if altered index values meet criteria for selection. 4 = Criteria are evaluated to see if altered index values cause the document to no longer meet the selection criteria (causing the security level to be removed).
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADSaveEformDefEx Method

Description	Updates or creates an e-form definition and adds an e-form definition version.
Syntax	<i>object</i> . ADSaveEformDefEx (EntityID, SessionID, SourceIP, EformID, EformName, Description, IsPublish, IsPublic, Expiration, Version, Settings, Path, VersionComments, UpdateVersionID)
The Syntax for ADSaveEformDefEx contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>EformID</i>	Required expression of type Long specifying the e-form definition ID (if updating) or zero (if creating a new e-form definition).
<i>EformName</i>	Required expression of type String specifying the e-form definition name.
<i>Description</i>	Required expression of type String specifying descriptive notes about the e-form definition.
<i>IsPublish</i>	Required expression of type Boolean specifying whether the e-form definition is published (available to be filled by users) or not.
<i>IsPublic</i>	Required expression of type Boolean specifying whether the e-form definition is public (able to be filled by non-authenticated users – i.e. on a public website without first logging in into PaperVision).
<i>Expiration</i>	Required expression of Type String specifying the date/time of the e-form expiration.

<i>Version</i>	Required expression of type String. Currently, this parameter is ignored.
<i>Settings</i>	Required expression of type String specifying the XML settings for the e-form definition.
<i>Path</i>	Required expression of type String specifying the path (in relation to the user's session cache path) to the e-form XML file.
<i>VersionComments</i>	Required expression of type String specifying comments related to the specific version of the e-form definition.
<i>UpdateVersionID</i>	Required expression of type Long specifying the ID of an existing e-form definition version to update. If this value is zero (0), then a new version will be created.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADSaveEncryptKey Method

Description	Updates or creates an encryption key.
Syntax	<i>object</i> . ADSaveEncryptKey (EntityID, SessionID, SourceIP, EncryptKeyXML)
The Syntax for ADSaveEncryptKey contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>EncryptKeyXML</i>	Required expression of type String specifying the XML document containing the encryption key definition.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADSaveEntityProperties Method

Description	Saves an entity's property settings (not security policy settings).
Syntax	<i>object</i> . ADSaveEntityProperties (EntityID, SessionID, SourceIP, XMLProperties)
The Syntax for ADSaveEntityProperties contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>XMLProperties</i>	Required expression of type String specifying the entity's properties. See <i>ADGetEntityProperties</i> for more information.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. If successful, a call is automatically made (and returned) to the <i>ADGetEntityProperties</i> Method.	

ADSaveEntitySecPolicy Method

Description	Saves an entity's security policy settings (not property settings).
Syntax	<i>object</i> . ADSaveEntitySecPolicy (EntityID, SessionID, SourceIP, XMLProperties)
The Syntax for ADSaveEntitySecPolicy contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>XMLProperties</i>	Required expression of type String specifying the entity's security policy. See <i>ADGetEntityProperties</i> for more information.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. If successful, a call is automatically made (and returned) to the <i>ADGetEntityProperties</i> Method.	

ADSaveERMJob Method

Description	Updates or creates a report management job definition for a project.
Syntax	<i>object</i> .ADSaveERMJob(EntityID, SessionID, SourceIP, ProjID, ERMJobID, ERMJobXML)
The Syntax for ADSaveERMJob contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID of the project to be modified.
<i>ERMJobID</i>	Required expression of type Long specifying the report management job to update (or 0 to create a new one).
<i>ERMJobXML</i>	Required expression of type String specifying the XML document containing the report management job returned by the <i>ERM definition</i> control.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADSaveIntDef Method

Description	Updates or creates an integration definition for a project.
Syntax	<i>object</i> . ADSaveIntDef (EntityID, SessionID, SourceIP, ProjID, IntDefID, IntDefXML)
The Syntax for ADSaveIntDef contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID of the project to be modified.
<i>IntDefID</i>	Required expression of type Long specifying the integration definition to update (or 0 to create a new one).
<i>IntDefXML</i>	Required expression of type String specifying the XML document containing the integration definition returned by the <i>Integration Definition</i> control.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADSaveMsgCapturePolicySet Method

Description	Saves a message capture policy set.
Syntax	<i>object</i> . ADSaveMsgCapturePolicySet (EntityID, SessionID, SourceIP, MsgPolicySetXML)
The Syntax for ADSaveMsgCapturePolicySet contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>MsgPolicySetXML</i>	Required expression of type String specifying the XML message capture policy set.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADSaveRecRetPolicySet Method

Description	Saves an entity's security policy settings (not property settings).
Syntax	<i>object</i> .ADSaveRecRetPolicySet(EntityID, SessionID, SourceIP, ProjID, RecRetPolicySetXML, ClearRetentionInfo)
The Syntax for ADSaveRecRetPolicySet contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID for the new policy set
<i>RecRetPolicySetXML</i>	Required expression of type String specifying the XML message capture policy set.
<i>ClearRetentionInfo</i>	Required expression of type Long specifying whether to clear the destruction info (which also removes any active/uncompleted destruction review lists), lock info, or both for all documents for the specified project. Possible values are: 0 – no information should be cleared 1 – clear destruction information 2 – clear lock information 3 – clear both destruction and lock information
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADSaveSysMig_Proj Method

Description	Creates a new migration job and associates zero or more system lists with the migration job.
Syntax	<i>object</i> . ADSaveSysMig_Proj (EntityID, SessionID, Parameters, SourceIP, MigID, MigName, SubmitInfo, HoldDate, ProjInfo)
The Syntax for ADSaveSysMig_Proj contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String which is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>MigID</i>	Required expression of type String specifying the migration ID to be updated. If an empty string is specified, a new migration is created.
<i>MigName</i>	Required expression of type String specifying the name of the migration.
<i>SubmitInfo</i>	Required expression of type String specifying the submission information.
<i>HoldDate</i>	Required expression of type String specifying the date/time the migration will be “held” until before running. It is recommended that these date/times be provided in the “yyyy-mm-dd hh:nn:ss” format.

<i>ProjInfo</i>	<p>Required expression of type String specifying the XML document describing the projects to be migrated (project ID, starting document ID if new documents, and starting object ID if new documents and versions). Below is a sample:</p> <pre> <MIGPROJS> <PROJ> <PROJID>1</PROJID> <STARTDOCID>0</ STARTDOCID > <STARTOBJID>0</ STARTOBJID > </PROJ> <PROJ> <PROJID>1</PROJID> <STARTDOCID>0</ STARTDOCID > <STARTOBJID>0</ STARTOBJID > </PROJ> </MIGPROJS> </pre>

Return Value
<p>This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.</p> <p>This XML document also includes the newly created migration job.</p>

ADSaveWorkFlowDef Method

Description	Updates or creates a workflow definition for a project.
Syntax	<i>object</i> . ADSaveWorkFlowDef (EntityID, SessionID, SourceIP, ProjID, WFDefID, WFDefXML, WFPreConditionDefsXML, WFWorkstepDefsXML)
The Syntax for ADSaveWorkFlowDef contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID of the project to be modified.
<i>WFDefID</i>	Required expression of type Long specifying the workflow definition to update (or 0 to create a new one).
<i>WFDefXML</i>	Required expression of type String specifying the XML document containing the workflow definition returned by the <i>workflow definition</i> control.
<i>WFPreConditionDefsXML</i>	Required expression of type String specifying the XML document containing the workflow's pre-conditions returned by the <i>workflow definition</i> control.
<i>WFWorkstepDefsXML</i>	Required expression of type String specifying the XML document containing the workflow's workstep definitions returned by the <i>workflow definition</i> control.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADSetDataGroupReadWrite Method

Description	Sets the Read/Write property for all data groups for an entity.
Syntax	<i>object</i> . ADSetDataGroupReadWrite (EntityID, SessionID, SourceIP, ReadWrite)
The Syntax for ADSetDataGroupReadWrite contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ReadWrite</i>	Required expression of type Boolean indicating the resultant Read/Write status for all data groups for the entity: True=Read/Write; False=Read-Only.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADSetUserPassword Method

Description	Sets a user's password.
Syntax	<i>object</i> . ADSetUserPassword (EntityID, SessionID, SourceIP, UserName, UserID, Password, ExpirePwd)
The Syntax for ADSetUserPassword contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>UserName</i>	Required expression of type String specifying the name of the user being updated. This value is used solely for security tracking reporting purposes.
<i>UserID</i>	Required expression of type Long specifying the ID of the user being updated.
<i>Password</i>	Required expression of type String specifying the new password for the user.
<i>ExpirePwd</i>	Required expression of type Integer specifying whether or not to force the user to change their password the next time they login (0 = do not force change, 1 = force change).
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADUpdateDataGroup Method

Description	Updates a data group's properties.
Syntax	<i>object</i> . ADUpdateDataGroup (EntityID, SessionID, SourceIP, DGID, XMLProperties)
The Syntax for ADUpdateDataGroup contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>DGID</i>	Required expression of type Long specifying the ID of the data group to update.
<i>XMLProperties</i>	Required expression of type String specifying the XML document containing the data group's properties.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADUpdateEnhAuditing Method

Description	Updates a project's enhanced auditing properties.
Syntax	<i>object</i> . ADUpdateEnhAuditing (EntityID, SessionID, SourceIP, ProjID, AuditXML)
The Syntax for ADUpdateEnhAuditing contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID of the project to be modified.
<i>AuditXML</i>	Required expression of type String specifying the XML document containing the enhanced auditing properties.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. If successful, it will also include the project's properties.	

ADUpdateGroup Method

Description	Updates the properties for a group.
Syntax	<i>object</i> . ADUpdateGroup (EntityID, SessionID, SourceIP, GroupID, UserList, GroupSettings)
The Syntax for ADUpdateGroup contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>GroupID</i>	Required expression of type Long specifying the ID of the group to update.
<i>UserList</i>	Required expression of type String specifying a comma-delimited list of user ID's for the users who are members of the group.
<i>GroupSettings</i>	Required expression of type String. Reserved for future use.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADUpdateProjectAddMsgCapFields Method

Description	Adds all of the pre-defined message capture fields to the specified project if the fields do not already exist.
Syntax	<i>object</i> . ADUpdateProjectAddMsgCapFields (EntityID, SessionID, SourceIP, ProjID)
The Syntax for ADUpdateProjectAddMsgCapFields contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID of the project to be modified.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the project's XML configuration.	

ADUpdateProjectAttributes Method

Description	Updates one of a project's document index fields. Note that you cannot change the type of a field.
Syntax	<i>object</i> . ADUpdateProjectAttributes (EntityID, SessionID, SourceIP, ProjID, AttrNames, AttrValues)
The Syntax for ADUpdateProjectAttributes contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID of the project to be modified.
<i>AttrNames</i>	Required expression of type String specifying a tab delimited list of project attribute names.
<i>AttrValues</i>	Required expression of type String specifying a tab delimited list of project attribute values (which correspond to the <i>AttrNames</i>).
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADUpdateProjectField Method

Description	Updates one of a project's document index fields. Note that you cannot change the type of a field.
Syntax	<i>object</i> . ADUpdateProjectField (EntityID, SessionID, SourceIP, ProjID, FieldNum, FieldXML)
The Syntax for ADUpdateProjectField contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID of the project to be modified.
<i>FieldNum</i>	Required expression of type Integer specifying the number of the field to be updated.
<i>FieldXML</i>	Required expression of type String specifying the XML document containing the field definition. See <i>ADAddProjectField</i> for more information.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADUpdateProjectFieldOrder Method

Description	Updates one of a project's document index fields. Note that you cannot change the type of a field.
Syntax	<i>object</i> . ADUpdateProjectFieldOrder (EntityID, SessionID, SourceIP, ProjID, FieldOrder)
The Syntax for ADUpdateProjectFieldOrder contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID of the project to be modified.
<i>FieldOrder</i>	Required expression of type String specifying a pipe (“ ”) or tab delimited list of field names in the desired order.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADUpdateProjectName Method

Description	Updates the name of a project.
Syntax	<i>object</i> . ADUpdateProjectName (EntityID, SessionID, SourceIP, ProjID, ProjName)
The Syntax for ADUpdateProjectName contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID of the project to be modified.
<i>ProjName</i>	Required expression of type String specifying the new name of the project.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADUpdatePVERMOverlayFile Method

Description	Adds or updates the overlay file for a report management job.
Syntax	<i>object</i> . ADUpdatePVERMOverlayFile (EntityID, SessionID, SourceIP, ERMJobID, OverlayFileID, OverlayFileName)
The Syntax for ADUpdatePVERMOverlayFile contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ERMJobID</i>	Required expression of type Long specifying the report management job ID of the job the overlay belongs to.
<i>OverlayFileID</i>	Required expression of type Long specifying the overlay file ID for the overlay (or 0 if this is a new overlay).
<i>OverlayFileName</i>	Required expression of type String specifying the full path and file name of the file containing the overlay form. The server must have full access to this file.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the overlay file ID for the saved overlay file.	

ADUpdateUserEx2 Method

Description	Updates the user properties for the specified UserID.
Syntax	<i>object</i> . ADUpdateUserEx2 (EntityID, SessionID, SourceIP, UserID, FullName, ChangePwd, ExpirePwd, UserType, Email)
The Syntax for ADUpdateUserEx2 contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>UserID</i>	Required expression of type Long specifying the ID of the user being updated.
<i>FullName</i>	Required expression of type String specifying the new Full Name of the user.
<i>ChangePwd</i>	Required expression of type Integer specifying whether to allow the user to change their password when desired (0 = do not allow password changes, 1 = allow password change).
<i>ExpirePwd</i>	Required expression of type Integer specifying whether to force the user to change their password at their next login (0 = do not force, 1 = force password change).
<i>UserType</i>	Required expression of type Long specifying the type of user: <ul style="list-style-type: none"> • 0 = standard user • 1 = entity system administrator • 2 = entity workflow administrator
<i>Email</i>	Required expression of type String specifying the user's email address.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADValidateDataGroups Method

Description	Creates data group validation queue entries.
Syntax	<i>object</i> . ADValidateDataGroups (EntityID, SessionID, SourceIP, DGIDList)
The Syntax for ADValidateDataGroups contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>DGIDList</i>	Required expression of type String specifying a tab-delimited list of data group ID's to be queued for validation. If all data groups are desired, specify an asterisk ("*") instead of a list of ID's.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ADWorkflowTransition_Force Method

Description	Forces a workflow instance to transition from it's current workstep to another workstep.
Syntax	<i>object</i> . ADWorkflowTransition_Force (EntityID, SessionID, SourceIP, WFInstIDList, WSDefID)
The Syntax for ADWorkflowTransition_Force contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>WFInstIDList</i>	Required expression of type String specifying a tab-delimited list of workflow instance ID's to be transitioned to a new workstep.
<i>WSDefID</i>	Required expression of type Long specifying the ID of the new workstep to be transitioned to.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

AddDisclosureReason Method

Description	Adds a new enhanced auditing disclosure reason to the entity's list of disclosure reasons.
Syntax	<i>object</i> . AddDisclosureReason (EntityID, SessionID, SourceIP, ProjID, NewReason)
The Syntax for AddDisclosureReason contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID to add the new information under.
<i>NewReason</i>	Required expression of type String specifying the new disclosure reason to add.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

AddDisclosureRecipient Method

Description	Adds a new enhanced auditing disclosure recipient to the entity's list of disclosure recipients.
Syntax	<i>object</i> . AddDisclosureRecipient (EntityID, SessionID, SourceIP, ProjID, NewRecip)
The Syntax for AddDisclosureRecipient contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID to add the new information under.
<i>NewRecip</i>	Required expression of type String specifying the new disclosure recipient to add.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

AlterDocIndexes Method

Description	Updates the document index values for the specified document(s).
Syntax	<i>object</i> . AlterDocIndexes (EntityID, SessionID, SourceIP, ProjID, DocList, DocIndexInfoXML)
The Syntax for AlterDocIndexes contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID for the documents that are being updated.
<i>DocList</i>	Required expression of type String specifying a comma-delimited list of document ID's for the documents to be updated.
<i>DocIndexInfoXML</i>	<p>Required expression of type String specifying an XML document that contains the updated values as shown below:</p> <pre><ALTERDOCINDEXES> <DOCINDEX1>New Value For Field 1 Here</DOCINDEX1> <DOCINDEX2>New Value For Field 2 Here</DOCINDEX2> ... <DOCINDEX200>New Value Field 200 Here</DOCINDEX200> </ALTERDOCINDEXES></pre> <p>It is only necessary to create "DOCINDEX" entries for the index fields you wish to update.</p>
Return Value	
<p>This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.</p> <p>This XML document also includes FIELDNAMES and FIELDVALUES which indicate the reformatted values as they were saved.</p>	

ApplyDocSec_Project Method

Description	Applies pre-defined document security levels to a list of documents in the specified project.
Syntax	<i>object</i> . ApplyDocSec_Project (EntityID, SessionID, Parameters, SourceIP, DocIDList, DocSecLevels, ProjID)
The Syntax for ApplyDocSec_Project contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String that is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>DocIDList</i>	Required expression of type String specifying a comma-delimited list of document ID's for the documents to be updated.
<i>DocSecLevels</i>	Required expression of type String specifying a comma-delimited list of document security level ID's to be applied to the selected documents.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the project containing the specified documents.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ApplyRecRetDestDate Method

Description	Applies or removes a records retention destruction date to a list of documents in the specified project.
Syntax	<i>object</i> . ApplyRecRetDestDate (EntityID, SessionID, SourceIP, ProjID, DocIDList, ApplyDateTime, Comments)
The Syntax for ApplyRecRetDestDate contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the project containing the specified documents.
<i>DocIDList</i>	Required expression of type String specifying a comma-delimited list of document ID's for the documents to be updated.
<i>ApplyDateTime</i>	Required expression of type String specifying the date and time (i.e. Dec 15, 2008 14:23:02) of the destruction date to be set for the specified documents. If a destruction date is set for any time on Dec 31, 9999 the <i>Comments</i> will be ignored and the document destruction information will be cleared (destruction date, destruction info, and destruction list).
<i>Comments</i>	Required expression of type String specifying any comments to be associated with the destruction date. This value is ignored if the destruction information is being cleared (<i>ApplyDateTime</i> value of Dec 31, 9999).
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the DOCSUPDATED value, indicating the number of documents that were updated by the API call.	

ApplyRecRetLockDate Method

Description	Applies or removes a records retention lock date to a list of documents in the specified project.
Syntax	<i>object</i> . ApplyRecRetLockDate (EntityID, SessionID, SourceIP, ProjID, DocIDList, ApplyDateTime, Comments)
The Syntax for ApplyRecRetLockDate contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the project containing the specified documents.
<i>DocIDList</i>	Required expression of type String specifying a comma-delimited list of document ID's for the documents to be updated.
<i>ApplyDateTime</i>	Required expression of type String specifying the date and time (i.e. Dec 15, 2008 14:23:02) of the lock date to be set for the specified documents. If a lock date is set for any time on Dec 31, 9999 the <i>Comments</i> will be ignored and the document lock information will be cleared (lock date and lock info). Lock dates can never be shortened unless the user has access to clear lock dates. As such, if the specified <i>ApplyDateTime</i> value is before a document's existing lock date, that document will not be updated.
<i>Comments</i>	Required expression of type String specifying any comments to be associated with the lock date. This value is ignored if the lock information is being cleared (<i>ApplyDateTime</i> value of Dec 31, 9999).
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the DOCSUPDATED value, indicating the number of documents that were updated by the API call as well as the DOCIDSNOTUPDATED value, indicating a comma-delimited list of Document ID's that were not updated because their lock date was already later than the specified <i>ApplyDateTime</i> .	

AttachNewDocToProjectEx Method

Description	Adds (or attaches) a new document to the specified project (even if the project is not the current project).
Syntax	<i>object</i> . AttachNewDocToProjectEx (EntityID, SessionID, Parameters, SourceIP, ProjID, FieldNames, FieldValues, OriginalFileName, SavedFile, OriginalFileNameFT, SavedFileFT, AddToFolder)
The Syntax for AttachNewDocToProjectEx contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String that is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the project to add the document to.
<i>FieldNames</i>	Required expression of type String specifying a tab-delimited or pipe-delimited (“ ”) list of document index field names that correspond with the <i>FieldValues</i> parameter.
<i>FieldValues</i>	Required expression of type String specifying a tab-delimited or pipe-delimited (“ ”) list of document index field values for the new document that corresponds with the <i>FieldNames</i> parameter.
<i>OriginalFileName</i>	Required expression of type String specifying the original file name attached.
<i>SavedFile</i>	Required expression of type String specifying the full path and file name where the file has been written (in a location where the server can access it).
<i>OriginalFileNameFT</i>	Required expression of type String specifying the original file name attached for the associated full text file. If no full text file is used, this value should contain an empty string.
<i>SavedFileFT</i>	Required expression of type String specifying the full path and file name where the full text file has been written (in a location where the server can access it). If no full text file is used, this value should contain an empty string.

<i>AddToFolder</i>	Required expression of type String specifying a full path to a file folder in which the document should be placed (shortcutted) after the document has successfully entered the system. Note that the user must have security access to move documents into folders in order to perform this. Also, the user must have security access to create folders if the specified folder doesn't exist. If the <i>AddToFolder</i> value is an empty string (""), the document will be attached to the project, but will not be placed in a folder.
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Return Value

This function returns a String value indicating the XML document containing the results of the method call, including the unique ID of the newly created document (as NEWDOCID). See *Returned XML Documents* for more information.

This XML document also includes the document information (including saved document index values), as well as an ADDEDTOFOLDERID value (specifying the ID of the folder the document was added to) and ADDEDTOFOLDERMSG (specifying an error messages encountered adding the document to the folder).

The web services API call (non- ActiveX/COM interface) also offers the following optional parts:

Part	Description
<i>INFILEDATA</i>	If the <i>SavedFile</i> parameter is blank (because, when making this API call on a remote server, the remote server has no visibility to the path where the file was saved), the remote server will access the <i>INFILEDATA</i> parameter. This node in the XML stream has a data type of "bin.base64" and contains the binary contents of the file being attached.
<i>INFILEDATAFT</i>	If the <i>SavedFileFT</i> parameter is blank (because, when making this API call on a remote server, the remote server has no visibility to the path where the file was saved), the remote server will access the <i>INFILEDATAFT</i> parameter. This node in the XML stream has a data type of "bin.base64" and contains the binary contents of the full text file being attached.

AttachUploadedDocToProjectEx Method

Description	Adds (or attaches) a new document to the specified project (even if the project is not the current project). This assumes that all necessary files for the document have been uploaded to the user's cache (i.e. through use of the <i>TransferTempFile</i> method).
Syntax	<i>object.</i> AttachUploadedDocToProjectEx (EntityID, SessionID, Parameters, SourceIP, ProjID, FieldNames, FieldValues, UploadedFiles, UploadedFileFT, AddToFolder)
The Syntax for AttachUploadedDocToProjectEx contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String that is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the project to add the document to.
<i>FieldNames</i>	Required expression of type String specifying a tab-delimited or pipe-delimited (" ") list of document index field names that correspond with the <i>FieldValues</i> parameter.
<i>FieldValues</i>	Required expression of type String specifying a tab-delimited or pipe-delimited (" ") list of document index field values for the new document that corresponds with the <i>FieldNames</i> parameter.
<i>UploadedFiles</i>	Required expression of type String specifying a tab-delimited or pipe-delimited (" ") list of file names that have been placed in the user's cache (typically through the use of the <i>TransferTempFile</i> method).
<i>UploadedFileFT</i>	Required expression of type String specifying the file name for the document's associated full text file which has been placed in the user's cache (typically through the use of the <i>TransferTempFile</i> method). If no full text file is to be used, this value should contain an empty string.

<i>AddToFolder</i>	Required expression of type String specifying a full path to a file folder in which the document should be placed (shortcutted) after the document has successfully entered the system. Note that the user must have security access to move documents into folders in order to perform this. Also, the user must have security access to create folders if the specified folder doesn't exist. If the <i>AddToFolder</i> value is an empty string (""), the document will be attached to the project, but will not be placed in a folder.
Return Value	
<p>This function returns a String value indicating the XML document containing the results of the method call, including the unique ID of the newly created document (as NEWDOCID). See <i>Returned XML Documents</i> for more information.</p> <p>This XML document also includes the document information (including saved document index values), as well as an ADDEDTOFOLDERID value (specifying the ID of the folder the document was added to) and ADDEDTOFOLDERMSG (specifying an error messages encountered adding the document to the folder).</p>	

CacheDocVersion Method

Description	Caches the requested document's older version so it can be accessed.
Syntax	<i>object.CacheDocVersion</i> (EntityID, SessionID, SourceIP, ProjID, DocID, DocVer)
The Syntax for CacheDocVersion contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID that the document exists in.
<i>DocID</i>	Required expression of type Long specifying the document ID to be cached.
<i>DocVer</i>	Required expression of type String specifying the version of the document to be cached.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also contains information pertinent to locating the document via both a URL and a UNC path.	

ChangePassword_Forced Method

Description	Changes the current user's password and then logs them into the system. This is different from the <i>ConfigChangePassword</i> as it doesn't require the user to be logged in ahead of time.
Syntax	<i>object</i> . ChangePassword_Forced (EntityID, UserName, OldPassword, NewPassword, SourceIP, RequireNew)
The Syntax for ChangePassword_Forced contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>UserName</i>	Required expression of type String specifying the user name of the current user.
<i>OldPassword</i>	Required expression of type String specifying the old password of the current user.
<i>NewPassword</i>	Required expression of type String specifying the new password.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>RequireNew</i>	Required expression of type Boolean specifying whether to require that a new password was entered (different than the old password).
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ChangeUserOptions Method

Description	Updates User Options
Syntax	<i>object</i> . ChangeUserOptions (EntityID, SessionID, Parameters, SourceIP)
The Syntax for ChangeUserOptions contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String specifying a tab delimited list of user options. For example: MAXRESULTS=10<TAB>USEPLUGIN=1
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

CheckSystemHealth Method

Description	Verifies that all of the SQL database servers for all entities can be reached and logged into and then verifies that all paths listed in the “CHECK.DIR” (located in the same directory as the PVDMSys.DLL file) can be accessed.
Syntax	<i>object</i> . CheckSystemHealth()
The Syntax for CheckSystemHealth contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes the results of all of the verifications.	

ClearCache Method

Description	Removes all documents from the cache for the current user.
Syntax	<i>object</i> . ClearCache (EntityID, SessionID, SourceIP)
The Syntax for ClearCache contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ClearCacheSubDir Method

Description	Removes a specific subdirectory from the cache for the current user.
Syntax	<i>object</i> . ClearCacheSubDir (EntityID, SessionID, SourceIP, SubDir)
The Syntax for ClearCacheSubDir contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>SubDir</i>	Required expression of type String specifying the subdirectory to be removed from the user's cache. This can be a multi-level subdirectory (i.e. "DIR1\DIR2\") within the user's cache.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

CompleteWSInstEx Method

Description	Completes a workstep instance and then transitions (creates) new workstep instances.
Syntax	<i>object</i> . CompleteWSInstEx (EntityID, SessionID, SourceIP, WSInstID, WFHistoryAdd, WFInstID, TransToDefIDs)
The Syntax for CompleteWSInstEx contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>WSInstID</i>	Required expression of type Long specifying the workstep instance ID to complete.
<i>WFHistoryAdd</i>	Required expression of type String specifying the information to be added to the history log of the associated workflow instance.
<i>WFInstID</i>	Required expression of type Long specifying the associated workflow instance's ID.
<i>TransToDefIDs</i>	Required expression of type String specifying a comma-delimited list of workstep definition IDs (positive numbers) or workflow definition IDs (negative numbers) to be used to create new workstep instances to transition to.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ConfigChangePassword Method

Description	Changes the user's password.
Syntax	<i>object</i> . ConfigChangePassword (EntityID, SessionID, Parameters, SourceIP, CurrentPwd, NewPwd)
The Syntax for ConfigChangePassword contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String that is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>CurrentPwd</i>	Required expression of type String specifying the user's current password.
<i>NewPwd</i>	Required expression of type String specifying the new password to be used.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ConfirmRecRetListDocs Method

Description	Confirms or denies destruction dates for specified documents in a destruction list.
Syntax	<i>object</i> . ConfirmRecRetListDocs (EntityID, SessionID, SourceIP, DestListID, DocIDList, ApproveDeny, DestDate, DestComments)
The Syntax for ConfirmRecRetListDocs contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>DestListID</i>	Required expression of type Long specifying the List ID of the destruction list containing the specified documents.
<i>DocIDList</i>	Required expression of type String specifying a comma-delimited list of document ID's for the documents to be updated.
<i>ApproveDeny</i>	Required expression of type Integer specifying whether document destruction is approved (1) or denied (0).
<i>DestDate</i>	Required expression of type String specifying the destruction date for the documents. This value is only considered when approving destruction and the destruction policy indicates that the "Reviewer specifies destruction schedule". Otherwise this value is ignored.
<i>DestComments</i>	Required expression of type String specifying any comments to be associated with the destruction date. This value is ignored if the destruction is being denied.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the DOCIDSNOTUPDATED (specifying a comma-delimited list of document ID's that were not updated because they were not part of the destruction list or already had a destruction date set), LISTREMOVED (specifying whether the destruction list was removed/deleted because there were no more remaining documents), and LISTREMAININGDOCS (specifying the number of remaining documents in the destruction list) values.	

CreateDocGrantEx Method

Description	Creates a new document grant for the specified document (or document group).
Syntax	<i>object</i> . CreateDocGrantEx (EntityID, SessionID, SourceIP, ProjID, DocList, Expires, Password, IndexData, FieldsNotVisible)
The Syntax for CreateDocGrantEx contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID to create the document grant in.
<i>DocList</i>	Required expression of type String specifying the document ID (or document group) to create a document grant for.
<i>Expires</i>	Required expression of type String specifying the date that the grant will expire.
<i>Password</i>	Required expression of type String specifying the password to be used to access the new document grant.
<i>IndexData</i>	Required expression of type String specifying a list of document index values to be displayed to the system administrator when reviewing the document grant.
<i>FieldsNotVisible</i>	Required expression of type String specifying a tab delimited list of index field names whose values will not be visible when the document grant is accessed.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes the URL for the new document grant.	

CreateWFInstance Method

Description	Creates a new workflow instance for a document.
Syntax	<i>object</i> . CreateWFInstance (EntityID, SessionID, SourceIP, ProjID, DocID, WFDefID)
The Syntax for CreateWFInstance contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the document that the new workflow instance is to be created for.
<i>DocID</i>	Required expression of type Long specifying the document ID that the new workflow instance is to be created for.
<i>WFDefID</i>	Required expression of type Long specifying the workflow definition ID from which the new instance will be created.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

DeleteDocs_Project Method

Description	Deletes the specified documents from the specified project.
Syntax	<i>object.DeleteDocs_Project</i> (EntityID, SessionID, Parameters, SourceIP, DocIDList, ProjID)
The Syntax for DeleteDocs_Project contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String that is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>DocIDList</i>	Required expression of type String specifying a comma-delimited list of document ID's to be deleted.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the project containing the specified documents.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
The XML document also contains a DOCIDSNOTDELETED value which specifies a comma-delimited list of document ID's for documents which could not be deleted because their records retention lock date had not expired.	

DeleteGlobalSearch_Reload Method

Description	Deletes the selected global search and returns a list of global searches that still exist for the user.
Syntax	<i>object.DeleteGlobalSearch_Reload</i> (EntityID, SessionID, Parameters, SourceIP, SearchID)
The Syntax for DeleteGlobalSearch_Reload contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String that is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>SearchID</i>	Required expression of type Long specifying the global search ID to delete.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
The XML document also contains a list of available global searches for the user.	

DeleteMigrationJobs Method

Description	Deletes the specified migration jobs.
Syntax	<i>object</i> .DeleteMigrationJobs(EntityID, SessionID, SourceIP, JobIDs)
The Syntax for DeleteMigrationJobs contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>JobIDs</i>	Required expression of type String specifying a comma-delimited list of migration job ID's to be deleted.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

DeleteNotifications_Reload Method

Description	Deletes the specified notifications and returns a list of notifications that still exist for the user.
Syntax	<i>object.DeleteNotifications_Reload</i> (EntityID, SessionID, Parameters, SourceIP, NotifyIDs)
The Syntax for DeleteNotifications_Reload contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String that is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>NotifyIDs</i>	Required expression of type String specifying a comma-delimited list of notification ID's to be deleted.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

DisplayDocViewUpgrade Method

Description	Determines whether a web user should be prompted if their document viewer plugin is not running the latest version.
Syntax	<i>object</i> . DisplayDocViewUpgrade (EntityID, SessionID, SourceIP)
The Syntax for DisplayDocViewUpgrade contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a Boolean value indicating whether the user should be prompted if their document viewer plugin is not running the latest version.	
True: The user needs to be prompted.	
False: The user does not need to be prompted.	

DocCheckInOut Method

Description	Performs one of the following functions: - Checks a document out to be modified. - Checks an updated document back into the system. - Undoes a check-out.
Syntax	<i>object</i> . DocCheckInOut (EntityID, SessionID, SourceIP, ProjID, DocID, Operation, InType, InComments, InFile)
The Syntax for DocCheckInOut contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID to perform the operation in.
<i>DocID</i>	Required expression of type Long specifying the document ID to perform the operation on.
<i>Operation</i>	Required expression of type Integer specifying the operation to be performed. 0 = Checks a document out to be modified. 1 = Checks an updated document back into the system. 2 = Undoes a check-out.
<i>InType</i>	Required expression of type Integer that is only used when checking a document back into the system. 0 = Increment the version by a whole number (new version). – i.e. 1.1 to 2.0 1 = Increment the revision (new revision) – i.e. 1.1 to 1.2
<i>InComments</i>	Required expression of type String that is only used when checking a document back into the system. It specifies any comments about the new version.

<i>InFile</i>	Required expression of type String that is only used when checking a document back into the system. It specifies the full path and file name of the updated file to be checked in. If the file has not been written to the cache, then this parameter should be blank and the appropriate <i>INFILEDATA</i> and <i>INFILENAME</i> values should be provided.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes information pertaining to the checkout status of the document.	

The web services API call (non- ActiveX/COM interface) also offers the following optional parts:	
Part	Description
<i>INFILEDATA</i>	If the <i>InFile</i> parameter is blank (because, when making this API call on a remote server, the remote server has no visibility to the path where the file was saved), the remote server will access the <i>INFILEDATA</i> parameter. This node in the XML stream has a data type of “bin.base64” and contains the binary contents of the file being attached.
<i>INFILENAME</i>	If the <i>InFile</i> parameter is blank (because, when making this API call on a remote server, the remote server has no visibility to the path where the file was saved), the remote server will access the <i>INFILEDATA</i> parameter. The contents of the <i>INFILEDATA</i> parameter will be written to a file in the user’s cache location named the value specified in <i>INFILENAME</i> .

DocCheckInTransferred Method

Description	Performs a checkin of a multi-file, image-based document (object type = 0). It expects that any updated files have already been uploaded to the user's cache using <i>TransferTempFile</i> .
Syntax	<i>object.DocCheckInTransferred</i> (EntityID, SessionID, SourceIP, ProjID, DocID, InType, InComments, InFileList, AnnotationHandling)
The Syntax for DocCheckInTransferred contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVACTION
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID to perform the operation in.
<i>DocID</i>	Required expression of type Long specifying the document ID to perform the operation on.
<i>InType</i>	Required expression of type Integer that specifies how the new version number is to be determined. 0 = Increment the version by a whole number (new version). – i.e. 1.1 to 2.0 1 = Increment the revision (new revision) – i.e. 1.1 to 1.2
<i>InComments</i>	Required expression of type String that specifies any comments about the new version.
<i>InFileList</i>	Required expression of type String that specifies a tab-delimited (or pipe-delimited) list of pages. Below is an example: ORIGPAGE:1 test.tif ORIGPAGE:10 The above example will cause a copy of the files for the previous version's original page number 1 and 10 to be made and used as the new version's pages 1 and 3. Additionally, the file named "test.tif" would be copied and used as the new version's page 2.

<i>AnnotationHandling</i>	Required expression of type Integer specifying how annotations are to be handled: 0 = Original annotations will stay with the image they were associated with. 1 = Original annotations will stay associated with the page number they were associated with.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. This XML document also includes information pertaining to the checkout status of the document.	

EmailQueueAdd Method

Description	Creates an email in the server email queue from the user submitting the API call.
Syntax	<i>object</i> . EmailQueueAdd (EntityID, SessionID, Parameters, SourceIP, ProjID, EmailTo, EmailCC, EmailBCC, EmailSubject, EmailBody, AttachDocID, AttachPageRange, EnhAudReason, EnhAudRecip, EnhAudNotes)
The Syntax for EmailQueueAdd contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String. This expression is currently reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID that contains the document to be emailed. This project's security settings must allow email functionality for the user.
<i>EmailTo</i>	Required expression of type String specifying the email address(es) to send the email to. Multiple addresses should be separated by a comma.
<i>EmailCC</i>	Required expression of type String specifying the email address(es) to send the email to as CC recipients. Multiple addresses should be separated by a comma.
<i>EmailBCC</i>	Required expression of type String specifying the email address(es) to send the email to as BCC recipients. Multiple addresses should be separated by a comma.
<i>EmailSubject</i>	Required expression of type String specifying the email subject.
<i>EmailBody</i>	Required expression of type String specifying the email body.
<i>AttachDocID</i>	Required expression of type Long specifying the document to be attached to the email. If this value is less than or equal to zero (0), no attachment will be made.
<i>AttachPageRange</i>	Required expression of type String specifying the page range to be emailed. It only applies to image-based documents (i.e. TIFF's, PDF's, etc). The document will automatically be converted into a multi-page PDF when attached to the email. This value can specify

	either a single specific page (i.e. “3”) or a single page range (i.e. “3-5”).
<i>EnhAudReason</i>	Required expression of type String specifying the disclosure reason (only necessary if using enhanced auditing).
<i>EnhAudRecip</i>	Required expression of type String specifying the disclosure recipient (only necessary if using enhanced auditing).
<i>EnhAudNotes</i>	Required expression of type String specifying the disclosure notes (only necessary if using enhanced auditing).
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes the email queue ID entry created.	

EmptyRecycled_Obj Method

Description	Empties/permanently deletes one or more objects (document version) from the Recycle Bin. Specified objects will only be emptied if recycled and not be locked for retention (or the retention period must have expired). Otherwise they will be ignored. If the object is the last remaining object in a document, the document will also be deleted permanently.
Syntax	<i>object</i> . EmptyRecycled_Obj (EntityID, SessionID, SourceIP, ProjID, ItemIDList)
The Syntax for EmptyRecycled_Obj contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the project the document belongs to.
<i>ItemIDList</i>	Required expression of type String specifying a comma-delimited list of object ID's to empty.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes OBJIDSDELETED (indicating which of the specified object ID's were successfully emptied/deleted) and DOCIDSDELETED (indicating any documents that were deleted as a result of emptying the specified objects).	

EmptyRecycled_Project Method

Description	Causes the creation of a maintenance queue item that empties/permanently deletes all recycled objects (document version) from a project's Recycle Bin that were recycled on or prior to the specified date/time. When the maintenance queue runs, objects will only be emptied if recycled and not locked for retention (or the retention period must have expired). Otherwise they will be ignored. If the object is the last remaining object in a document, the document will also be deleted permanently.
Syntax	<i>object</i> . EmptyRecycled_Project (EntityID, SessionID, SourceIP, ProjID, EmptyDateTime)
The Syntax for EmptyRecycled_Project contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the project the document belongs to.
<i>EmptyDateTime</i>	Required expression of type String specifying the date/time that the objects must have been recycled on or prior to.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ExecuteQuery_DestListID Method

Description	Lists all documents in a records retention destruction list for the specified project.
Syntax	<i>object</i> . ExecuteQuery_DestListID (EntityID, SessionID, Parameters, SourceIP, FormatValues, ProjID, DestListID, StartingDocID)
The Syntax for ExecuteQuery_DestListID contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String. This expression is currently reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>FormatValues</i>	Required expression of type Boolean specifying whether date values returned should be formatted as specified by the project (true) or by a default format "mmm dd, yyyy hh:nn:ss" (false).
<i>ProjID</i>	Required expression of type Long specifying the project ID that is to be searched.
<i>DestListID</i>	Required expression of type Long specifying the List ID of the destruction list for which documents are to be listed.
<i>StartingDocID</i>	Required expression of type Long specifying the minimum document ID to return in the query.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes the search results listing the documents that met the criteria, as well as a LISTREMOVED value (specifying whether the destruction list was removed/deleted because there were no more remaining documents),	

ExecuteQuery_Project Method

Description	Executes the search that was previously submitted via the <i>SubmitGlobalSearchCriteria</i> or <i>SubmitSearchCriteria_Project</i> methods for the specified project.
Syntax	<i>object</i> . ExecuteQuery_Project (EntityID, SessionID, Parameters, SourceIP, FormatValues, ProjID, StartingDocID)
The Syntax for ExecuteQuery_Project contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String specifying operations that can be performed after the initial <i>ExecuteQuery</i> call is issued. “~MORE” – specifies to display the next group of documents that met the search criteria (for use when more documents are available). “INDEXFIELDNAME” – specifies to re-sort on the specified index field name. “~INDEXTHENFT” – specifies that the standard search methodology for combined full-text and index field searches (normally full-text then index field) is reversed (to index field then full-text).
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>FormatValues</i>	Required expression of type Boolean specifying whether date values returned should be formatted as specified by the project (true) or by a default format “mmm dd, yyyy hh:nn:ss” (false).
<i>ProjID</i>	Required expression of type Long specifying the project ID that is to be searched. The last search criteria that was specified for this project will be used for the search. If ProjID is -1, a global search is performed.
<i>StartingDocID</i>	Required expression of type Long specifying the minimum document ID to return in the query. If a value of 0 (zero) is provided, the last document ID returned from the current search will be used to handle “~MORE” requests.

Return Value

This function returns a String value indicating the XML document containing the results of the method call. See *Returned XML Documents* for more information.

This XML document also includes the search results listing the documents that met the search criteria.

ExecuteQueryDocCount_Project Method

Description	Executes the search that was previously submitted via the <i>SubmitGlobalSearchCriteria</i> or <i>SubmitSearchCriteria_Project</i> methods for the specified project and returns the document count (not the document listing).
Syntax	<i>object</i> . ExecuteQueryDocCount_Project (EntityID, SessionID, Parameters, SourceIP, ProjID)
The Syntax for ExecuteQueryDocCount_Project contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String. The contents of this parameter are not important as this is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID that is to be searched. The last search criteria that was specified for this project will be used for the search.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes a DOCCOUNT parameter indicating the number of documents that met the criteria.	

FindAssocDocs Method

Description	Uses the administratively-defined document associations to retrieve lists of associated documents (based on each association's criteria).
Syntax	<i>object</i> . FindAssocDocs (EntityID, SessionID, SourceIP, ProjID, DocIDList)
The Syntax for FindAssocDocs contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID for the specified documents.
<i>DocIDList</i>	Required expression of type String specifying a document ID to retrieve the associated documents for.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes one or more results list for each defined document association the user has security access to.	

FolderCreateFldShortcuts Method

Description	Creates shortcuts of folders within a folder. If a folder (or a folder shortcut) with the same name already exists in the destination folder, the shortcut will automatically be renamed to create a unique name within the destination.
Syntax	<i>object</i> . FolderCreateFldShortcuts (EntityID, SessionID, Parameters, SourceIP, ProjID, SourceFolderIDList, DestParentFolderID, SourceFolderBasePath, DestFolderBasePath)
The Syntax for FolderCreateFldShortcuts contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String. The contents of this parameter are not important as this is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID that contains the specified documents.
<i>SourceFolderIDList</i>	Required expression of type String specifying a tab-delimited list of folders to derive shortcuts from. If the <i>SourceFolderIDList</i> specifies any shortcuts, the new shortcuts will be derived from the real folder (that the shortcut derives from).
<i>DestParentFolderID</i>	Required expression of type String specifying the ID of an existing folder where the shortcuts are to be placed. If <i>DestParentFolderID</i> is an empty string (""), the folders will be moved to the top level folder. If the <i>DestParentFolderID</i> is a shortcut, the new shortcuts will be placed in the real folder (that the shortcut derives from).
<i>SourceFolderBasePath</i>	Required expression of type String specifying the full path of the folder that contains the source folders (being shortcutted). This value is used solely for security tracking purposes.

<i>DestFolderPath</i>	Required expression of type String specifying the full path of the destination folder where the shortcuts are being placed. This value is used solely for security tracking reporting purposes. If the value is blank/empty, no security tracking entry will be made.
Return Value	
<p>This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.</p> <p>The XML document also includes a CREATEDSHORTCUTS parameter listing the shortcuts that were created in the destination folder. This could be used for a calling application to determine which shortcuts were created, if the overall call fails.</p>	

FolderCreateFolder Method

Description	Creates a folder in the specified parent folder (if the folder doesn't already exist within the specified parent folder).
Syntax	<i>object</i> . FolderCreateFolder (EntityID, SessionID, Parameters, SourceIP, ProjID, NewFolderName, ParentFolderID, BaseFolderPath)
The Syntax for FolderCreateFolder contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String. The contents of this parameter are not important as this is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID that contains the specified documents.
<i>NewFolderName</i>	<p>Required expression of type String specifying the folder to be created. Forwardslashes (“/”) are treated the same as backslashes (“\”). If the leading character is a forwardslash or backslash, the <i>ParentFolderID</i> is ignored and the folder is created in the base folder. If the specified <i>NewFolderName</i> contains multiple folder segments, all segments that do not exist will automatically be created. Folder name segments are limited to 255 characters in length and cannot contain the following characters:</p> <ul style="list-style-type: none"> • : • * • ? • < • > • • “ <p>Below are some sample <i>NewFolderName</i> values:</p>

	<ul style="list-style-type: none"> • TestFolder1: Will create a new folder named “TestFolder1” in the specified <i>ParentFolderID</i>. • TestFolder1: Will cause the “TestFolder1” to be created in the base folder. • TestFolder1/Samples/Docs: Will cause three new folders to be created. “TestFolder1” will be created in the specified <i>ParentFolderID</i>. “Samples” will be created in “TestFolder1”. “Docs” will be created in “Samples”
<i>ParentFolderID</i>	Required expression of type String specifying the ID of the folder where the new folder is to be created within. If <i>ParentFolderID</i> is blank, the folder will be created within the base folder. If the <i>ParentFolderID</i> is a shortcut, the new folder will be created within the real folder (that the shortcut derives from).
<i>BaseFolderPath</i>	Required expression of type String specifying the full path of the folder where the new folder is being created. This value is used solely for security tracking reporting purposes. If the value is blank/empty, no security tracking entry will be made.
Return Value	
<p>This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.</p> <p>The XML document also includes NEWFOLDERIDS, NEWFOLDERNAMES, and NEWFOLDERDATES parameters specifying the ID of the newly created folder, the new folder names created (cleaned up), and new folder dates, respectively.</p>	

FolderDeleteDocShortcuts Method

Description	Removes document shortcuts from within a folder. It does not delete the document itself.
Syntax	<i>object</i> . FolderDeleteDocShortcuts (EntityID, SessionID, Parameters, SourceIP, ProjID, DocIDList, ParentFolderID, FolderPath)
The Syntax for FolderDeleteDocShortcuts contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String. The contents of this parameter are not important as this is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID that contains the specified documents.
<i>DocIDList</i>	Required expression of type String specifying a tab-delimited list of documents to remove.
<i>ParentFolderID</i>	Required expression of type String specifying the ID of the folder where the documents are to be removed from. If the <i>ParentFolderID</i> is a shortcut, the documents will be removed from within the real folder (that the shortcut derives from).
<i>FolderPath</i>	Required expression of type String specifying the full path of the folder where the documents are being removed from. This value is used solely for security tracking reporting purposes. If the value is blank/empty, no security tracking entry will be made.
Return Value	<p>This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.</p> <p>The XML document also includes a REMOVEDITEMS parameter listing the documents that were removed from the folder. This could be used for a calling application to determine which documents were removed, if the overall call fails.</p>

FolderDeleteFolders Method

Description	Deletes folders or folder shortcuts. If folders are deleted, all subfolders and shortcuts within those subfolders will also be removed. If a folder shortcut is deleted, only the shortcut is removed.
Syntax	<i>object</i> . FolderDeleteFolders (EntityID, SessionID, Parameters, SourceIP, ProjID, FolderIDList, FolderNameList, ParentFolderID, FolderPath)
The Syntax for FolderDeleteFolders contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String. The contents of this parameter are not important as this is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID that contains the specified folders.
<i>FolderIDList</i>	Required expression of type String specifying a tab-delimited list of folders to remove.
<i>FolderNameList</i>	Required expression of type String specifying a tab-delimited list of folder names being removed. This is used specifically for security tracking.
<i>ParentFolderID</i>	Required expression of type String specifying the ID of the folder where the folders are to be removed from.
<i>FolderPath</i>	Required expression of type String specifying the full path of the folder being deleted. This value is used solely for security tracking reporting purposes. If the value is blank/empty, no security tracking entry will be made.

Return Value

This function returns a String value indicating the XML document containing the results of the method call. See *Returned XML Documents* for more information.

The XML document also includes a REMOVEDITEMS parameter listing the folders that were removed from the folder. This could be used for a calling application to determine which folders were removed, if the overall call fails.

FolderListContents Method

Description	Lists the contents of the specified folder.
Syntax	<i>object</i> . FolderListContents (EntityID, SessionID, Parameters, SourceIP, ProjID, ListFolderID, CheckParentFolderID, FolderPath, StartingDocID, ContentType)
The Syntax for FolderListContents contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String. The contents of this parameter are not important as this is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID that is to be searched.
<i>ListFolderID</i>	Required expression of type String specifying the folder ID whose contents are to be listed. If ListFolderID is an empty string (""), then the top level folder for the specified project ID will be listed. If the <i>ListFolderID</i> is a shortcut, the documents will be removed from within the real folder (that the shortcut derives from).
<i>CheckParentFolderID</i>	Required expression of type String specifying the folder's parent folder ID. If <i>CheckParentFolderID</i> is an empty string (""), no parent checking is performed. If <i>CheckParentFolderID</i> is not an empty string, the parent ID for the <i>ListFolderID</i> will be checked and verified. If the <i>CheckParentFolderID</i> value is no longer valid, the system will look for the first found parent of the specified <i>ListFolderID</i> (returned in the PARENTFOLDERID parameter of the XML results). If the folder no longer exists in the project, error -27566 is returned.
<i>FolderPath</i>	Required expression of type String specifying the full path of the folder whose contents are being listed. This value is used solely for security tracking reporting purposes. If the value is blank/empty, no security tracking entry will be made.

<i>StartingDocID</i>	Required expression of type Long specifying the lowest possible Document ID to list (for listing documents). This allows the listing of contents to be paged according to the system's <i>Max. SQL database results per query</i> setting.
<i>ContentType</i>	Required expression of type Long specifying the type of content information to retrieve: 1 = folders 2 = documents 3 = folders and documents
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. This XML document also includes a DOCS and a FOLDERS collection indicating the contents of the folder.	

FolderMoveDocs Method

Description	Moves documents (optionally from a folder) into a folder.
Syntax	<i>object</i> . FolderMoveDocs (EntityID, SessionID, Parameters, SourceIP, ProjID, DocIDList, NewParentFolderID, OldParentFolderID, NewFolderPath)
The Syntax for FolderMoveDocs contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String. The contents of this parameter are not important as this is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID that contains the specified documents.
<i>DocIDList</i>	Required expression of type String specifying a tab-delimited list of documents to move.
<i>NewParentFolderID</i>	Required expression of type String specifying the ID of an existing folder where the documents are to be moved to. <i>NewParentFolderID</i> cannot be an empty string ("") or the top level folder ID as documents cannot be moved to the top level folder. If the <i>NewParentFolderID</i> is a shortcut, the documents will be moved to the real folder (that the shortcut derives from).
<i>OldParentFolderID</i>	Required expression of type String specifying the folder ID to remove the documents from. If <i>OldParentFolderID</i> is an empty string (""), the documents will be moved to a new folder, but not removed from an existing folder. If the <i>OldParentFolderID</i> is a shortcut, the documents will be removed from the real folder (that the shortcut derives from).
<i>NewFolderPath</i>	Required expression of type String specifying the full path of the new folder where the documents are being moved to. This value is used solely for security tracking reporting purposes. If the value is blank/empty, no security tracking entry will be made.

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Return Value

This function returns a String value indicating the XML document containing the results of the method call. See *Returned XML Documents* for more information.

The XML document also includes a MOVEDITEMS parameter listing the documents that were moved to the folder. This could be used for a calling application to determine which documents were moved, if the overall call fails.

FolderMoveFolders Method

Description	Moves folders from one folder into another folder. A folder with the same name cannot already exist in the new parent folder.
Syntax	<i>object</i> . FolderMoveFolders (EntityID, SessionID, Parameters, SourceIP, ProjID, FolderIDList, NewParentFolderID, OldParentFolderID, NewFolderPath)
The Syntax for FolderMoveFolders contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String. The contents of this parameter are not important as this is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID that contains the specified documents.
<i>FolderIDList</i>	Required expression of type String specifying a tab-delimited list of folders to move.
<i>NewParentFolderID</i>	Required expression of type String specifying the ID of an existing folder where the folders are to be moved to. If <i>NewParentFolderID</i> is an empty string (""), the folders will be moved to the top level folder. If the <i>NewParentFolderID</i> is a shortcut, the folders will be moved to the real folder (that the shortcut derives from).
<i>OldParentFolderID</i>	Required expression of type String specifying the folder ID to remove the folders from. If the <i>OldParentFolderID</i> is a shortcut, the folders will be removed from the real folder (that the shortcut derives from).
<i>NewFolderPath</i>	Required expression of type String specifying the full path of the new folder where the folders are being moved to. This value is used solely for security tracking reporting purposes. If the value is blank/empty, no security tracking entry will be made.

Return Value

This function returns a String value indicating the XML document containing the results of the method call. See *Returned XML Documents* for more information.

The XML document also includes a MOVEDITEMS parameter listing the folders that were moved to the folder. This could be used for a calling application to determine which folders were moved, if the overall call fails.

FolderRenameFolder Method

Description	Renames a folder.
Syntax	<i>object</i> . FolderRenameFolder (EntityID, SessionID, Parameters, SourceIP, ProjID, NewFolderName, FolderID, OldFolderPath)
The Syntax for FolderRenameFolder contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String. The contents of this parameter are not important as this is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID that contains the specified documents.
<i>NewFolderName</i>	<p>Required expression of type String specifying the new folder name. In order for the folder to be renamed, the <i>NewFolderName</i> value must be unique within all parent folders the specified folder is a member of. Folder names are limited to 255 characters in length and cannot contain the following characters:</p> <ul style="list-style-type: none"> • : • * • ? • < • > • • “
<i>FolderID</i>	Required expression of type String specifying the ID of the folder to be renamed.
<i>OldFolderPath</i>	Required expression of type String specifying the full path of the original folder being renamed. This value is used solely for security tracking reporting purposes. If the value is blank/empty, no security tracking entry will be made.

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Return Value

This function returns a String value indicating the XML document containing the results of the method call. See *Returned XML Documents* for more information.

The XML document also includes a NEWFOLDERNAME parameter specifying the name used (after cleaning up the bad characters) to rename the folder.

GetAssocDocQueries Method

Description	Returns the administratively-defined document associations' search criteria for a given document (or grouped document).
Syntax	<i>object</i> . GetAssocDocQueries (EntityID, SessionID, SourceIP, ProjID, DocIDList)
The Syntax for GetAssocDocQueries contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID for the specified documents.
<i>DocIDList</i>	Required expression of type String specifying a document ID (or grouped document, with document ID's separated by asterisks "*") to retrieve the associated document queries for.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes the queries for document associations.	

GetCachePath Method

Description	Returns the cache path on the server for the user.
Syntax	<i>object</i> . GetCachePath (EntityID, SessionID, SourceIP)
The Syntax for GetCachePath contains these parts:	
Part	Description
<i>Object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the cache path for the current user.	

GetCacheURL Method

Description	Returns the cache URL on the server for the user.
Syntax	<i>object</i> . GetCacheURL (EntityID, SessionID, SourceIP)
The Syntax for GetCacheURL contains these parts:	
Part	Description
<i>Object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the cache URL for the current user.	

GetDocAudit Method

Description	Retrieves security audit information for the specified document or document group.
Syntax	<i>object</i> . GetDocAudit (EntityID, SessionID, SourceIP, ProjID, DocIDList)
The Syntax for GetDocAudit contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID for the specified documents.
<i>DocIDList</i>	Required expression of type String specifying a comma-delimited list of document ID's to retrieve the audit information for.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes the document audit information for the specified documents.	

GetDocCheckoutInfo Method

Description	Retrieves the current checkout status of a document.
Syntax	<i>object</i> . GetDocCheckoutInfo (EntityID, SessionID, SourceIP, ProjID, DocID)
The Syntax for GetDocCheckoutInfo contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID for the specified document.
<i>DocID</i>	Required expression of type Long specifying the document ID to retrieve checkout information about.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes the document checkout status information for the specified document.	

GetDocFTQuery Method

Description	Retrieves a textual document outlining hit locations for words queried in a full-text search.
Syntax	<i>object</i> . GetDocFTQuery (EntityID, SessionID, SourceIP, ProjID, DocID, FTQuery, FTOptions)
The Syntax for GetDocFTQuery contains these parts:	
Part	Description
<i>Object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID containing the document.
<i>DocID</i>	Required expression of type Long specifying the document to outline hits for.
<i>FTQuery</i>	Required expression of type String specifying the original <i>FTQuery</i> information that was passed in the initial <i>SubmitSearchCriteria</i> call.
<i>FTOptions</i>	Required expression of type String specifying the original <i>FTOptions</i> information that was passed in the initial <i>SubmitSearchCriteria</i> call.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes the path and URL for the file containing the hit locations.	

GetDocFTQueryEx Method

Description	Retrieves a textual document outlining hit locations for words queried in a full-text search.
Syntax	<i>object</i> . GetDocFTQueryEx (EntityID, SessionID, SourceIP, ProjID, DocID, FTQuery, FTOptions, ClearCache)
The Syntax for GetDocFTQueryEx contains these parts:	
Part	Description
<i>Object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID containing the document.
<i>DocID</i>	Required expression of type Long specifying the document to outline hits for.
<i>FTQuery</i>	Required expression of type String specifying the original <i>FTQuery</i> information that was passed in the initial <i>SubmitSearchCriteria</i> call.
<i>FTOptions</i>	Required expression of type String specifying the original <i>FTOptions</i> information that was passed in the initial <i>SubmitSearchCriteria</i> call.
<i>ClearCache</i>	Required expression of type Boolean specifying whether or not the server should clear the session cache.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes the path and URL for the file containing the hit locations.	

GetDocFullText Method

Description	Retrieves the full-text contents of a document (containing images that have been processed through OCRFlow).
Syntax	<i>object</i> . GetDocFullText (EntityID, SessionID, SourceIP, ProjID, DocID)
The Syntax for GetDocFullText contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID containing the document.
<i>DocID</i>	Required expression of type Long specifying the document to whose full-text contents you wish to retrieve.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes the path and URL for the file containing the full text of the document.	

GetDocRevHist Method

Description	Retrieves the revision history for a document.
Syntax	<i>object</i> . GetDocRevHist (EntityID, SessionID, SourceIP, ProjID, DocID)
The Syntax for GetDocRevHist contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID containing the document.
<i>DocID</i>	Required expression of type Long specifying the document to whose revision history you wish to retrieve.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes the requested revision history for the specified document.	

GetEnhAuditInfo Method

Description	Retrieves a list of disclosure recipients and disclosure reasons for the specified project's enhanced auditing.
Syntax	<i>object</i> . GetEnhAuditInfo (EntityID, SessionID, SourceIP, ProjID)
The Syntax for GetEnhAuditInfo contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID for the project you wish to obtain the enhanced auditing information for.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes the disclosure recipients and disclosure reasons.	

GetIntDefs Method

Description	Retrieves all of the integration definitions for the specified entity.
Syntax	<i>object</i> . GetIntDefs (EntityID, SessionID, SourceIP)
The Syntax for GetIntDefs contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes a list of the entity's integration definitions.	

GetLastSearch_Project Method

Description	Retrieves the last search criteria submitted by the user for the specified project.
Syntax	<i>object</i> . GetLastSearch_Project (EntityID, SessionID, SourceIP, ProjID)
The Syntax for GetLastSearch_Project contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID whose search criteria is to be retrieved.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes the user's last search criteria.	

GetMiscUserSetting Method

Description	Retrieves a user's named settings from the User Settings table.
Syntax	<i>object</i> . GetMiscUserSetting (EntityID, SessionID, SourceIP, SettingName)
The Syntax for GetMiscUserSetting contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>SettingName</i>	Required expression of type String specifying the name of the setting to retrieve. A tab-delimited list of values can also be used to retrieve multiple settings in a single API call.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes the setting values (if they exist).	

GetRemoteAuthInfo Method

Description	Retrieves the appropriate entity ID, encrypted user name, and redirection URL for use with the remote authentication gateway. The configuration of the retrieved information is configured by the PaperVision Gateway Settings application. It is important to note that this method is not enabled to be called remotely through the <i>HTTPHandler</i> method or <i>HTTPInterface.ASP</i> .
Syntax	<i>object</i> . GetRemoteAuthInfo (EntityID, SourceIP, UserName)
The Syntax for GetRemoteAuthInfo contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: <i>PVAction</i>
<i>EntityID</i>	Required expression of type Long specifying the Entity ID to be returned. If a value less than or equal to zero is provided, the returned ENTITYID parameter will contain the <i>Default Entity ID</i> configured in the PaperVision Gateway Settings application.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>UserName</i>	Required expression of type String specifying the authenticated user name (i.e. Domain\User) which is to be encrypted using the <i>Encryption Key Value</i> configured in the PaperVision Gateway Settings application.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. This XML document includes the following information: <ul style="list-style-type: none"> ENCUSERNAME: Returns the specified <i>UserName</i> encrypted using the <i>Encryption Key Value</i> configured in the PaperVision Gateway Settings application. REMOTEREDIRECT: Returns the <i>Redirection URL</i> configured in the PaperVision Gateway Settings application. ENTITYID: If the specified <i>EntityID</i> is greater than zero, then the specified value is returned. Otherwise, it will return the <i>Default Entity ID</i> configured in the PaperVision Gateway Settings application. 	

GetUserSettings Method

Description	Retrieves the user-defined system settings for the specified user.
Syntax	<i>object</i> . GetUserSettings (EntityID, SessionID, SourceIP)
The Syntax for GetUserSettings contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes the user's system settings.	

GetWFStatus Method

Description	Retrieves the workflow status for any workflow instances related to the specified document.
Syntax	<i>object</i> .GetWFStatus(EntityID, SessionID, SourceIP, ProjID, DocID)
The Syntax for GetWFStatus contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID containing the document.
<i>DocID</i>	Required expression of type Long specifying the document to whose workflow status you wish to retrieve.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes the workflow status for any workflow instances related to the specified document.	

GetWorkstepCounts Method

Description	Retrieves a list of worksteps (within workflows) to which the user has access. For each workstep, a count of user-owned and unowned workstep instances will be listed. Note that the user-owned counts may not match the number of instances returned in <i>ListWorkstepInsts</i> as this function doesn't validate the user's access to any associated documents' document security levels.
Syntax	<i>object</i> . GetWorkstepCounts (EntityID, SessionID, SourceIP)
The Syntax for GetWorkstepCounts contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes the workflow status for any workflow instances related to the specified document.	

HTTPHandler Method

Description	Processes raw web services requests. See the <i>Web Services</i> section of the <i>PaperVision Enterprise API Reference Guide</i> manual for more information.
Syntax	<i>object</i> . HTTPHandler (RequestData, SourceIP)
The Syntax for HTTPHandler contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>RequestData</i>	Required expression of type String specifying the XML document containing the web services request as described in the <i>Web Services</i> section of the <i>PaperVision Enterprise API Reference Guide</i> manual.
<i>SourceIP</i>	Required expression of type String specifying the source IP address of the requesting computer.
Return Value	
This function returns a String value indicating the results of the method call made via the web services request just as if there were returned directly from the COM API call.	

KillSession Method

Description	Terminates a user's session (effectively logging them out).
Syntax	<i>object</i> . KillSession (EntityID, SessionID, SourceIP)
The Syntax for KillSession contains these parts:	
Part	Description
<i>Object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

ListCodes Method

Description	Lists custom code definition ID's by querying on CodeType
Syntax	<i>object</i> . ListCodes (EntityID, SessionID, SourceIP, CodeType, ProjID)
The Syntax for ListCodes contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>CodeType</i>	Required expression of type Integer specifying the type of custom code definitions to list. A negative one (-1) for this value will cause it to list all types of code definitions. 0=Miscellaneous 1 = Workflow Automated Custom Code 2 = Workflow Manual Custom Code
<i>ProjID</i>	Required expression of type Long specifying the project ID associated with the custom code. Zero (0) is a valid value which indicates a code definition is not associated with a specific project.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes a list code definition ID's.	

ListCodesByName Method

Description	Lists custom code definition ID's by querying on CodeName.
Syntax	<i>object</i> . ListCodesByName (EntityID, SessionID, SourceIP, CodeName, ProjID)
The Syntax for ListCodesByName contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>CodeName</i>	Required expression of type String indicating the SQL query string to search against the database's CODENAME column. A standard name such as ABC is allowed, as is a wildcard search such as ABC%.
<i>ProjID</i>	Required expression of type Long specifying the project ID associated with the custom code. Zero (0) is a valid value which indicates a code definition is not associated with a specific project.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes a list code definition ID's.	

ListMigrationJobs Method

Description	Lists the migration jobs that have been setup by the user.
Syntax	<i>object</i> . ListMigrationJobs (EntityID, SessionID, SourceIP)
The Syntax for ListMigrationJobs contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes a list of the user's migration jobs.	

ListSignatures Method

Description	Lists all of the signatures for a given Object.
Syntax	<i>object</i> . ListSignatures (EntityID, SessionID, SourceIP, ProjID, ObjID)
The Syntax for ListSignatures contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project of the document/object.
<i>ObjID</i>	Required expression of type Long specifying the Object ID's of the document's signatures to list.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes a list of signatures for the specified document.	

ListWFDefs Method

Description	Lists any workflow definitions that have been configured for the specified project.
Syntax	<i>object</i> . ListWFDefs (EntityID, SessionID, SourceIP, ProjID)
The Syntax for ListWFDefs contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID for the project to retrieve the workflow definitions for.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes a list of the project's workflow definitions.	

ListWorkstepInsts Method

Description	Retrieves two lists of active workstep instances for the specified workstep definition: 1 – instances that are owned by the current user. 2 – instances that are un-owned.
Syntax	<i>object</i> . ListWorkstepInsts (EntityID, SessionID, SourceIP, WSDefID, MaxRecords)
The Syntax for ListWorkstepInsts contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>WSDefID</i>	Required expression of type Long specifying the workstep definition ID to list instances for.
<i>MaxRecords</i>	Required expression of type Long specifying the maximum number of items to return. Set this value to zero to return all items.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. This XML document also includes a list of workstep instances (for the defined workstep definition) that the current user owns and a list of workstep instances (for the defined workstep definition) that are un-owned.	

ListWorksteps Method

Description	Lists all of the workstep definitions (and their associated workflow definitions) that the current user has access to.
Syntax	<i>object</i> . ListWorksteps (EntityID, SessionID, SourceIP)
The Syntax for ListWorksteps contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes a list of workstep definitions and their associated workflow definitions.	

LoadCode Method

Description	Loads a custom code definition.
Syntax	<i>object</i> . LoadCode (EntityID, SessionID, SourceIP, CodeID)
The Syntax for LoadCodeID contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>CodeID</i>	Required expression of type String specifying the ID of the code to load.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes the custom code definition. Note that the CodeText returned is encrypted. This function is intended for internal user only.	

LoadDocAttachInfo_Project Method

Description	Retrieves the document's index values and checkout information (assumes the document is in the current project) and verifies that the user has security access to add (or attach) new documents.
Syntax	<i>object</i> . LoadDocAttachInfo_Project (EntityID, SessionID, Parameters, SourceIP, DocIDList, ProjID)
The Syntax for LoadDocAttachInfo_Project contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String which is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>DocIDList</i>	Required expression of type String specifying the document ID for the document you wish to retrieve the information.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the project containing the specified document.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes the document's index values and checkout information.	

LoadDocEditInfo_Project Method

Description	Verifies that the user has security access to edit document index values for the specified project.
Syntax	<i>object</i> . LoadDocEditInfo_Project (EntityID, SessionID, Parameters, SourceIP, ProjID)
The Syntax for LoadDocEditInfo_Project contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String which is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the project to verify.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

LoadDocIndexValues Method

Description	Retrieves document index value information without caching any pages.
Syntax	<i>object</i> . LoadDocIndexValues (EntityID, SessionID, Parameters, SourceIP, ProjID, DocIDList)
The Syntax for LoadDocIndexValues contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String which is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the project the document resides in.
<i>DocIDList</i>	Required expression of type String specifying the document ID (or document group ID) for the requested document.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes all of the document's index value information.	

LoadDocInfo Method

Description	Retrieves document information (along with some other system information specified below) and caches the requested document's page file(s).
Syntax	<i>object</i> . LoadDocInfo (EntityID, SessionID, Parameters, SourceIP, ProjID, DocIDList, PageRange)
The Syntax for LoadDocInfo contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String which can include multiple optional settings, separated by pipe (" ") characters. If this expression includes the text "ENCRYPTDOCS", any cached documents for this call and all subsequent calls for this session will be encrypted. This encryption will only be cleared by a call to LoadSystemAccess. If this expression includes the text "NOFIELDFORMATTING", any index field data returned for this call will be returned unformatted (i.e. dates returned in ISO 8601 format rather than index field format, Booleans returned as 1 or 0, numbers and currencies returned with only the numeric values, negative indicators, and the server's decimal character).
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the project the document resides in.

<i>DocIDList</i>	Required expression of type String specifying the document ID (or document group ID) for the requested document.
<i>PageRange</i>	<p>Required expression of type String specifying the page range to cache for retrieval.</p> <p>“5” – caches only page 5 “1-5” – caches pages 1 through 5</p> <p>If the document specified is a multi-page image file, it is only necessary to cache the first page (1) as requesting additional pages will simply cause the document’s multi-page image file to be cached one time for each page requested.</p>
Return Value	
<p>This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.</p> <p>This XML document also includes the list of documents that met the last search criteria issued by the user (DOCIDLIST), the last full text query issued by the user (LASTFTQUERY) and the options associated with that query (LASTFTOPTIONS), all of the document’s information (index values, page counts, object ID’s, hash information, data group ID’s, version times, and source document ID), and the cache information specifying the URL and file locations for all of the requested cached pages.</p>	

LoadDocInfoEx Method

Description	Retrieves document information (along with some other system information specified below) and caches the requested document's page file(s).
Syntax	<i>object</i> . LoadDocInfoEx (EntityID, SessionID, Parameters, SourceIP, ProjID, DocIDList, PageRange, ClearCache)
The Syntax for LoadDocInfoEx contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String which can include multiple optional settings, separated by pipe (" ") characters. If this expression includes the text "ENCRYPTDOCS", any cached documents for this call and all subsequent calls for this session will be encrypted. This encryption will only be cleared by a call to LoadSystemAccess. If this expression includes the text "NOFIELDFORMATTING", any index field data returned for this call will be returned unformatted (i.e. dates returned in ISO 8601 format rather than index field format, Booleans returned as 1 or 0, numbers and currencies returned with only the numeric values, negative indicators, and the server's decimal character).
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the project the document resides in.

<i>DocIDList</i>	Required expression of type String specifying the document ID (or document group ID) for the requested document.
<i>PageRange</i>	<p>Required expression of type String specifying the page range to cache for retrieval.</p> <p>“5” – caches only page 5 “1-5” – caches pages 1 through 5</p> <p>If the document specified is a multi-page image file, it is only necessary to cache the first page (1) as requesting additional pages will simply cause the document’s multi-page image file to be cached one time for each page requested.</p>
<i>ClearCache</i>	Required expression of type Boolean specifying whether or not the server should clear the session cache if another page is being cached.
Return Value	
<p>This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.</p> <p>This XML document also includes the list of documents that met the last search criteria issued by the user (DOCIDLIST), the last full text query issued by the user (LASTFTQUERY) and the options associated with that query (LASTFTOPTIONS), all of the document’s information (index values, page counts, object ID’s, hash information, data group ID’s, version times, source document ID, etc.), and the cache information specifying the URL and file locations for all of the requested cached pages.</p>	

LoadDocSecInfo_Project Method

Description	Retrieves a list of all of the document security levels that are in use for the specified documents as well as a list of all of the document security levels available for the specified project.
Syntax	<i>object</i> . LoadDocSecInfo_Project (EntityID, SessionID, Parameters, SourceIP, DocIDList, ProjID)
The Syntax for LoadDocSecInfo_Project contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String which is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>DocIDList</i>	Required expression of type String specifying a comma-delimited list of documents to retrieve security levels for.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the project containing the specified documents.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes a comma-delimited list of document security levels that are in use for the specified documents (USEDDOCSECLEVELS) and a list of all of the document security levels available for the current project.	

LoadEformDefEx Method

Description	Retrieves the most recent version of an e-form definition or a specific version.
Syntax	<i>object</i> . LoadEformDefEx (EntityID, SessionID, SourceIP, EformID, VersionID)
The Syntax for LoadEformDefEx contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>EformID</i>	Required expression of type Long specifying the ID of the e-form definition to load.
<i>VersionID</i>	Required expression of type Long specifying the VersionID of the e-form definition to load. If the specified value is zero (0), then the most recent version is loaded.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information. It also contains the requested item's properties.	

LoadGlobalSearches Method

Description	Retrieves all of the global searches that are defined for the user.
Syntax	<i>object</i> . LoadGlobalSearches (EntityID, SessionID, Parameters, SourceIP)
The Syntax for LoadGlobalSearches contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String which is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes a list of all of the global searches that are available for the current user.	

LoadGrantInfo Method

Description	Accesses the specified document grant and either (1) creates a session for the retrieval of the grant document or (2) returns a “PASSWORDREQUIRED” status indicating that an invalid password was passed.
Syntax	<i>object</i> . LoadGrantInfo (SourceIP, GrantID, Password)
The Syntax for LoadGrantInfo contains these parts:	
Part	Description
<i>Object</i>	An expression that evaluates to an object of type: PVAction
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>GrantID</i>	Required expression of type String specifying the document grant ID.
<i>Password</i>	Required expression of type String specifying the password for the document grant.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes one of the following additional sets of information: (1) a “PASSWORDREQUIRED” value of 1 indicating that a password was required or (2) the document ID, project ID, session ID, and entity ID necessary to retrieve the document for which the grant was created.	

LoadNotifications Method

Description	Retrieves a list of notifications that are waiting for the user.
Syntax	<i>object</i> . LoadNotifications (EntityID, SessionID, Parameters, SourceIP)
The Syntax for LoadNotifications contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String which is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes a list of all of the notifications that are waiting for the user.	

LoadProjectInfo Method

Description	Retrieves the specified project's index field settings, whether full-text searching is available on the project, and the project name.
Syntax	<i>object</i> . LoadProjectInfo (EntityID, SessionID, Parameters, SourceIP)
The Syntax for LoadProjectInfo contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String specifying the project ID to retrieve.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes the specified project's index field settings, whether full-text searching is available on the project, and the project name.	

LoadProjectInfoAll Method

Description	Retrieves index field settings, whether full-text searching is available on the project, and the project name for all of the projects the current user has access to.
Syntax	<i>object</i> . LoadProjectInfoAll (EntityID, SessionID, Parameters, SourceIP)
The Syntax for LoadProjectInfoAll contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String which is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes project index field settings, whether full-text searching is available on the project, and the project name for all of the projects the current user has access to.	

LoadSystemAccess Method

Description	Populates the user's session with their security access and project information for all projects and returns a list of projects the user has access to and worksteps the user has access to that are waiting un-owned.
Syntax	<i>object</i> . LoadSystemAccess (EntityID, SessionID, SourceIP)
The Syntax for LoadSystemAccess contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes a list of projects the user has access to as well as a list of worksteps (and their count of un-instances) that the user has access to.	

LoadWFInst Method

Description	Retrieves the current workstep instance information for the specified workflow instance (only if the workstep is unowned or owned by the current user).
Syntax	<i>object</i> . LoadWFInst (EntityID, SessionID, SourceIP, WFInstID, Parameters)
The Syntax for LoadWFInst contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>WFInstID</i>	Required expression of type Long specifying the workflow instance ID for the workstep to be retrieved.
<i>Parameters</i>	Required expression of type String which is reserved for future use.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes the workstep instance information (and associated workflow instance information) as well as a list of post conditions (DOCINDEXPOSTCONDSMET) that were met by the document's index values (if <i>CheckDocIndexes</i> is True).	

LoadWSInst Method

Description	Retrieves the workstep instance information for the specified workstep instance.
Syntax	<i>object</i> . LoadWSInst (EntityID, SessionID, SourceIP, WSInstID, CheckDocIndexes)
The Syntax for LoadWSInst contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>WSInstID</i>	Required expression of type Long specifying the workstep instance ID for the workstep to be retrieved.
<i>CheckDocIndexes</i>	<p>Required expression of type Boolean specifying whether the post-conditions pertaining to the document's index values should be evaluated at the server.</p> <p>True: Return a list of post-conditions that are met based on the document's index values.</p> <p>False: Skips the process of evaluating the document's index values.</p>
Return Value	
<p>This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.</p> <p>This XML document also includes the workstep instance information (and associated workflow instance information) as well as a list of post conditions (DOCINDEXPOSTCONDSMET) that were met by the document's index values (if <i>CheckDocIndexes</i> is True).</p>	

LoginPublicEformUser Method

Description	Creates a session for a public user that has only limited access for submitting public e-forms.
Syntax	<i>object</i> . LoginPublicEformUser (EntityID, SourceIP, EformID)
The Syntax for LoginPublicEformUser contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>EformID</i>	Required expression of type Long specifying the E-form ID that will be used to determine project attachment options.
Return Value	
This function returns a String value indicating the XML document with the following information:	
RESULTVAL: Specifies the result of the login – (0) good login, (3) invalid entity ID, (4) login not allowed from source IP address, (5) no logins are allowed for this entity because it is disabled.	
RESULTMSG: Specifies a message corresponding to RESULTVAL.	
DEMOMODE: Specifies whether the session is running in demo mode or full-licensed mode.	
SESSIONID: Session ID issued (if a good login)	

LoginUserEx3 Method

Description	Validates the user's login credentials and creates a session for the user. If the user is successfully logged in, it then also populates the user's session with their security access and project information for all projects and returns a list of projects the user has access to and worksteps the user has access to that are waiting un-owned (providing the same information as the <i>LoadSystemAccess</i> call.
Syntax	<i>object.LoginUserEx3</i> (EntityID, UserName, Password, SourceIP, CoreLicType, ClientPingable, RemoteAuth)
The Syntax for LoginUserEx3 contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>UserName</i>	Required expression of type String specifying the user name. See <i>RemoteAuth</i> below for additional information.
<i>Password</i>	Required expression of type String specifying the user's password. See <i>RemoteAuth</i> below for additional information.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>CoreLicType</i>	Required expression of type String which is reserved and should always be an empty string "".
<i>ClientPingable</i>	Required expression of type Boolean specifying whether or not the calling application will be able to make the required <i>PingSession</i> calls to indicate that the application is still running.
<i>RemoteAuth</i>	Required expression of type Boolean specifying whether or not the request is being generated by an authorized remote authentication gateway. If this value is True, the <i>UserName</i> value should specify the user name (as determined by the remote authentication gateway) encrypted using the Entity's Remote Authentication Gateway Encryption Key value and the <i>Password</i> value should be an empty string "".

Return Value

This function returns a String value indicating the XML document with the following information:

RESULTVAL: Specifies the result of the login – (0) good login, (1) invalid user name, (2) invalid password, (3) invalid entity ID, (4) login not allowed from source IP address, (5) no logins are allowed for this entity because it is disabled, (6) user account is locked out, (7) not enough licenses available.

RESULTMSG: Specifies a message corresponding to RESULTVAL.

DEMOMODE: Specifies whether the session is running in demo mode or full-licensed mode.

CHANGEPWD: Specifies that the system is requesting a required password change before logging in.

SESSIONID: Session ID issued (if a good login)

PINGTIME: Specifies how often (in seconds) the client application must make the required *PingSession* call to indicate that it is still running. There is a 20 second grace period added to this value. Any value greater than zero indicates that *PingSession* must be called at the specified interval or the session will be killed automatically.

If the user was successfully logged in, this XML document also includes a list of projects the user has access to as well as a list of worksteps (and their count of un-instances) that the user has access to.

LoginWindowsUser Method

Description	Validates the user's login credentials, using their windows domain user name, and creates a session for the user. If the user is successfully logged in, it then also populates the user's session with their security access and project information for all projects and returns a list of projects the user has access to and worksteps the user has access to that are waiting un-owned (providing the same information as the <i>LoadSystemAccess</i> call.
Syntax	<i>object.LoginWindowsUser</i> (EntityID, SourceIP, CoreLicType)
The Syntax for LoginWindowsUser contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>CoreLicType</i>	Required expression of type String that should always specify an empty string (""). This value is reserved.
Return Value	
This function returns a String value indicating the XML document with the following information:	
<p>RESULTVAL: Specifies the result of the login – (0) good login, (1) invalid user name, (2) invalid password, (3) invalid entity ID, (4) login not allowed from source IP address, (5) no logins are allowed for this entity because it is disabled, (6) user account is locked out, (7) not enough licenses available.</p> <p>RESULTMSG: Specifies a message corresponding to RESULTVAL.</p> <p>DEMOMODE: specifies whether the session is running in demo mode or full-licensed mode.</p> <p>SESSIONID: Session ID issued (if a good login)</p> <p>If the user was successfully logged in, this XML document also includes a list of projects the user has access to as well as a list of worksteps (and their count of un-instances) that the user has access to.</p>	

MigrateDocs_Project Method

Description	Tags the selected documents for migration.
Syntax	<i>object</i> . MigrateDocs_Project (EntityID, SessionID, Parameters, SourceIP, DocIDList, ProjID)
The Syntax for MigrateDocs_Project contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String which is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>DocIDList</i>	Required expression of type String specifying a comma-delimited list of document ID's for the documents to be tagged for migration.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the project containing the specified documents.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

PingSession Method

Description	Allows the client application to indicate to the server that the client is still running. This function is required if the <i>PINGTIME</i> value returned by the <i>LoginUserEx3</i> function is anything but zero (0). This function must be called at the interval specified by <i>PINGTIME</i> .
Syntax	<i>object</i> . PingSession (EntityID, SessionID, SourceIP)
The Syntax for ValidateSession contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the a <i>PINGCOMPLETE</i> value of 1 if the ping was successful.	

RetrieveDocEx Method

Description	<p>Performs the following functions:</p> <ul style="list-style-type: none"> • Loads document information • Caches specified files for pages. Pages are cached into the following path: <SessionCachePath>\<CacheSubDir>\Pr<ProjID>\Doc<DocID>\ • Returns an encrypted pointer to the page files in their source data group • Retrieves annotations and textual notes related to the requested pages
Syntax	<i>object</i> . RetrieveDocEx (EntityID, SessionID, Parameters, SourceIP, ProjID, DocID, Pages, SkipCacheExtensions, CacheSubDir, ClearSessionCache, ClearSessionCacheSubDir, DocVer)
The Syntax for RetrieveDocEx contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String. This is currently ignored and is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the project the document resides in.
<i>DocID</i>	Required expression of type Long specifying the document ID for the requested document.

<i>Pages</i>	<p>Required expression of type String specifying the page range to cache or identify.</p> <p>“5” – caches only page 5 “1-5” – caches pages 1 through 5</p> <p>An empty string for this value will cause no pages to be cached or identified. An asterisk (“*”) will cause all pages for the document to be cached or identified. It is STRONGLY suggested, that in order to provide the best user experience, this always reference a single page (making subsequent calls for other pages as they are necessary) unless a batch operation of some sort will actually utilize all of the pages at once.</p>
<i>SkipCacheExtensions</i>	<p>Required expression of type String specifying a pipe-delimited (“ ”) list of file extensions. When a page file that would normally be cached has a file extension that matches one in this list, it will NOT be cached unless it is overridden by the administrator-defined “Registered File Types” value (which indicates that the administrator has specified that the file types are to always be displayed in their native application). Wildcards are not supported, other than the special case of a single asterisk (“*”) which indicates that nothing should be cached.</p> <p>This list of <i>SkipCacheExtensions</i> is typically used as a list of extensions that the calling module is capable of accessing (and decrypting if necessary) and converting/rendering on its own.</p>
<i>CacheSubDir</i>	<p>Required expression of type String specifying a subdirectory within the session cache path where the document page files are cached. If this is not specified, the pages will be cached into their normal locations within the session cache location.</p>
<i>ClearSessionCache</i>	<p>Required expression of type Boolean which, when True, causes the entire session cache to be emptied (if possible) prior to completing any operation (typically should be False). This is the same as calling <i>ClearCache</i> prior to executing <i>RetrieveDoc</i>.</p>
<i>ClearSessionCacheSubDir</i>	<p>Required expression of type Boolean which, when True, causes the entire contents of the <i>CacheSubDir</i> within the session cache to be emptied (if possible) prior to completing any operation (typically should be False). This is the same as calling <i>ClearCacheSubDir</i> prior to executing <i>RetrieveDoc</i>.</p>

<i>DocVer</i>	Required expression of type String indicating the Version Number of the document to retrieve/cache. If an empty string (“”), then the most current version of the document will be used.

Return Value

This function returns a String value indicating the XML document containing the results of the method call. See *Returned XML Documents* for more information.

Below is a list of information included in the XML document, specific to this function call:

- PROJID – Requested Project ID.
- REGISTEREDFILETYPES – List of registered file extensions that the administrator has specified should automatically be opened in their native application.
- CACHEPATH – Path where requested document is cached.
- CACHEURL – URL referencing path to where requested document is cached.
- CACHEENCRYPTKEYVALUE – Encryption key that is used to encrypt/decrypt files that are written to the cache. This key is encrypted.
- DOC – XML containing information pertaining to the requested document.
 - DOCID – Requested DOCID.
 - DUPEID – Duplicate ID for duplicate documents (those with multiple index entries pointing to the same set of images).
 - SECURED – Indicates whether the document has at least one security level applied to it.
 - CHECKOUTTIME – Date/time when the document was checked out. Blank if not checked out.
 - CHECKOUTUSERID – User ID who has the document checked out. Zero (“0”) if not checked out.
 - SOURCEDOCID – Doc ID from the source data group.
 - DGID – Data group ID where the document exists.
 - FTINDEX – Full-text database number (or zero if no full-text data).
 - CREATEDATE – Date/time when the document was brought into the system.
 - LOCKDATE – Records retention date.
 - LOCKINFO – Records retention info (XML).
 - DESTDATE – Records destruction date.
 - DESTINFO – Records destruction info (XML).
 - DESTLISTID – Records retention list ID (if it has been added to a list).
 - DOCINDEX1..N – Document index field values.
 - PAGECOUNT – Number of pages within the document. This value will be negative one (“-1”) if the document is object type 1 (single multi-page image file), 2 (single external file, such as a Word document), 4

(informational document, such as CAR), 6 (PVMsg document), or 7 (external multi-part file containing attachments, such as MSG or EML). The negative one (“-1”) value indicates that either PageCount doesn’t apply to that document type (object type 2 if not PDF, 4, 6, or 7) or the PageCount must be determined by the client (object type 1, or object type 2 if PDF). In other words, this value is only supplied with a valid page count if object type 0 (multiple single page images), 3 (DataFlow COLD), or 5 (PVERM COLD).

- FILELIST – Internal structured file list value (from database). This is NOT a list of files for retrieval.
- OBJTYPE – Object type for the most current version of the document.
- OBJID – Object ID for the most current version of the document.
- OBJTRASHDATETIME – If the object has been recycled, indicates the date/time that the recycle took place.
- HASHTYPE – Hash type for the most current version of the document.
- HASHINFO – Hash info for the most current version of the document.
- VERSIONTIME – Date/time that the most current version was created.
- ORIGDGNAME – Original data group name for the most current version of the document.
- DGENCRYPTKEYVALUE – Encryption Key value for the data group containing the most current version of the document (encryption of source file at rest). This string is encrypted.
- CACHE – XML containing information pertaining to any requested pages.
 - PAGE – Page entry for each cached/retrieved page.
 - PAGENUM – Page Number. This value will be negative one (“-1”) if the document is object type 1 (single multi-page image file), 2 (single external file such as a Word document), 4 (informational document such as CAR), 6 (PVMsg document), or 7 (external multi-part file containing attachments such as MSG or EML). The negative one (-1) value indicates that page number doesn’t apply to the server. In other words, this value is only supplied with a valid value if object type 0 (multiple single page images), 3 (DataFlow COLD), or 5 (PVERM COLD).
 - PAGECACHEPATH – File name where the page’s file was cached within the appropriate cache directory structure:
<SessionCachePath>\<CacheSubDir>\Pr<ProjID>\Doc<DocID>\
 - PAGESOURCEFILEPATH – Encrypted full path to the source file in the source data group. If this is a file that exists in a file set, the path to the file set is provided instead.
 - DGFILEPATH – Path from the root of the data group to this file within the data group. This value is typically used to provide file information within the client.
 - ASSOCFILES – XML containing information pertaining to associated files that are cached (i.e. generated overlays for COLD/ERM pages).

- ASSOCFILECACHEPATH – File name where the page's file was cached within the appropriate cache directory structure:
<SessionCachePath>\<CacheSubDir>\Pr<ProjID>\Doc<DocID>\
- There may be multiple ASSOCFILECACHEPATH entries for a given page.
- ANNOTATIONS – XML containing information related to document annotations.
 - ANNOTATION – XML containing information related to a page annotation (one for each page that has an annotation and/or textual note).
 - PAGE – Page number associated with the annotation and/or textual note.
 - ANNOTXMLCACHEPATH – File name where the page's annotation file was cached within the appropriate cache directory structure:
<SessionCachePath>\<CacheSubDir>\Pr<ProjID>\Doc<DocID>\
 - TEXTNOTE – Textual note content for the page.

RetrieveDocuments Method

Description	Retrieves detailed information about the specified documents. This returns the same information as <i>RetrieveObjects</i> .
Syntax	<i>object</i> . RetrieveDocuments (EntityID, SessionID, SourceIP, ProjID, DocIDList, IncludeAnnotes, RequestLeaseMins)
The Syntax for RetrieveDocuments contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the project the document resides in.
<i>DocIDList</i>	Required expression of type String specifying the comma-delimited list of document ID's to retrieve.
<i>IncludeAnnotes</i>	Required expression of type Boolean specifying whether or not the server response should include the documents' annotation information.
<i>RequestLeaseMins</i>	Required expression of type Long specifying the length of any leases (in minutes) that are created for stored objects.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

RetrieveObjects Method

Description	Retrieves detailed information about the specified objects' documents. This returns the same information as <i>RetrieveDocuments</i> .
Syntax	<i>object</i> . RetrieveObjects (EntityID, SessionID, SourceIP, ProjID, ObjIDList, IncludeAnnotes, RequestLeaseMins)
The Syntax for RetrieveObjects contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the project the document resides in.
<i>ObjIDList</i>	Required expression of type String specifying the comma-delimited list of object ID's to retrieve.
<i>IncludeAnnotes</i>	Required expression of type Boolean specifying whether or not the server response should include the documents' annotation information.
<i>RequestLeaseMins</i>	Required expression of type Long specifying the length of any leases (in minutes) that are created for stored objects.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

RestoreRecycled_Doc Method

Description	Restores one or more documents (all versions for the specified documents) from the Recycle Bin. If the data group or fileset containing the specified documents is recycled, the data group/fileset will be marked as no longer recycled (but this will not affect other documents in the data group/fileset).
Syntax	<i>object</i> . RestoreRecycled_Doc (EntityID, SessionID, SourceIP, ProjID, ItemIDList)
The Syntax for RestoreRecycled_Doc contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the project the document belongs to.
<i>ItemIDList</i>	Required expression of type String specifying a comma-delimited list of document ID's to restore.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

RestoreRecycled_Obj Method

Description	Restores one or more objects (document version) from the Recycle Bin. If the data group or fileset containing the specified objects is recycled, the data group/fileset will be marked as no longer recycled (but this will not affect other documents in the data group/fileset).
Syntax	<i>object</i> . RestoreRecycled_Obj (EntityID, SessionID, SourceIP, ProjID, ItemIDList)
The Syntax for RestoreRecycled_Obj contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the project the document belongs to.
<i>ItemIDList</i>	Required expression of type String specifying a comma-delimited list of object ID's to restore.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

RestoreRecycled_Project Method

Description	Restores documents, document versions, data groups, and filesets for a specific project from the Recycle Bin.
Syntax	<i>object</i> . RestoreRecycled_Project (EntityID, SessionID, SourceIP, ProjID, RecycleDateTime)
The Syntax for RestoreRecycled_Project contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the project to be restored.
<i>RecycleDateTime</i>	Required expression of type String specifying a date/time (preferably in the format yyyy-mm-dd hh:nn:ss). Any items that were recycled on or before the specified date/time will be restored. If an empty string (or a non-date value) is specified, all items will be restored.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

RollBackDocVersion Method

Description	Rolls back a document's version to a previous version, making the previous version the current version.
Syntax	<i>object</i> . RollBackDocVersion (EntityID, SessionID, SourceIP, ProjID, DocID, DocVer)
The Syntax for RollBackDocVersion contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the project the document belongs to.
<i>DocID</i>	Required expression of type Long specifying the document ID of the document to roll back.
<i>DocVer</i>	Required expression of type String specifying the version to roll back to.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

SaveGlobalSearch Method

Description	Creates a new global search for the current user.
Syntax	<i>object</i> . SaveGlobalSearch (EntityID, SessionID, Parameters, SourceIP, Name, Fields)
The Syntax for SaveGlobalSearch contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String which is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>Name</i>	Required expression of type String specifying the name of the new global search.
<i>Fields</i>	<p>Required expression of type String specifying a tab-delimited list of project's index fields as follows:</p> <p>ProjID,FieldName<tab>ProjID,FieldName<tab>ProjID,FieldName<tab>etc.</p> <p>For example: 1,Name<tab>16,Last Name<tab>16,First Name</p>
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

SaveMiscUserSetting Method

Description	Saves a specific user's setting value.
Syntax	<i>object</i> . SaveMiscUserSetting (EntityID, SessionID, SourceIP, SettingName, SettingValue)
The Syntax for SaveMiscUserSetting contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>SettingName</i>	Required expression of type String specifying the name of a new or existing setting to be saved for the current user.
<i>SettingValue</i>	Required expression of type String specifying the value of the new or existing setting.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

SearchCOLDDoc Method

Description	Searches the specified COLD/ERM document for text and returns the first page that contains the text.
Syntax	<i>object</i> . SearchCOLDDoc (EntityID, SessionID, SourceIP, ProjID, DocID, FindText, StartPage)
The Syntax for SearchCOLDDoc contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the project the document belongs to.
<i>DocID</i>	Required expression of type Long specifying the document ID of the COLD document to search.
<i>FindText</i>	Required expression of type String specifying the text to find within the document.
<i>StartPage</i>	Required expression of type Long specifying the page number of the document to start searching. If the text cannot be found between <i>StartPage</i> and the last page of the document, the system will roll through to the first page of the document and begin searching there.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes the page number (PAGEFOUND) that the text was located within (or zero if the text could not be found within the document).	

SignDoc Method

Description	Signs a document. As the document is signed, a one-way hash is created and stored with the signature to provide for non-repudiation of the signature and associated document.
Syntax	<i>object</i> . SignDoc (EntityID, SessionID, SourceIP, ProjID, ObjID, SigInfo)
The Syntax for SignDoc contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project of the document to be signed.
<i>ItemID</i>	Required expression of type Long specifying Object ID of the document version to be signed.
<i>SigInfo</i>	Required expression of type String specifying information about the signature in XML format.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes the signature ID for the newly created signature and a list of signatures for the specified document.	

SubmitGlobalSearchCriteria Method

Description	Validates global search criteria and populates the user's session with the search information so the <i>ExecuteQuery</i> method can be called.
Syntax	<i>object.SubmitGlobalSearchCriteria</i> (EntityID, SessionID, Parameters, SourceIP, SearchID, Criteria)
The Syntax for SubmitGlobalSearchCriteria contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String which is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>SearchID</i>	Required expression of type Long specifying the global search ID number to be used for searching.
<i>Criteria</i>	Required expression of type String specifying the value to be searched for within the global search's defined fields. This value can include wildcards, but cannot be left blank.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes the following information:	
RESULTVAL: Specifies the results of the criteria validation – (0) good search criteria saved and ready for <i>ExecuteQuery</i> , (1) there are errors in the provided search criteria	
RESULTMSG: Specifies a message corresponding to RESULTVAL.	

SubmitMigrationJobs Method

Description	Submits the specified migration jobs to be processed (run).
Syntax	<i>object</i> . SubmitMigrationJobs (EntityID, SessionID, SourceIP, JobIDs)
The Syntax for SubmitMigrationJobs contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>JobIDs</i>	Required expression of type String specifying a comma-delimited list of migration job ID's to be submitted.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

SubmitSearchCriteria_Project Method

Description	Validates search criteria and populates the user's session with the search information so the <i>ExecuteQuery</i> method can be called.
Syntax	<i>object.SubmitSearchCriteria_Project</i> (EntityID, SessionID, Parameters, SourceIP, FieldNames, FromFields, ToFields, SortBy, SearchType, FTQuery, FTOptions, ProjID)
The Syntax for SubmitSearchCriteria_Project contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String which is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>FieldNames</i>	Required expression of type String specifying a tab-delimited or pipe-delimited (“ ”) list of document index fields to be searched. The order of the field names must correspond to the order of the values passed in the <i>FromFields</i> and <i>ToFields</i> parameters.
<i>FromFields</i>	Required expression of type String specifying a tab-delimited or pipe-delimited (“ ”) list of document index field values to be searched for in the “From” portion of the search. Wildcards are allowed as long as the corresponding “To” value is left blank.
<i>ToFields</i>	Required expression of type String specifying a tab-delimited or pipe-delimited (“ ”) list of document index field values to be searched for in the “To” portion of the search if range searching is being performed on any fields.
<i>SortBy</i>	Required expression of type String specifying the index field name to sort by.
<i>SearchType</i>	Required expression of type String specifying the type of search to perform if multiple index fields are being searched at once. AND: specifies that all criteria must be met OR: specifies that at least one of the criteria must be met.
<i>FTQuery</i>	Required expression of type String specifying a full-text search criteria.

<i>FTOptions</i>	<p>Required expression of type String specifying a tab-delimited or pipe-delimited (“ ”) list of full-text search options which can use the following options:</p> <p>BOOLEAN or NATURAL: specifies to use either a Boolean or Natural Language search.</p> <p>STEMMING: specifies that stemming is to be used on all words.</p> <p>PHONIC: specifies that a phonic search is to be performed on all words.</p> <p>FUZZY=x: specifies that a fuzzy logic search is to be performed on all words with a fuzziness setting of “x” (where x is between 1 and 10).</p> <p>SYNONYM: specifies that a synonym search is to be performed on all words.</p> <p>WNSYNONYM: specifies that any synonym searching should use the WordNet thesaurus of synonyms.</p> <p>WNRELATED: specifies that any synonym searching should use the WordNet related words list.</p> <p>USERSYNONYM: specifies that any synonym searching should use the user-defined thesaurus.</p>
<i>ProjID</i>	Required expression of type Long specifying the project ID that is to be searched.
Return Value	
<p>This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.</p> <p>This XML document also includes the following information:</p> <p>RESULTVAL: Specifies the results of the criteria validation – (0) good search criteria saved and ready for <i>ExecuteQuery</i>, (1) there are errors in the provided search criteria</p> <p>RESULTMSG: Specifies a message corresponding to RESULTVAL.</p> <p>ERRORFIELD: Specifies the document index field number containing the invalid search criteria.</p>	

SubmitSecTrackDoc Method

Description	Creates a document access security tracking entry.
Syntax	<i>object</i> . SubmitSecTrackDoc (EntityID, SessionID, SourceIP, ProjID, DocID, OpType, Reason, Recip, Notes, PageStart, PageEnd, IndexData)
The Syntax for SubmitSecTrackDoc contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the project the document belongs to.
<i>DocID</i>	Required expression of type Long specifying the document ID of the document to create an entry for.
<i>OpType</i>	Required expression of type String specifying the type of operation performed (i.e. "Print").
<i>Reason</i>	Required expression of type String specifying the disclosure reason (only necessary if using enhanced auditing).
<i>Recip</i>	Required expression of type String specifying the disclosure recipient (only necessary if using enhanced auditing).
<i>Notes</i>	Required expression of type String specifying the disclosure notes (only necessary if using enhanced auditing).
<i>PageStart</i>	Required expression of type Long specifying the starting page number for the operation.
<i>PageEnd</i>	Required expression of type Long specifying the ending page number for the operation.
<i>IndexData</i>	Required expression of type String specifying a comma-delimited list of the document's index field values used for searching the reports. If this value is left blank, the server will automatically calculate the document's index values.

Return Value

This function returns a String value indicating the XML document containing the results of the method call. See *Returned XML Documents* for more information.

SysList_AddDocs Method

Description	Adds the specified document ID's to a user's specified system list. The existence of the documents and user access to those documents is verified before adding them to the list.
Syntax	<i>object.SysList_AddDocs</i> (EntityID, SessionID, Parameters, SourceIP, ProjID, DocIDList, ListID)
The Syntax for SysList_AddDocs contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String which is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID for the documents.
<i>DocIDList</i>	Required expression of type String specifying the comma-delimited list of document ID's to be added to the list.
<i>ListID</i>	Required expression of type String specifying the list ID for the list to which the documents are to be added.

Return Value
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.

SysList_CreateNew Method

Description	Creates a new system list for a user.
Syntax	<i>object.SysList_CreateNew</i> (EntityID, SessionID, Parameters, SourceIP, ListName, ListType, ListInfo)
The Syntax for SysList_CreateNew contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String which is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ListName</i>	Required expression of type String specifying the name of the list to create. There is no uniqueness requirements for <i>ListName</i> values. <i>ListName</i> values containing curly brackets (i.e. {User Migrations}) should not be used as those are reserved for internal purposes.
<i>ListType</i>	Required expression of type Long specifying the type of information the list will hold: <ul style="list-style-type: none"> • 1 = Documents
<i>ListInfo</i>	Required expression of type String specifying miscellaneous information about the list. When working with user-created lists, this is simply an extra location for the calling application to store some additional information.

Return Value

This function returns a String value indicating the XML document containing the results of the method call. See *Returned XML Documents* for more information.

This XML document also includes the newly created system list.

SysList_DeleteDocs Method

Description	Removes the specified document ID's (or all document ID's) from a user's specified system list.
Syntax	<i>object.SysList_DeleteDocs</i> (EntityID, SessionID, Parameters, SourceIP, ProjID, DocIDList, ListID)
The Syntax for SysList_DeleteDocs contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String which is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the Project ID for the documents.
<i>DocIDList</i>	Required expression of type String specifying the comma-delimited list of document ID's to be removed from the list. If <i>DocIDList</i> is an empty string, all documents for the specified project will be removed from the list.
<i>ListID</i>	Required expression of type String specifying the list ID for the list from which the documents are to be removed.

Return Value
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.

SysLists_Delete Method

Description	Deletes the specified system lists. This does not affect the actual items in the lists (i.e. documents are not deleted when a system list contains documents).
Syntax	<i>object.SysLists_Delete</i> (EntityID, SessionID, Parameters, SourceIP, ListIDs)
The Syntax for SysLists_Delete contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String which is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ListIDs</i>	Required expression of type String specify the comma-delimited list of List ID's to be deleted.

Return Value
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.

SysLists_Enumerate Method

Description	Enumerates all of the user's system lists that meet the specified criteria.
Syntax	<i>object</i> .SysLists_Enumerate (EntityID, SessionID, Parameters, SourceIP, ListName, ListType, LimitLocked)
The Syntax for SysLists_Enumerate contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String which is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ListName</i>	Required expression of type String specifying the criteria to be used for limiting list names. This can specify a particular list name, use wildcards (i.e. "Te*" to locate Test), or be an empty string (to not limit the returned lists by name).
<i>ListType</i>	Required expression of type Long specifying the criteria to be used for limiting list types (see <i>SysList_CreateNew</i> for a list of possible types). Specifying a value of zero (0) will cause the enumeration to no be limited by specific list types.
<i>LimitLocked</i>	Required expression of type Integer specifying whether to limit the enumeration to only lists that are locked (value of 2), unlocked (value of 1), or either locked or unlocked (value of 0).

Return Value

This function returns a String value indicating the XML document containing the results of the method call. See *Returned XML Documents* for more information.

This XML document also includes the enumerated system lists.

SysLists_Load Method

Description	Retrieves the details of the specified system lists.
Syntax	<i>object</i> . SysLists_Load (EntityID, SessionID, Parameters, SourceIP, ListIDs, IncludeContents)
The Syntax for SysLists_Load contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String which is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ListIDs</i>	Required expression of type String specify the comma-delimited list of List ID's to be retrieved.
<i>IncludeContents</i>	Required expression of type Boolean specifying whether or not to retrieve the contents of the specified Lists.

Return Value
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.
This XML document also includes the details of the requested Lists.

SysMig_Create_Lists Method

Description	Creates a new migration job and associates zero or more system lists with the migration job.
Syntax	<i>object.SysMig_Create_Lists</i> (EntityID, SessionID, Parameters, SourceIP, ListIDs, SubmitInfo, HoldDate)
The Syntax for SysMig_Create_Lists contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String which is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ListIDs</i>	Required expression of type String specifying a comma-delimited list of system lists which are to be associate with the newly created migration job.
<i>SubmitInfo</i>	Required expression of type String specifying the submission information.
<i>HoldDate</i>	Required expression of type String specifying the date/time the migration will be “held” until before running. It is recommended that these date/times be provided in the “yyyy-mm-dd hh:nn:ss” format.

Return Value
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.
This XML document also includes the newly created migration job.

SysMig_Resubmit Method

Description	Creates a new, unprocessed copy of the specified migration job using the same system lists, data groups, and projects as the original.
Syntax	<i>object.</i> SysMig_Resubmit (EntityID, SessionID, Parameters, SourceIP, MigID)
The Syntax for SysMig_Resubmit contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String which is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>MigID</i>	Required expression of type String specifying the migration job ID for the item to be resubmitted.

Return Value
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.
This XML document also includes the newly created migration job.

SysMigs_Cancel Method

Description	Cancels the specified migration jobs to keep them from running.
Syntax	<i>object.</i> SysMigs_Cancel (EntityID, SessionID, Parameters, SourceIP, MigIDs)
The Syntax for SysMigs_Cancel contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String which is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>MigIDs</i>	Required expression of type String specify the comma-delimited list of Migration Job ID's to be cancelled.

Return Value
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.

SysMigs_Enumerate Method

Description	Enumerates all of the user's migration jobs.
Syntax	<i>object</i> . SysMigs_Enumerate (EntityID, SessionID, Parameters, SourceIP, SubmitUserID)
The Syntax for SysMigs_Enumerate contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String which is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>SubmitUserID</i>	Required expression of type Long specifying the user ID to which the list should be limited. If <i>SubmitUserID</i> is zero (and the calling credentials is that of an entity system administrator), then all migrations for the entity are returned.

Return Value
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.
This XML document also includes the enumerated migration jobs.

SysMigs_Load Method

Description	Retrieves the details of the specified migration jobs.
Syntax	<i>object.</i> SysMigs_Load (EntityID, SessionID, Parameters, SourceIP, MigIDs)
The Syntax for SysMigs_Load contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String which is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>MigIDs</i>	Required expression of type String specify the comma-delimited list of Migration Job ID's to be retrieved.

Return Value
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.
This XML document also includes the details of the requested Migration Jobs.

TransferTempFile Method

Description	Transfers a file into the user's temporary cache on the server. This call is typically paired with another API call that uses those transferred files (i.e. <i>DocCheckInTransferred</i>).
Syntax	<i>object.TransferTempFile</i> (EntityID, SessionID, SourceIP, InFile)
The Syntax for TransferTempFile contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>InFile</i>	Required expression of type String specifying the file name of the file that has been written to the user's cache location. If the file has not been written to the cache, then this parameter should be blank and the appropriate <i>INFILEDATA</i> and <i>INFILENAME</i> values should be provided.

Return Value
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.

The web services API call (non- ActiveX/COM interface) also offers the following optional parts:

Part	Description
<i>INFILEDATA</i>	If the <i>InFile</i> parameter is blank (because, when making this API call on a remote server, the remote server has no visibility to the path where the file was saved), the remote server will access the <i>INFILEDATA</i> parameter. This node in the XML stream has a data type of “bin.base64” and contains the binary contents of the file being attached.
<i>INFILENAME</i>	If the <i>InFile</i> parameter is blank (because, when making this API call on a remote server, the remote server has no visibility to the path where the file was saved), the remote server will access the <i>INFILEDATA</i> parameter. The contents of the <i>INFILEDATA</i> parameter will be written to a file in the user’s cache location named the value specified in <i>INFILENAME</i> .

UpdateAnnote Method

Description	Deletes or updates the annotation for an object within a document.
Syntax	<i>object</i> . UpdateAnnote (EntityID, SessionID, SourceIP, ProjID, ObjID, PageNum, Operation, InFile)
The Syntax for UpdateAnnote contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the project the document belongs to.
<i>ObjID</i>	Required expression of type Long specifying the object ID for the document to create an entry for.
<i>PageNum</i>	Required expression of type Long specifying the page number within the object that the annotation is related to.
<i>Operation</i>	Required expression of type Integer specifying the operation to be performed: 0: Delete the image annotation for the object's page. 1: Creates/updates the image annotation for the object's page. 2: Delete the textual annotation for the object's page. 3: Creates/updates the textual annotation for the object's page.
<i>InFile</i>	Required expression of type String specifying the file name of the annotation file that has been written to the user's cache location. If the file has not been written to the cache, then this parameter should be blank and the appropriate <i>INFILEDATA</i> and <i>INFILENAME</i> values should be provided.

Return Value

This function returns a String value indicating the XML document containing the results of the method call. See *Returned XML Documents* for more information.

The web services API call (non- ActiveX/COM interface) also offers the following optional parts:	
Part	Description
<i>INFILEDATA</i>	If the <i>InFile</i> parameter is blank (because, when making this API call on a remote server, the remote server has no visibility to the path where the file was saved), the remote server will access the <i>INFILEDATA</i> parameter. This node in the XML stream has a data type of “bin.base64” and contains the binary contents of the file being attached.
<i>INFILENAME</i>	If the <i>InFile</i> parameter is blank (because, when making this API call on a remote server, the remote server has no visibility to the path where the file was saved), the remote server will access the <i>INFILEDATA</i> parameter. The contents of the <i>INFILEDATA</i> parameter will be written to a file in the user’s cache location named the value specified in <i>INFILENAME</i> .

UpdateDocEditInfo Method

Description	Updates documents' index field values.
Syntax	<i>object</i> . UpdateDocEditInfo (EntityID, SessionID, Parameters, SourceIP, ProjID, DocIDList, FieldNames, FieldValues)
The Syntax for UpdateDocEditInfo contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>Parameters</i>	Required expression of type String which is reserved for future use.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID of the project the documents belong to.
<i>DocIDList</i>	Required expression of type String specifying a comma-delimited list of document ID's for the documents whose index field values are to be updated.
<i>FieldNames</i>	Required expression of type String specifying a tab-delimited list of document index field names that are to be updated. The order of the list must correspond with the order of the <i>FieldValues</i> parameter.
<i>FieldValues</i>	Required expression of type String specifying a tab-delimited list of document index field values that are to be placed into the specified field names. Specifying "[CURRENT VALUE]" for a field will cause it to be left unchanged. Specifying a blank value for a field will cause that field to be set to a blank value (i.e. Null).
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes FIELDNAMES and FIELDVALUES which indicate the reformatted values as they were saved.	

UpdateWSInst Method

Description	Updates a workstep instance with the specified task completion list.
Syntax	<i>object</i> . UpdateWSInst (EntityID, SessionID, SourceIP, WSInstID, WSInfo, WFHistoryAdd, WFInstID)
The Syntax for UpdateWSInst contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>WSInstID</i>	Required expression of type Long specifying the workstep instances' ID.
<i>WSInfo</i>	Required expression of type String specifying a comma-delimited list of task ID's for the tasks that have been completed.
<i>WFHistoryAdd</i>	Required expression of type String specifying historical information that is to be attached to the workstep's associated workflow instance history.
<i>WFInstID</i>	Required expression of type Long specifying the workstep's associated workflow instance ID.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

UsePlugin Method

Description	Determines whether a user needs to use the PaperVision document viewing plugin.
Syntax	<i>object</i> . UsePlugin (EntityID, SessionID, SourceIP, ProjID)
The Syntax for UsePlugin contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>ProjID</i>	Required expression of type Long specifying the project ID the user is currently in.
Return Value	
This function returns a Boolean value indicating whether the user needs to use the PaperVision document viewing plugin.	
True: The user needs to use the plugin.	
False: The user does not need to use the plugin.	

ValidateCriteria Method

Description	Ensures that valid search criteria has been specified, returning the field and error if there is invalid criteria.
Syntax	<i>object</i> . ValidateCriteria (EntityID, SessionID, SourceIP, FieldNames, FieldTypes, AllowDateTags, FromValues, ToValues)
The Syntax for ValidateCriteria contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>FieldNames</i>	Required expression of type String specifying the project's field names in tab or pipe (" ") delimited format.
<i>FieldTypes</i>	Required expression of type String specifying the project's field types in tab or pipe (" ") delimited format. These must be listed in the same order as the <i>FieldNames</i> .
<i>AllowDateTags</i>	Required expression of type Boolean specifying whether or not to allow date tags (i.e. "[CURRENTDATETIME]") in date values.
<i>FromValues</i>	Required expression of type String specifying the fields "from" values in tab or pipe (" ") delimited format. These must be listed in the same order as the <i>FieldNames</i> .
<i>ToValues</i>	Required expression of type String specifying the fields "to" values in tab or pipe (" ") delimited format. These must be listed in the same order as the <i>FieldNames</i> .
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	
This XML document also includes FROMVALUES and TOVALUES which indicate the reformatted values. It also includes ALLFIELDSBLANK (indicating whether all fields were blank/empty), VALIDATEERRORMESSAGE (indicating any validation error information), and VALIDATEERRORFIELDNAME (indicating the field where the VALIDATEERRORMESSAGE occurred).	

ValidateSession Method

Description	Ensures that the specified session is still valid and keeps the session alive.
Syntax	<i>object</i> . ValidateSession (EntityID, SessionID, SourceIP)
The Syntax for ValidateSession contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

WriteSessionText Method

Description	Writes (or appends) text to a text file in the user's cache location.
Syntax	<i>object</i> . WriteSessionText (EntityID, SessionID, SourceIP, TextFile, TextContents, Append)
The Syntax for WriteSessionText contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>TextFile</i>	Required expression of type String specifying the name of the file in the user's cache location to create (just the file name).
<i>TextContents</i>	Required expression of type String specifying the contents to be written (or appended) to the text file.
<i>Append</i>	Required expression of type Boolean specifying whether data should be appended to an existing file (True) to overwrite the file if it exists (False).
Return Value	
This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.	

WsTakeOwnership Method

Description	Takes ownership of the specified workstep instance.
Syntax	<i>object</i> . WsTakeOwnership (EntityID, SessionID, SourceIP, WsList, TakeNextOnUnavail)
The Syntax for WsTakeOwnership contains these parts:	
Part	Description
<i>object</i>	An expression that evaluates to an object of type: PVAction
<i>EntityID</i>	Required expression of type Long specifying the Entity ID of the current user.
<i>SessionID</i>	Required expression of type String specifying the encrypted session ID for the current user's session.
<i>SourceIP</i>	Required expression of type String specifying the source IP address for the current user.
<i>WsList</i>	Required expression of type String specifying a list of workstep instances to take ownership of.
<i>TakeNextOnUnavail</i>	<p>Required expression of type Boolean specifying whether to take ownership of other workstep instances if the specified one(s) is (are) already taken by another user.</p> <p>True: Take ownership of the next available workstep instance (in the same workstep definition) if the specified one is already taken by another user.</p> <p>False: Do not take ownership of any workstep instances other than the ones specified.</p>
Return Value	
<p>This function returns a String value indicating the XML document containing the results of the method call. See <i>Returned XML Documents</i> for more information.</p> <p>This document also includes a comma-delimited list of workstep instances that were taken ownership of (NEWWORKSTEPS).</p>	

Chapter 4 – Web Services

Overview

PaperVision Enterprise offers a very robust web services API based on XML. This API allows you to call the methods exposed through the *PVAction* component of the PaperVision System Control. The beauty of the web services API is that it allows cross-system accessibility to the documents and information stored in the PaperVision Enterprise repository. The web services API is not necessary if the client computer is running a supported Windows operating system since the PaperVision System Control COM interface performs the same functions (even through remote servers).

A web services API call is performed in the following manner:

1. An XML document is created that contains the name of the method to call as well as all of the parameters that would normally be passed to the COM component itself.
2. The XML document is submitted to the *HTTPInterface.ASP* page included with the PaperVision Enterprise server.
3. The server passes the XML document to the “HTTPHandler” method call of the *PVAction* component, which extracts the method name and parameters, forwarding them to the appropriate method call.
4. The server performs the requested action and returns the exact same result set that would be returned as if using the COM component.

XML Document Format

The XML document that passes the name of the method call and parameters should be formatted as follows:

```
<?xml version="1.0" standalone="yes" ?>
<SOMEDOCUMENTNAMEHERE> <!-- you can name this anything you wish -->
  <FUNCTION>
    <NAME>METHODNAMEHERE</NAME>
    <PARAMETERS> <!--provide all of the parameters below -->
      <PARAMETER1NAME>PARAMETER1VALUE</PARAMETER1NAME>
      <PARAMETER2NAME>PARAMETER2VALUE</PARAMETER2NAME>
      <PARAMETER3NAME>PARAMETER3VALUE</PARAMETER3NAME>
      etc....
    </PARAMETERS>
  </FUNCTION>
</SOMEDOCUMENTNAMEHERE>
```

Please note the following specifications:

- Parameter Names should be provided in all upper-case letters (values can be provided in mixed-case).
- It is recommended that you do not define the “SOURCEIP” parameter for any of the method calls. Leaving the value blank (or not even listed in the parameters list) will cause the server to determine the client’s IP address automatically.