

APLNext.AppSvrController

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Overview

The APLNext.AppSvrController is a .Net assembly which exposes an ActiveX component with properties and methods which can be used via the APL+Win ActiveX interface to perform administration functions on an installed version of APLNext Application Server. The tool supports most of the functionality of the APLNext Application Server Administration tool GUI.

A previous version of this tool (aplcmm.dll based on .Net 1.x) was associated with the APL2000 Web Services product, both of which are no longer supported.

Requirements

The target workstation must have:

- Microsoft .Net Framework 4.0 (full version) or subsequent version installed
- APLNext Application Server 4.0.22 or subsequent version installed
- APL+Win v10 or subsequent version if APL+Win will use the APLNext.AppSvrController via the ActiveX interface

Installation

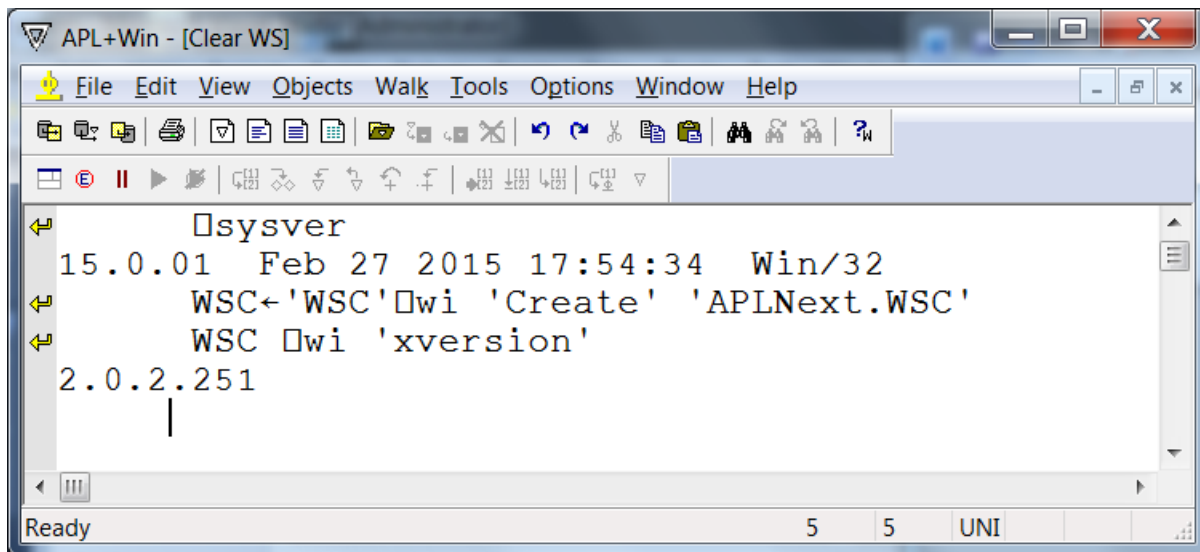
It is recommended that the APLNext.AppSvrController_Setup.exe be used to install this tool. Options for silent install and other installation options are incorporated in the installer. Since the tool requires registration as an ActiveX component, the installer may need to be run with elevated privileges.

Alternatively the application system developer may incorporate the installation and registration into a custom installer or manually perform this step:

- Copy the required .Net assemblies (APLNext.AppSvrController.dll and APLNext.XMLValidation.dll) to the target machine
- Register the APLNext.AppSvrController.dll as ActiveX using the appropriate version of the Microsoft regasm.exe program

Creating an Instance of APLNext.AppSvrController in APL+Win

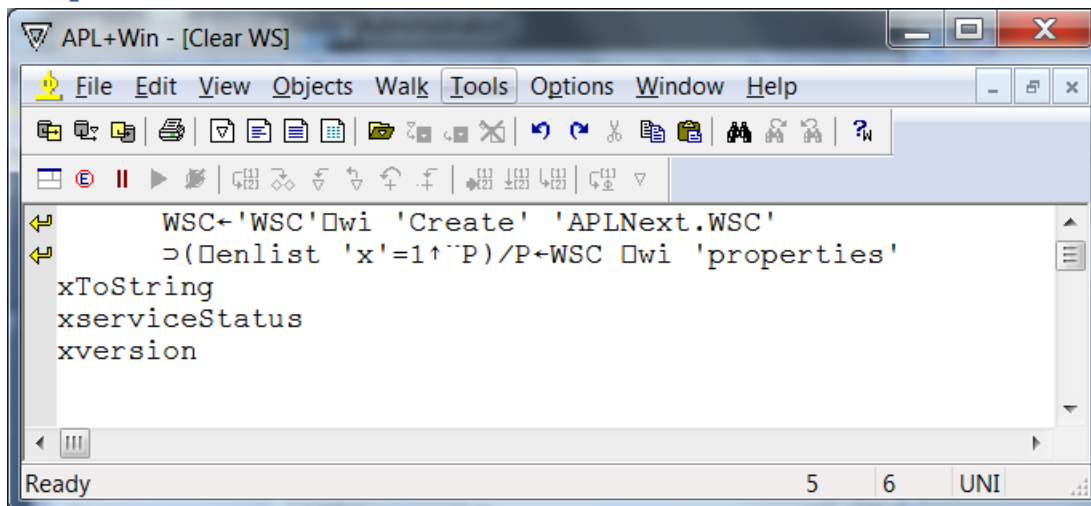
This screen capture illustrates this process from the APL+Win programmer session. Analogous statements can be included in an APL+Win function that can be run in the developer or run-time version of APL+Win. The 'progId' of the APLNext.AppSvrController is 'APLNext.WSC'.



The Object Model of APLNext.AppSvrController

The object model includes properties and methods which correspond to the manually-accessible properties and methods of the APLNext Application Server Administration Tool GUI.

Properties



xToString Property

This property is generally not used by APL+Win, but is available by default since the tool is implemented in C#.

xserviceStatus Property

Syntax: WSC wi 'xserviceStatus'

Arguments: None

Result: string: 'APLNextApplicationServer is stopped' or 'APLNextApplicationServer is started'.

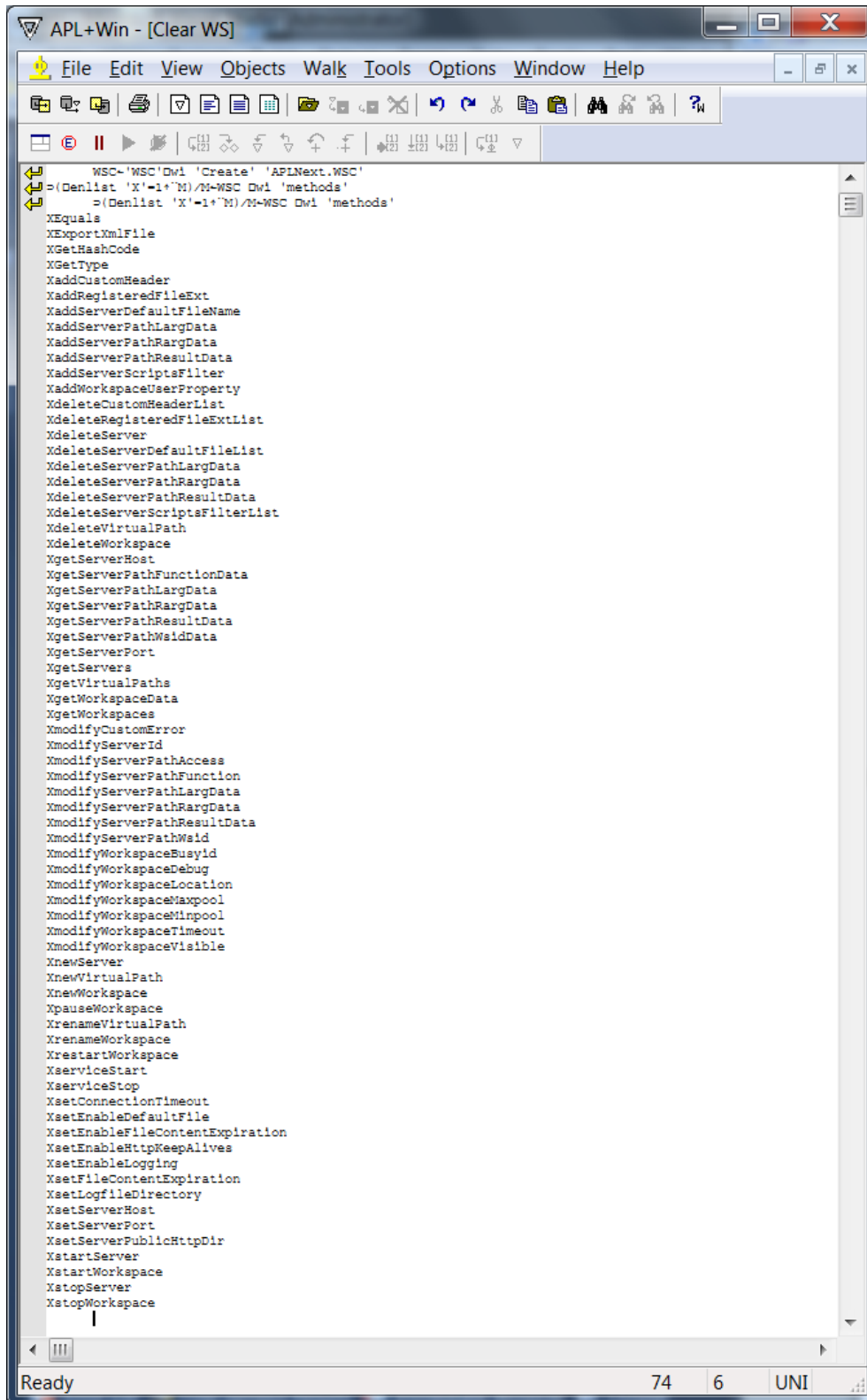
Xversion Property

Syntax: WSC ☐wi 'xversion'

Arguments: None

Result: string: Current Windows-format version of the tool, e.g. '2.0.2.251'

Methods



XEquals

This method is generally not used by APL+Win, but is available by default since the tool is implemented in C#.

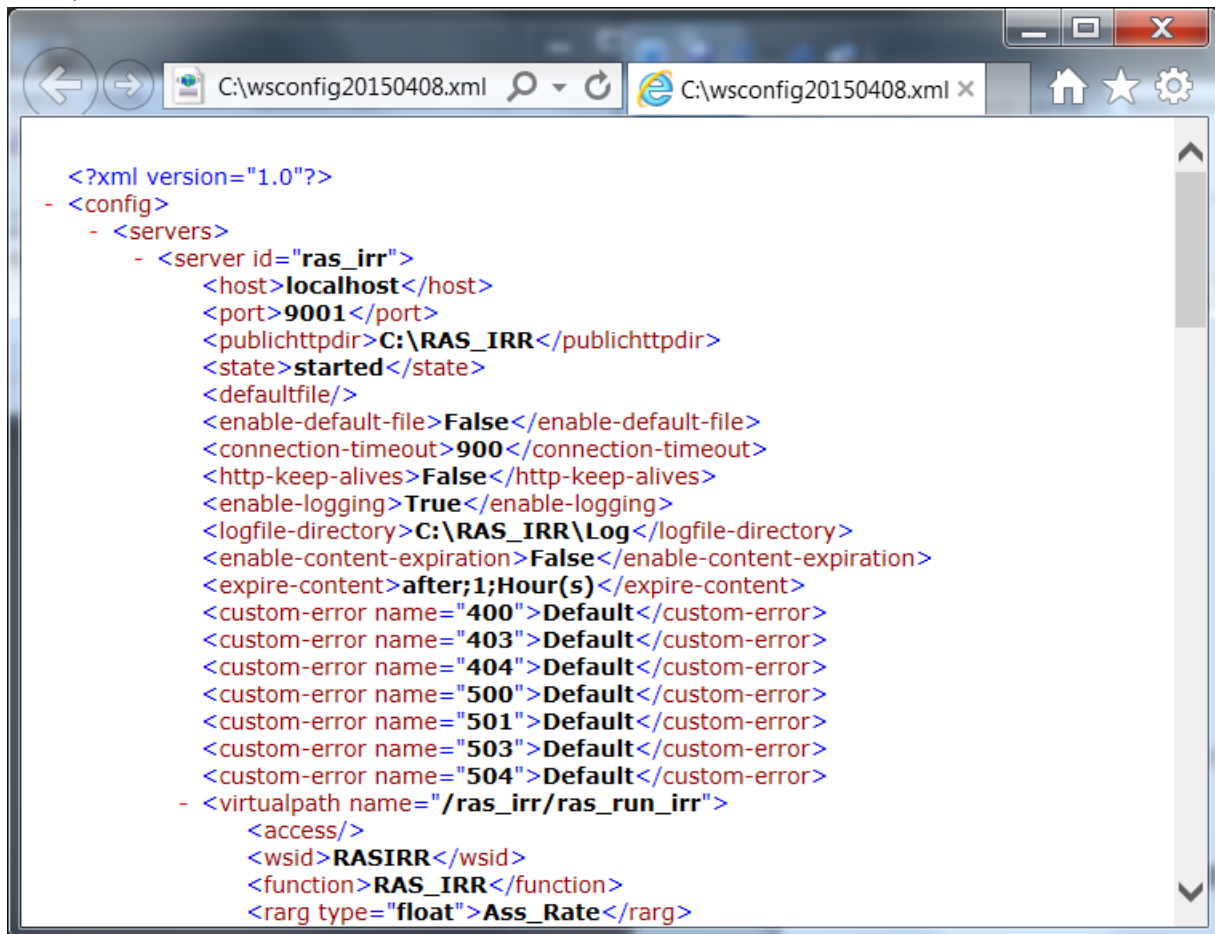
XExportXmlFile

Syntax: WSC ☐ wi 'XExportXmlFile' stringFullFilename

Arguments: string: full filename of target file to contain xml-format result

Result: xml-format string written to the target filename containing the current configuration of instance of APLNext Application Server on the host machine.

Example:

A screenshot of a web browser window displaying an XML configuration file. The address bar shows the file path 'C:\wsconfig20150408.xml'. The XML content is as follows:

```
<?xml version="1.0"?>
- <config>
  - <servers>
    - <server id="ras_irr">
      <host>localhost</host>
      <port>9001</port>
      <publichttpdir>C:\RAS_IRR</publichttpdir>
      <state>started</state>
      <defaultfile/>
      <enable-default-file>False</enable-default-file>
      <connection-timeout>900</connection-timeout>
      <http-keep-alives>False</http-keep-alives>
      <enable-logging>True</enable-logging>
      <logfile-directory>C:\RAS_IRR\Log</logfile-directory>
      <enable-content-expiration>False</enable-content-expiration>
      <expire-content>after;1;Hour(s)</expire-content>
      <custom-error name="400">Default</custom-error>
      <custom-error name="403">Default</custom-error>
      <custom-error name="404">Default</custom-error>
      <custom-error name="500">Default</custom-error>
      <custom-error name="501">Default</custom-error>
      <custom-error name="503">Default</custom-error>
      <custom-error name="504">Default</custom-error>
    - <virtualpath name="/ras_irr/ras_run_irr">
      <access/>
      <wsid>RASIRR</wsid>
      <function>RAS_IRR</function>
      <rarg type="float">Ass_Rate</rarg>
```

XGetHashCode

This method is generally not used by APL+Win, but is available by default since the tool is implemented in C#.

XGetType

This method is generally not used by APL+Win, but is available by default since the tool is implemented in C#.

XaddCustomHeader

XaddRegisteredFileExt

XaddServerDefaultFileName

XaddServerPathLargData

XaddServerPathRargData

XaddServerPathResultData

XaddServerScriptsFilter

XaddWorkspaceUserProperty

XdeleteCustomHeaderList

XdeleteRegisteredFileExtList

XdeleteServer

XdeleteServerDefaultFileList

XdeleteServerPathLargData

XdeleteServerPathRargData

XdeleteServerPathResultData

XdeleteServerScriptsFilterList

XdeleteVirtualPath

XdeleteWorkspace

XgetServerHost

XgetServerPathFunctionData

XgetServerPathLargData

XgetServerPathRargData

XgetServerPathResultData

XgetServerPathWsidData

XgetServerPort

XgetServers

XgetVirtualPaths

XgetWorkspaceData

XgetWorkspaces

XmodifyCustomError

XmodifyServerId

XmodifyServerPathAccess

XmodifyServerPathFunction

XmodifyServerPathLargData

XmodifyServerPathRargData

XmodifyServerPathResultData

XmodifyServerPathWsid

XmodifyWorkspaceBusyid

XmodifyWorkspaceDebug

XmodifyWorkspaceLocation

XmodifyWorkspaceMaxpool

XmodifyWorkspaceMinpool

XmodifyWorkspaceTimeout

XmodifyWorkspaceVisible

XnewServer

XnewVirtualPath

XnewWorkspace

XpauseWorkspace

XrenameVirtualPath

XrenameWorkspace

XrestartWorkspace

XserviceStart

XserviceStop

XsetConnectionTimeout

XsetEnabledDefaultFile

XsetEnabledFileContentExpiration

XsetEnabledHttpKeepAlives

XsetEnabledLogging

XsetFileContentExpiration

XsetLogfileDirectory

XsetServerHost

XsetServerPort

XsetServerPublicHttpDir

XstartServer

XstartWorkspace

XstopServer

XstopWorkspace