VMware vCenter Orchestrator Plug-in SDK

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vCO Plug-in SDK 5.5 | 22-Sep-2013 | Dev Kit Build 1285527 |

This document contains the following information:

* [What is New in this Release?](#whatsnew)
* [Obtaining the Software](#obtainsoftware)
* [Operating System and Eclipse IDE Support](#supportedplatforms)
* [Support for Command Line Mode](#commandlinemode)
* [Resolved Issues](#fixedissues)
* [Known Issues](#knownissues)
* [Downloading and Installing the Product](#installing)

**What is New in this Release?**

The vCO Plug-in SDK 5.5 release adds support for using the Apache Maven build tool, generating workflows by using inventory root XML, and also introduces UI improvements and bug fixes.

**Obtaining the Software**

The software is available on the VMware Communities web site.

vCO Plug-in SDK is packaged in the ZIP format for downloading and this ZIP file has following contents:

* Documentation – Plug-in development related documentation
* Lib – vCO libraries to develop the plug-in from scratch
* Samples
* Eclipse – contains update sites that must be installed within Eclipse. You must first install the Workbench IS (WBIS) update site and then the vCO Plug-in SDK (VCOPSK) update site.

**Operating System and Eclipse IDE Support**

* Operating System Support
	+ Windows 8 (64-bit)
	+ Windows 7 (64-bit)
	+ RedHat 6 (64-bit)
	+ CentOS 6 (64-bit)
	+ Mac OS X Mountain Lion 10.8.4 (64-bit)
* Eclipse IDE Support
	+ Eclipse 4.3 (32-bit and 64-bit)
	+ STS 3.3 (32-bit and 64-bit)

**Support for Command-Line Mode**

Developers can integrate the vCO Plug-in SDK into custom development environments by using the command-line feature. For example, developers can leverage the plug-in code generation feature from their existing development environments by invoking the *plugen* utility with command-line options.

**Resolved Issues**

* The vCO Plug-in SDK does not update scripts when you rename a project.
* The vCO Plug-in SDK might create projects with a file system that is not synchronized with the Eclipse project, which might cause build problems or errors that are not displayed.
* The vCO Plug-in SDK cannot import a JAR file that contains the term "class" anywhere in its *classpath*.

**Known Issues**

* The vCO Plug-in SDK does not support the Ubuntu platform.
* The vCO Plug-in SDK creates an extra directory with the project name under the main project directory.
* You cannot create new projects correctly under STS 3.3.0 in Windows environments with a proxy server.

The vCO Plug-in SDK dynamically fetches dependencies from Maven update sites on the Internet to build new projects. In installation environments that utilize a proxy server, STS does not properly use proxy server settings to connect to the Internet. As a result, all network access from Eclipse fails and libraries cannot be copied into the new project. This is an issue in STS.

**Workaround:**1) Navigate to the STS installation folder.
2) Navigate to the \sts-3.3.0.RELEASE\configuration\.settings folder and open the org.eclipse.core.net.prefs file with a text editor.
3) Clear the list of non-proxied hosts and use the following settings.

Note: You must replace *your.proxy.host.name* with the host name of your organization’s proxy server as well as replace *3128* with your organization’s port number.

    eclipse.preferences.version=1
    nonProxiedHosts=
    org.eclipse.core.net.hasMigrated=true
    proxiesEnabled=true
    proxyData/HTTP/hasAuth=false
    proxyData/HTTP/host= *your.proxy.host.name*
    proxyData/HTTP/port=*3128*
    proxyData/HTTPS/hasAuth=false
    proxyData/HTTPS/host=*your.proxy.host.name*
    proxyData/HTTPS/port=*3128*
    systemProxiesEnabled=false

4) In STS, select **Preferences > Network connections** and clear the SOCKS variable, even if it appears empty.
5) Restart STS.

**Downloading and Installing vCO Plug-in SDK**

See the *Installing and Using the VMware vCenter Orchestrator Plug-In SDK* guide.

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