

Deployit IBM WebSphere Process Server Plugin Manual

Version 3.7.0

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Preface

This document describes the functionality provided by the IBM WebSphere Process Server (WPS) plugin.

Refer to **Deployit Reference Manual** for background information on Deployit and deployment concepts.

Overview

The WPS plugin is a Deployit plugin that adds capability for managing deployments and resources on an existing WebSphere Process Server server. It offers out of the box support for deploying/undeploying applications (EAR files). See the *Features* section below for details. It can easily be extended to support more deployment options or management of new artifacts/resources on WPS.

Features

- Deploys and undeploys WPS Enterprise applications (EAR)
- Start and stop templates
- Start and stop applications

Requirements

- **Deployit requirements**
 - **Deployit:** version 3.7+
 - **IBM WebSphere Process Server:** 6.x and 7.x (Unix and Windows)
 - **Other Deployit Plugins:** WAS plugin 3.7+

CI Reference

Configuration Item Overview

Deployable Configuration Items

CI	Description
wps.Ear	Java EE EAR archive

Deployed Configuration Items

CI	Description
wps.EarModule	Description unavailable

Virtual Deployed Configuration Items

CI	Description
wps.BaseEarModule	WebSphere Process Server Ear Module


Configuration Item Details

wps.BaseEarModule

Hierarchy was.ExtensibleDeployedArtifact >> was.ExtensibleDeployed >> python.PythonManagedDeployed >> udm.BaseDeployed >> udm.BaseConfigurationItem

Interfaces udm.Artifact, udm.Deployed, udm.ConfigurationItem, udm.DerivedArtifact

WebSphere Process Server Ear Module

Public Properties	
 container : CI<udm.Container>	The container on which this deployed runs.
deployable : CI<udm.Deployable>	The deployable that this deployed is derived from.
placeholders : MAP_STRING_STRING	

A Map containing all the placeholders mapped to their values. Special values are or
stopProcessAndTaskTemplates : **BOOLEAN = true**
 Stop process, task instances before undeployment.

Hidden Properties

createOrder : **INTEGER = 60**

The order in which a create step will be executed.

createVerb : **STRING = Create**

The word is used to prefix a step description for the create operation.

deleteBpcTemplatesScriptOrder : **INTEGER = 9**

The order in which the delete and stop process, task instances step will be executed.

destroyOrder : **INTEGER = 40**

The order in which a destroy step will be executed.

destroyVerb : **STRING = Destroy**

The word is used to prefix a step description for the destroy operation.

inspectVerb : **STRING = Inspect**

The word is used to prefix a step description for the inspect operation.

modifyOrder : **INTEGER = 60**

The order in which a modify step will be executed.

modifyVerb : **STRING = Modify**

The word is used to prefix a step description for the modify operation.

standardPropertiesNotToExpose : **STRING = id, type, properties, deployable, container, createOrder, createScript, createVerb, syncAfterCreateOrder, modifyOrder, modifyScript, modifyVerb, syncAfterModifyOrder, destroyOrder, destroyScript, securityPermissions, inheritPermissions, exposeDeployedApplication, destroyVerb, syncAfterDestroyOrder, startOrder, startScript, startVerb, stopOrder, stopScript, stopVerb, inspectScript, inspectVerb, libraryScripts**

Standard properties that are not exposed to any python wsadmin script.

startOrder : **INTEGER = 50**

The order in which a start step will be executed.

startVerb : **STRING = Start**

The word is used to prefix a step description for the start operation.

stopBpcTemplatesScriptOrder : **INTEGER = 9**

The order in which stop process, task instances step will be executed.

stopOrder : **INTEGER = 50**

The order in which a synchronize after modify stop will be executed.

stopVerb : **STRING = Stop**

The word is used to prefix a step description for the stop operation.

syncAfterCreateOrder : **INTEGER = 65**

The order in which a synchronize after create step will be executed.

syncAfterDestroyOrder : **INTEGER = 45**

The order in which a synchronize after destroy step will be executed.

syncAfterModifyOrder : **INTEGER = 65**

The order in which a synchronize after modify step will be executed.

createScript : **STRING**

Python script invoked to deploy a Java EE artifact or create a Java EE resource

deleteBpcTemplatesScript : **STRING**

Python script invoked to delete and stop process, task instances

destroyScript : **STRING**

Python script invoked to undeploy a Java EE artifact or destroy a Java EE resource

exposeDeployedApplication : **BOOLEAN = false**

flag to indicate whether the deployed application CI is to be injected to the python script execution context.

inspectScript : **STRING**

Python script invoked to inspect a Java EE artifact or Java EE resource

modifyScript : **STRING**

Python script invoked to upgrade a Java EE artifact or modify a Java EE resource

startScript : **STRING**

Python script invoked to start a Java EE artifact or Java EE resource

stopBpcTemplatesScript : **STRING**

Python script invoked to stop process, task instances

stopScript : **STRING**

Python script invoked to stop a Java EE artifact or Java EE resource

wps.Ear

Hierarchy `jee.Ear >> udm.BaseDeployableArchiveArtifact >> udm.BaseDeployableFileArtifact >> udm.BaseDeployableArtifact >> udm.BaseDeployable >> udm.BaseConfigurationItem`

Interfaces `udm.Taggable, udm.Deployable, udm.SourceArtifact, udm.ArchiveArtifact, udm.Artifact, udm.DeployableArtifact, udm.ConfigurationItem, udm.FileArtifact`

Java EE EAR archive


Public Properties	
excludeFileNamesRegex :	STRING
Regular expression that matches file names that must be excluded from scanning	
placeholders :	SET_OF_STRING
Placeholders detected in this artifact	
preCompileJsps :	STRING
Specify whether to precompile JavaServer Pages (JSP) files as a part of installation. The default is not to precompile JSP files. (boolean)	
roleMappings :	MAP_STRING_STRING
Security role to user/group mapping (map_string_string)	
scanPlaceholders :	BOOLEAN = true
Scan Placeholders	
startingWeight :	STRING
Specifies the order in which modules are started when the server starts. The module with the lowest starting weight is started first. (integer)	
stopProcessAndTaskTemplates :	STRING
Stop process, task instances before undeployment. (boolean)	
tags :	SET_OF_STRING
If set, this deployable will only be mapped automatically to containers with the same tag.	
Hidden Properties	
textFileNamesRegex :	STRING = .+\. (cfg conf config ini properties props txt asp aspx htm html jsf jsp xht xhtml sql xml xsd xsl xslt)
Regular expression that matches file names of text files	

wps.EarModule

Hierarchy `wps.BaseEarModule >> was.ExtensibleDeployedArtifact >> was.ExtensibleDeployed >> python.PythonManagedDeployed >> udm.BaseDeployed >> udm.BaseConfigurationItem`

Interfaces `udm.Artifact, udm.Deployed, udm.ConfigurationItem, udm.DerivedArtifact`

Description unavailable

Public Properties	
 container :	CI<udm.Container>
The container on which this deployed runs.	
deployable :	CI<udm.Deployable>
The deployable that this deployed is derived from.	
placeholders :	MAP_STRING_STRING
A Map containing all the placeholders mapped to their values. Special values are or	
preCompileJsps :	BOOLEAN = false
Specify whether to precompile JavaServer Pages (JSP) files as a part of installation. The default is not to precompile JSP files.	
roleMappings :	MAP_STRING_STRING
Security role to user/group mapping	
sharedLibraries :	SET_OF_CI<was.SharedLibrary>
Shared libraries used by this application	
startingWeight :	INTEGER = 1
Specifies the order in which modules are started when the server starts. The module with the lowest starting weight is started first.	
stopProcessAndTaskTemplates :	BOOLEAN = true
Stop process, task instances before undeployment.	
virtualHost :	CI<was.VirtualHost>

Virtual host this application should be mapped to
webServers : SET_OF_CI<was.ManagedWebServer>

Web servers this application should be mapped to

Hidden Properties

createOrder : INTEGER = 70

The order in which a create step will be executed.

createScript : STRING = was/application/deploy-application.py

Python wsadmin script invoked to create a Java EE artifact.

createVerb : STRING = Deploy

The word is used to prefix a step description for the create operation.

deleteBpcTemplatesScript : STRING = wps/application/delete-processes-tasks.py

Delete Bpc Templates Script

deleteBpcTemplatesScriptOrder : INTEGER = 9

The order in which the delete and stop process, task instances step will be executed.

deleteInstancesAndStopTemplatesPythonScript : STRING = wps/application/delete-processes-tasks.py

Delete Instances And Stop Templates Python Script

destroyOrder : INTEGER = 30

The order in which a destroy step will be executed.

destroyScript : STRING = was/application/undeploy-application.py

Python wsadmin script invoked to destroy a Java EE artifact.

destroyVerb : STRING = Undeploy

The word is used to prefix a step description for the destroy operation.

inspectVerb : STRING = Inspect

The word is used to prefix a step description for the inspect operation.

modifyOrder : INTEGER = 70

The order in which a modify step will be executed.

modifyVerb : STRING = Upgrade

The word is used to prefix a step description for the modify operation.

standardPropertiesNotToExpose : STRING = id, type, properties, deployable, container, createOrder, createScript, createVerb, syncAfterCreateOrder, modifyOrder, modifyScript, modifyVerb, syncAfterModifyOrder, destroyOrder, destroyScript, securityPermissions, inheritPermissions, exposeDeployedApplication, destroyVerb, syncAfterDestroyOrder, startOrder, startScript, startVerb, stopOrder, stopScript, stopVerb, inspectScript, inspectVerb, libraryScripts

Standard properties that are not exposed to any python wsadmin script.

startApplicationPythonScript : STRING = was/application/start-application.py

Start Application Python Script

startOrder : INTEGER = 90

The order in which a start step will be executed.

startScript : STRING = was/application/start-application.py

Python wsadmin script invoked to start running a Java EE artifact

startTemplatesPythonScript : STRING = wps/application/start-processes-tasks.py

Start Templates Python Script

startVerb : STRING = Start

The word is used to prefix a step description for the start operation.

stopApplicationPythonScript : STRING = was/application/stop-application.py

Stop Application Python Script

stopBpcTemplatesScript : STRING = wps/application/stop-processes-tasks.py

Stop Bpc Templates Script

stopBpcTemplatesScriptOrder : INTEGER = 9

The order in which stop process, task instances step will be executed.

stopOrder : INTEGER = 10

The order in which a stop step will be executed.

stopScript : STRING = was/application/stop-application.py

Python wsadmin script invoked to stop running a Java EE artifact.

stopTemplatesPythonScript : STRING = wps/application/stop-processes-tasks.py

Stop Templates Python Script

stopVerb : STRING = Stop

The word is used to prefix a step description for the stop operation.

syncAfterCreateOrder : INTEGER = 75

The order in which a synchronize after create step will be executed.

syncAfterDestroyOrder : **INTEGER** = 35

Sync After Destroy Order

syncAfterModifyOrder : **INTEGER** = 75

The order in which a synchronize after modify step will be executed.

exposeDeployedApplication : **BOOLEAN** = false

flag to indicate whether the deployed application CI is to be injected to the python script execution context.

inspectScript : **STRING**

Python script invoked to inspect a Java EE artifact or Java EE resource

modifyScript : **STRING**

Python script invoked to upgrade a Java EE artifact or modify a Java EE resource

Control Tasks

deleteInstancesAndStopTemplates

No description.

startApplication

No description.

startTemplates

No description.

stopApplication

No description.

stopTemplates

No description.