

Deployit IBM WebSphere Process Server Plugin Manual

Version 3.8.0

Table of Contents

Table of Contents	2
Preface	3
Overview	3
Features	3
Requirements	3
CI Reference	3
Configuration Item Overview	3
Deployables	3
Deployeds	3
Other Configuration Items	3
Configuration Item Details	3
wps.BaseEarModule	3
wps.Ear	5
wps.EarModule	6

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 3.8+
 - **IBM WebSphere Process Server:** 6.x and 7.x (Unix and Windows)
 - **Other Deployit Plugins:** WAS plugin 3.8+

CI Reference

Configuration Item Overview

Deployables

CI	Description
wps.Ear	Java EE EAR archive

Deployeds

CI	Description
wps.BaseEarModule	Websphere Process Server Ear Module
wps.EarModule	Description unavailable

Other Configuration Items

CI	Description
wps.BaseEarModule	Websphere Process Server Ear Module
wps.Ear	Java EE EAR archive
wps.EarModule	Description unavailable

Configuration Item Details

wps.BaseEarModule

Virtual Type

Type 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

Parent
<p>* container : CI<udm.Container> The container on which this deployed runs.</p>

Public Properties**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.
* discoverOrder : INTEGER = 50	The order in which a discover step will be executed.
* 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, discoverScript, discoverOrder, 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.
libraryScripts : LIST_OF_STRING	List of scripts to appended to the the deployed runtime script
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

Type 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 = false Whether to scan this artifact for placeholders when it is imported
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

Type 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**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.
* discoverOrder : INTEGER = 50	The order in which a discover step will be executed.
* discoverScript : STRING = wps/application/discover-inspect-wps-ear-module.py	Python wsadmin script invoked to inspect a JMS resource.
* libraryScripts : LIST_OF_STRING = [was/application/discover-app-module-lib.py, wps/application/override-was-plugin-functions.py]	Library Scripts
* 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, discoverScript, discoverOrder, 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.		
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.