# Deployit Webserver Plugin Manual

**Version 3.9.0**

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## Preface

This document describes the functionality provided by the Webserver plugin.

See the **Deployit Reference Manual** for background information on Deployit and deployment concepts.

## Overview

The webserver-plugin is a Deployit plugin that supports deployment of web content and webserver configuration to a webserver.

## Features

- Runs on Deployit 3.6 and up.
- Supports deployment to Apache and IHS webservers.
- Deploys and undeploys webserver artifacts:
  - Web content (HTML pages, images, etc.)
  - Virtual host configuration
  - Any configuration fragment
- Supports starting, stopping and restarting of webservers as control tasks.

## Requirements

- **Deployit requirements**
  - **Deployit**: version 3.6+
  - **Other Deployit Plugins**: None
- **Infrastructural requirements**
  - **User credentials** for accessing the webserver executables on the host running the webserver.

## Usage in Deployment Packages

The following is a manifest snippet that shows how web content and a virtual host can be included in a deployment package. The web content CI refers to a folder, *html*, included in the deployment package.

```
Manifest-Version: 1.0
Deployit-Package-Format-Version: 1.3
CI-Application: PetClinic-ear
CI-Version: 2.0

Name: PetClinic-2.0.ear
CI-Type: jee.Ear
CI-Name: PetClinic

Name: html
CI-Type: www.WebContent
CI-Name: PetClinic-html

Name: PetClinic-vh
CI-Type: www.ApacheVirtualHostSpec
CI-host: *
CI-port: 8080
```

## Using the deployables and deployeds

The following table describes which deployable/container combinations are possible.

## Deployable vs. Container table

| Deployable | Container | Generated deployed |
|---|---|---|
| www.WebContent | www.ApacheHttpdServer | www.PublishedWebContent |
| www.ApacheVirtualHostSpec | www.ApacheHttpdServer | www.ApacheVirtualHost |
| www.ApacheConfFragmentSpec | www.ApacheHttpdServer | www.ApacheConfFragment |

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The following table describes the effect a deployed has on it's container.

## Deployed Actions Table

| Deployed | Actions performed for operations | | |
|---|---|---|---|
| | Create | Destroy | Modify |
| www.PublishedWebContent | • Create target path on webserver, if needed<br>• Copy web content to target path on webserver | • Delete web content from host | • Delete existing web content from webserver<br>• Copy modified web content to target path on webserver |
| www.ApacheVirtualHost | • Copy virtual host configuration to webserver | • Delete virtual host configuration from webserver | • Delete virtual host configuration from webserver<br>• Copy new virtual host configuration to webserver |
| www.ApacheConfFragment | • Copy configuration fragment to webserver | • Delete configuration fragment from webserver | • Delete configuration fragment from webserver<br>• Copy new configuration fragment to webserver |

## CI Reference

## Configuration Item Overview

### Deployables

| CI | Description |
|---|---|
| www.ApacheConfFile | Apache configuration file |
| www.ApacheConfFragmentSpec | Specification for an Apache configuration fragment |
| www.ApacheProxyPassSpec | Description unavailable (deployable) |
| www.ApacheVirtualHostSpec | Specification for an Apache virtual host |
| www.WebContent | Folder containing web content (HTML pages, images, etc) |

### Deployeds

| CI | Description |
|---|---|
| www.ApacheConfFragment | Deployed generated Apache configuration file |
| www.ApacheProxyPass | Description unavailable |
| www.ApacheVirtualHost | Apache virtual host |
| www.DeployedApacheConfFile | Deployed Apache configuration file |
| www.PublishedWebContent | Web content on the webserver |

### Containers

| CI | Description |
|---|---|
| www.ApacheHttpdServer | Apache HTTPD web server |

### Other Configuration Items

| CI | Description |
|---|---|
| www.ApacheConfFile | Apache configuration file |
| www.ApacheConfFragment | Deployed generated Apache configuration file |
| www.ApacheConfFragmentSpec | Specification for an Apache configuration fragment |
| www.ApacheHttpdServer | Apache HTTPD web server |
| www.ApacheProxyPass | Description unavailable |
| www.ApacheProxyPassSpec | Description unavailable (deployable) |
| www.ApacheVirtualHost | Apache virtual host |
| www.ApacheVirtualHostSpec | Specification for an Apache virtual host |
| www.DeployedApacheConfFile | Deployed Apache configuration file |
| www.PublishedWebContent | Web content on the webserver |
| www.WebContent | Folder containing web content (HTML pages, images, etc) |

## Configuration Item Details

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### www.ApacheConfFile

| | |
|---|---|
| **Type Hierarchy** | generic.File >> udm.BaseDeployableFileArtifact >> udm.BaseDeployableArtifact >> udm.BaseDeployable >> udm.BaseConfigurationItem |
| **Interfaces** | udm.Taggable, udm.Deployable, udm.SourceArtifact, udm.Artifact, udm.DeployableArtifact, udm.ConfigurationItem, udm.FileArtifact |

Apache configuration file

**Public Properties**

**checksum** : STRING
The checksum used to detect differences on the artifact. If not provided, it will be calculated by Deployit.

**excludeFileNamesRegex** : STRING
Regular expression that matches file names that must be excluded from scanning

**placeholders** : SET_OF_STRING
Placeholders detected in this artifact

**scanPlaceholders** : BOOLEAN = true
Whether to scan this artifact for placeholders when it is imported

**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

### www.ApacheConfFragment

| | |
|---|---|
| **Type Hierarchy** | generic.ProcessedTemplate >> generic.AbstractDeployedArtifact >> generic.AbstractDeployed >> udm.BaseDeployed >> udm.BaseConfigurationItem |
| **Interfaces** | udm.EmbeddedDeployedContainer, udm.Deployed, udm.ConfigurationItem |

Deployed generated Apache configuration file

**Parent**

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

**Public Properties**

**deployable** : CI<udm.Deployable>
The deployable that this deployed is derived from.

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**Hidden Properties**

* **createOptions** : SET_OF_STRING = [uploadArtifactData]
  Options for the create step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).
* **createOrder** : INTEGER = 50
  The order of the step in the step list for the create operation.
* **createVerb** : STRING = Deploy
  Create Verb
* **destroyOptions** : SET_OF_STRING = [none]
  Options for the destroy step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).
* **destroyOrder** : INTEGER = 40
  The order of the step in the step list for the destroy operation.
* **destroyVerb** : STRING = Remove
  Destroy Verb
* **modifyOptions** : SET_OF_STRING = [uploadArtifactData]
  Options for the modify step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).
* **modifyOrder** : INTEGER = 50
  The order of the step in the step list for the modify operation.
* **modifyVerb** : STRING = Modify
  Modify Verb
* **noopOptions** : SET_OF_STRING = [none]
  Options for the noop step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).
* **noopOrder** : INTEGER = 50
  The order of the step in the step list for the noop operation.
* **noopVerb** : STRING = Modify
  Noop Verb
* **targetDirectory** : STRING = ${deployed.container.configurationFragmentDirectory}
  Target directory name
* **targetFile** : STRING = ${deployed.name}.conf
  Target file name
* **template** : STRING = www/apache/${deployed.type}.conf.ftl
  Configuration fragment template file name.

**createTargetDirectory** : BOOLEAN = false
Create the target directory on the generic server if it does not exist.

**inspectClasspathResources** : SET_OF_STRING
Additional classpath resources that should be uploaded to the working directory before executing the inspect script.

**inspectScript** : STRING
Classpath to the script used to inspect the generic container.

**inspectTemplateClasspathResources** : SET_OF_STRING
Additional template classpath resources that should be uploaded to the working directory before executing the inspect script.The template is first rendered and the rendered content copied to a file, with the same name as the template, in the working directory.

**restartRequired** : BOOLEAN = true
Restart Required

**restartRequiredForNoop** : BOOLEAN = false
The generic container requires a restart for the NOOP action performed by this deployed.

**targetDirectoryShared** : BOOLEAN = true
Is the target directory shared by others on the generic server. When true, the target directory is not deleted during a destroy operation; only the artifacts copied to it.

## www.ApacheConfFragmentSpec

| | |
|---|---|
| **Type Hierarchy** | generic.Resource >> udm.BaseDeployable >> udm.BaseConfigurationItem |
| **Interfaces** | udm.Taggable, udm.Deployable, udm.ConfigurationItem |

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Specification for an Apache configuration fragment.

| Public Properties |
| --- |
| **tags** : SET_OF_STRING<br>If set, this deployable will only be mapped automatically to containers with the same tag. |

## www.ApacheHttpdServer

| | |
| --- | --- |
| **Type Hierarchy** | generic.Container >> udm.BaseContainer >> udm.BaseConfigurationItem |
| **Interfaces** | udm.Taggable, udm.ConfigurationItem, generic.GenericContainer, udm.Container, overthere.HostContainer |

Apache HTTPD web server

| Parent |
| --- |
| * **host** : CI<overthere.Host><br>Host upon which the container resides |

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| Hidden Properties | |
|---|---|
| * | **restartOrder** : INTEGER = 90<br>The order of the restart container step in the step list. |
| * | **restartScript** : STRING = <#assign restart=(container.restartCommand)!"><#if restart != ">www/apache/restart<#else>www/apache/stopstart<br>The command to restart or reload Apache. If left blank, the sequence 'stop, start' is used. Arguments containing spaces are not supported |
| * | **startOrder** : INTEGER = 90<br>The order of the start container step in the step list. |
| * | **startScript** : STRING = www/apache/start<br>The command to start Apache. Arguments containing spaces are not supported |
| * | **stopOrder** : INTEGER = 10<br>The order of the stop container step in the step list. |
| * | **stopScript** : STRING = www/apache/stop<br>The command to stop Apache. Arguments containing spaces are not supported |
| | **inspectClasspathResources** : SET_OF_STRING<br>Additional classpath resources that should be uploaded to the working directory before executing the inspect script. |
| | **inspectScript** : STRING<br>Classpath to the script used to inspect the generic container. |
| | **inspectTemplateClasspathResources** : SET_OF_STRING<br>Additional template classpath resources that should be uploaded to the working directory before executing the inspect script.The template is first rendered and the rendered content copied to a file, with the same name as the template, in the working directory. |

| Control task | Parameter CI | Attributes | Description |
|---|---|---|---|
| **restart** | | | Restart Apache |
| **start** | | | Start Apache |
| **stop** | | | Stop Apache |

## www.ApacheProxyPass

**Type Hierarchy** www.ApacheConfFragment >> generic.ProcessedTemplate >> generic.AbstractDeployedArtifact >> generic.AbstractDeployed >> udm.BaseDeployed >> udm.BaseConfigurationItem

**Interfaces** udm.EmbeddedDeployedContainer, udm.Deployed, udm.ConfigurationItem

Description unavailable

| Parent | |
|---|---|
| * | **container** : CI<udm.Container><br>The container on which this deployed runs. |

| Public Properties | |
|---|---|
| * | **from** : STRING<br>The path that needs to be proxied |
| * | **to** : STRING<br>The URL that the from path needs to be proxied to |
| | **deployable** : CI<udm.Deployable><br>The deployable that this deployed is derived from. |
| | **options** : STRING =<br>The proxy parameters |
| | **reverse** : BOOLEAN = false<br>Whether to set up a ProxyPassReverse also |

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**Hidden Properties**

* **createOptions** : SET_OF_STRING = [uploadArtifactData]
  Options for the create step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).
* **createOrder** : INTEGER = 50
  The order of the step in the step list for the create operation.
* **createVerb** : STRING = Deploy
  Create Verb
* **destroyOptions** : SET_OF_STRING = [none]
  Options for the destroy step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).
* **destroyOrder** : INTEGER = 40
  The order of the step in the step list for the destroy operation.
* **destroyVerb** : STRING = Remove
  Destroy Verb
* **modifyOptions** : SET_OF_STRING = [uploadArtifactData]
  Options for the modify step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).
* **modifyOrder** : INTEGER = 50
  The order of the step in the step list for the modify operation.
* **modifyVerb** : STRING = Modify
  Modify Verb
* **noopOptions** : SET_OF_STRING = [none]
  Options for the noop step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).
* **noopOrder** : INTEGER = 50
  The order of the step in the step list for the noop operation.
* **noopVerb** : STRING = Modify
  Noop Verb
* **targetDirectory** : STRING = ${deployed.container.configurationFragmentDirectory}
  Target directory name
* **targetFile** : STRING = ${deployed.name}.conf
  Target file name
* **template** : STRING = www/apache/${deployed.type}.conf.ftl
  Configuration fragment template file name.

**createTargetDirectory** : BOOLEAN = false
Create the target directory on the generic server if it does not exist.

**inspectClasspathResources** : SET_OF_STRING
Additional classpath resources that should be uploaded to the working directory before executing the inspect script.

**inspectScript** : STRING
Classpath to the script used to inspect the generic container.

**inspectTemplateClasspathResources** : SET_OF_STRING
Additional template classpath resources that should be uploaded to the working directory before executing the inspect script.The template is first rendered and the rendered content copied to a file, with the same name as the template, in the working directory.

**restartRequired** : BOOLEAN = true
Restart Required

**restartRequiredForNoop** : BOOLEAN = false
The generic container requires a restart for the NOOP action performed by this deployed.

**targetDirectoryShared** : BOOLEAN = true
Is the target directory shared by others on the generic server. When true, the target directory is not deleted during a destroy operation; only the artifacts copied to it.

## www.ApacheProxyPassSpec

| | |
|---|---|
| **Type Hierarchy** | www.ApacheConfFragmentSpec >> generic.Resource >> udm.BaseDeployable >> udm.BaseConfigurationItem |
| **Interfaces** | udm.Taggable, udm.Deployable, udm.ConfigurationItem |

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Description unavailable (deployable)

| Public Properties |
| --- |
| **from** : STRING<br>The path that needs to be proxied (string) |
| **options** : STRING<br>The proxy parameters (string) |
| **reverse** : STRING<br>Whether to set up a ProxyPassReverse also (boolean) |
| **tags** : SET_OF_STRING<br>If set, this deployable will only be mapped automatically to containers with the same tag. |
| **to** : STRING<br>The URL that the from path needs to be proxied to (string) |

## www.ApacheVirtualHost

| | |
| --- | --- |
| **Type Hierarchy** | www.ApacheConfFragment >> generic.ProcessedTemplate >> generic.AbstractDeployedArtifact >> generic.AbstractDeployed >> udm.BaseDeployed >> udm.BaseConfigurationItem |
| **Interfaces** | udm.EmbeddedDeployedContainer, udm.Deployed, udm.ConfigurationItem |

Apache virtual host

| Parent |
| --- |
| * **container** : CI<udm.Container><br>The container on which this deployed runs. |

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| Hidden Properties |
|---|
| * **createOptions** : SET_OF_STRING = [uploadArtifactData]<br>Options for the create step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources). |
| * **createOrder** : INTEGER = 50<br>The order of the step in the step list for the create operation. |
| * **createVerb** : STRING = Deploy<br>Create Verb |
| * **destroyOptions** : SET_OF_STRING = [none]<br>Options for the destroy step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources). |
| * **destroyOrder** : INTEGER = 40<br>The order of the step in the step list for the destroy operation. |
| * **destroyVerb** : STRING = Remove<br>Destroy Verb |
| * **modifyOptions** : SET_OF_STRING = [uploadArtifactData]<br>Options for the modify step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources). |
| * **modifyOrder** : INTEGER = 50<br>The order of the step in the step list for the modify operation. |
| * **modifyVerb** : STRING = Modify<br>Modify Verb |
| * **noopOptions** : SET_OF_STRING = [none]<br>Options for the noop step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources). |
| * **noopOrder** : INTEGER = 50<br>The order of the step in the step list for the noop operation. |
| * **noopVerb** : STRING = Modify<br>Noop Verb |
| * **targetDirectory** : STRING = ${deployed.container.configurationFragmentDirectory}<br>Target directory name |
| * **targetFile** : STRING = ${deployed.name}.conf<br>Target file name |
| * **template** : STRING = www/apache/${deployed.type}.conf.ftl<br>Configuration fragment template file name. |
| **createTargetDirectory** : BOOLEAN = false<br>Create the target directory on the generic server if it does not exist. |
| **inspectClasspathResources** : SET_OF_STRING<br>Additional classpath resources that should be uploaded to the working directory before executing the inspect script. |
| **inspectScript** : STRING<br>Classpath to the script used to inspect the generic container. |
| **inspectTemplateClasspathResources** : SET_OF_STRING<br>Additional template classpath resources that should be uploaded to the working directory before executing the inspect script.The template is first rendered and the rendered content copied to a file, with the same name as the template, in the working directory. |
| **restartRequired** : BOOLEAN = true<br>Restart Required |
| **restartRequiredForNoop** : BOOLEAN = false<br>The generic container requires a restart for the NOOP action performed by this deployed. |
| **targetDirectoryShared** : BOOLEAN = true<br>Is the target directory shared by others on the generic server. When true, the target directory is not deleted during a destroy operation; only the artifacts copied to it. |

## www.ApacheVirtualHostSpec

| | |
|---|---|
| **Type Hierarchy** | www.ApacheConfFragmentSpec >> generic.Resource >> udm.BaseDeployable >> udm.BaseConfigurationItem |
| **Interfaces** | udm.Taggable, udm.Deployable, udm.ConfigurationItem |

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Specification for an Apache virtual host

| Public Properties |
| --- |
| **documentRoot** : STRING<br>The document root for web content using this virtual host. If left blank, a directory is created in the web server's document root (string) |
| **host** : STRING<br>The virtual host name. Use '*' to match all hosts (string) |
| **port** : STRING<br>The virtual host port. Use '*' to match all ports (string) |
| **tags** : SET_OF_STRING<br>If set, this deployable will only be mapped automatically to containers with the same tag. |

## www.DeployedApacheConfFile

| | |
| --- | --- |
| **Type Hierarchy** | generic.CopiedArtifact >> generic.AbstractDeployedArtifact >> generic.AbstractDeployed >> udm.BaseDeployed >> udm.BaseConfigurationItem |
| **Interfaces** | udm.EmbeddedDeployedContainer, udm.Artifact, udm.Deployed, udm.ConfigurationItem, udm.DerivedArtifact |

Deployed Apache configuration file

| Parent |
| --- |
| * **container** : CI<udm.Container><br>The container on which this deployed runs. |

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**Hidden Properties**

* **createOptions** : SET_OF_STRING = [uploadArtifactData]
  Options for the create step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).
* **createOrder** : INTEGER = 50
  The order of the step in the step list for the create operation.
* **createVerb** : STRING = Deploy
  Create Verb
* **destroyOptions** : SET_OF_STRING = [none]
  Options for the destroy step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).
* **destroyOrder** : INTEGER = 40
  The order of the step in the step list for the destroy operation.
* **destroyVerb** : STRING = Remove
  Destroy Verb
* **modifyOptions** : SET_OF_STRING = [uploadArtifactData]
  Options for the modify step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).
* **modifyOrder** : INTEGER = 50
  The order of the step in the step list for the modify operation.
* **modifyVerb** : STRING = Modify
  Modify Verb
* **noopOptions** : SET_OF_STRING = [none]
  Options for the noop step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).
* **noopOrder** : INTEGER = 50
  The order of the step in the step list for the noop operation.
* **noopVerb** : STRING = Modify
  Noop Verb
* **targetDirectory** : STRING = ${deployed.container.configurationFragmentDirectory}
  Target directory name
* **targetFile** : STRING = ${deployed.name}
  Target file name

**createTargetDirectory** : BOOLEAN = false
Create the target directory on the generic server if it does not exist.

**inspectClasspathResources** : SET_OF_STRING
Additional classpath resources that should be uploaded to the working directory before executing the inspect script.

**inspectScript** : STRING
Classpath to the script used to inspect the generic container.

**inspectTemplateClasspathResources** : SET_OF_STRING
Additional template classpath resources that should be uploaded to the working directory before executing the inspect script.The template is first rendered and the rendered content copied to a file, with the same name as the template, in the working directory.

**preserveExistingFiles** : BOOLEAN = false
if true, preserve the existing files on the remote host (do not delete the copied files during the destroy operation).

**restartRequired** : BOOLEAN = true
Restart Required

**restartRequiredForNoop** : BOOLEAN = false
The generic container requires a restart for the NOOP action performed by this deployed.

**targetDirectoryShared** : BOOLEAN = true
Is the target directory shared by others on the generic server. When true, the target directory is not deleted during a destroy operation; only the artifacts copied to it.

**targetPathSharedSubDirectories** : BOOLEAN = false
The sub directories on the target machine are not deleted if files other than that copied by Deployit are present. Please note that setting this option to true will cause the removal process to be a bit slower.

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### www.PublishedWebContent

| | |
|---|---|
| **Type Hierarchy** | generic.CopiedArtifact >> generic.AbstractDeployedArtifact >> generic.AbstractDeployed >> udm.BaseDeployed >> udm.BaseConfigurationItem |
| **Interfaces** | udm.EmbeddedDeployedContainer, udm.Artifact, udm.Deployed, udm.ConfigurationItem, udm.DerivedArtifact |

Web content on the webserver

**Parent**

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

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**Hidden Properties**

* **createOptions** : SET_OF_STRING = [uploadArtifactData]
  Options for the create step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).

* **createOrder** : INTEGER = 50
  The order of the step in the step list for the create operation.

* **createVerb** : STRING = Deploy
  Create Verb

* **destroyOptions** : SET_OF_STRING = [none]
  Options for the destroy step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).

* **destroyOrder** : INTEGER = 40
  The order of the step in the step list for the destroy operation.

* **destroyVerb** : STRING = Remove
  Destroy Verb

* **modifyOptions** : SET_OF_STRING = [uploadArtifactData]
  Options for the modify step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).

* **modifyOrder** : INTEGER = 50
  The order of the step in the step list for the modify operation.

* **modifyVerb** : STRING = Modify
  Modify Verb

* **noopOptions** : SET_OF_STRING = [none]
  Options for the noop step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).

* **noopOrder** : INTEGER = 50
  The order of the step in the step list for the noop operation.

* **noopVerb** : STRING = Modify
  Noop Verb

* **targetDirectory** : STRING = <#assign target=(deployed.virtualHost.documentRoot)!''/><#if target != ''>${target}<#else>${deployed.container.defaultDocumentRoot}
  Target directory name

**createTargetDirectory** : BOOLEAN = false
Create the target directory on the generic server if it does not exist.

**inspectClasspathResources** : SET_OF_STRING
Additional classpath resources that should be uploaded to the working directory before executing the inspect script.

**inspectScript** : STRING
Classpath to the script used to inspect the generic container.

**inspectTemplateClasspathResources** : SET_OF_STRING
Additional template classpath resources that should be uploaded to the working directory before executing the inspect script.The template is first rendered and the rendered content copied to a file, with the same name as the template, in the working directory.

**preserveExistingFiles** : BOOLEAN = false
if true, preserve the existing files on the remote host (do not delete the copied files during the destroy operation).

**restartRequired** : BOOLEAN = false
Restart Required

**restartRequiredForNoop** : BOOLEAN = false
The generic container requires a restart for the NOOP action performed by this deployed.

**targetDirectoryShared** : BOOLEAN = true
Is the target directory shared by others on the generic server. When true, the target directory is not deleted during a destroy operation; only the artifacts copied to it.

**targetFile** : STRING
Target File

**targetPathSharedSubDirectories** : BOOLEAN = false
The sub directories on the target machine are not deleted if files other than that copied by Deployit are present. Please note that setting this option to true will cause the removal process to be a bit slower.

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### www.WebContent

| | |
|---|---|
| **Type Hierarchy** | generic.Folder >> udm.BaseDeployableFolderArtifact >> udm.BaseDeployableArtifact >> udm.BaseDeployable >> udm.BaseConfigurationItem |
| **Interfaces** | udm.Taggable, udm.Deployable, udm.SourceArtifact, udm.Artifact, udm.DeployableArtifact, udm.ConfigurationItem, udm.FolderArtifact |

Folder containing web content (HTML pages, images, etc)

| Public Properties | |
|---|---|
| | **checksum** : STRING<br>The checksum used to detect differences on the artifact. If not provided, it will be calculated by Deployit. |
| | **excludeFileNamesRegex** : STRING<br>Regular expression that matches file names that must be excluded from scanning |
| | **placeholders** : SET_OF_STRING<br>Placeholders detected in this artifact |
| | **scanPlaceholders** : BOOLEAN = true<br>Whether to scan this artifact for placeholders when it is imported |
| | **tags** : SET_OF_STRING<br>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)<br>Regular expression that matches file names of text files |

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