

# Deployit Windows Plugin Manual

Version 3.9.0

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## Preface

This document describes the functionality provided by the Windows plugin.

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

## Overview

The Windows plugin is a Deployit plugin that adds the capability to perform common Windows configuration and deployment tasks.

## Features

- Installs and uninstalls MSI files.
- Imports Windows registry files.
- Creates and destroys Windows services.
- Creates and destroys Windows shares.

## Requirements

- Deployit requirements:
  - Deployit version 3.8.4 or higher.
- Infrastructural requirements:
  - Administrative access to the target Windows machine.
  - PowerShell 2.0 must be installed on the target machine.

## Release Notes

### 3.9.0

- Added support for importing Windows registry files.
- Removed support for `windows.ServiceMsi`.
- Improvements made/bugs fixed:
  - Changed default of `stopStartOnNoop` on `windows.Service` to `true`.
  - DEPLOYITPB-4398 - Don't start or stop services that have `startupType` set to `Disabled`.

### 3.8.1

- Improvements made/bugs fixed:
  - DEPLOYITPB-4260/DEPLOYITPB-4268 - Now uninstalling MSI's by running them with the `/x` flag (instead of invoking the `uninstall` method on the application object retrieved with `Get-WmiObject`).

### 3.8.0

- Added support for Windows services and shares.
- Renamed to Windows plugin.

### 3.7.0

- Initial release of the MSI plugin.

## Usage in deployment packages

The plugin works with the standard deployment package DAR format. Please see the **Packaging Manual** for more details about the DAR format and the ways to compose one. The following is a sample `deployit-manifest.xml` file that includes a few of the deployables provided by the Windows plugin:

```
<?xml version="1.0" encoding="UTF-8"?>
<udm.DeploymentPackage application="Windows" version="1.0">
  <deployables>
    <windows.Msi name="Apache HTTPD" file="httpd-2.2.22-win32-x86-no_ssl.msi" />
    <windows.RegFile name="My service registry key" file="myservice.reg" />
    <windows.ServiceSpec name="My service">
      <binaryPathName>C:\Program Files\Common Services\myservice.exe</binaryPathName>
      <dependsOn>
        <value>tcpip</value>
      </dependsOn>
    </windows.ServiceSpec>
    <windows.ShareSpec name="My share">
      <targetPath>C:\Users\deployit\Public</targetPath>
    </windows.ShareSpec>
  </deployables>
</udm.DeploymentPackage>
```

## Caveats

- Windows registry files are imported when a package containing them is deployed or updated. However, no specific logic for removal of the registry keys is included. Ensure that your registry file removes the complete key used by your application before adding the values. See [Microsoft Knowledge Base article #310516](#) for how to do this in a Windows registry file.
- Ensure `services.msc` is not open when services are being deployed.
  - Otherwise the deployment may hang and/or the machine might need to be rebooted for the changes to take effect.
- Ensure `regedit.exe` is not open when registry files are being imported.
  - Otherwise the deployment may hang and/or the machine might need to be rebooted for the changes to take effect.

## Using the deployables and deployed

### Deployable vs. Container table

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

Deployable	Container	Generated deployed
windows.Msi	overthere.Host	windows.InstalledMsi
windows.RegFile	overthere.Host	windows.ImportedRegFile
windows.ServiceSpec	overthere.Host	windows.Service
windows.ShareSpec	overthere.Host	windows.Share

### Deployed Actions Table

The following table describes the effect a deployed has on its container:

Deployed	Actions performed for operations			
	Create	Destroy	Modify	Noop
windows.InstalledMsi	60. Install MSI (with the /i option)	40. Uninstall MSI (with the /x option)	40. Uninstall MSI (with the /x option) 60. Install MSI (with the /i option)	
windows.ImportedRegFile	72. Import registry file	72. Import registry file	Nothing	
windows.Service	60. Install service 90. Start service	10. Stop service 40. Uninstall service	10. Stop service 40. Uninstall service 60. Install service 90. Start service	10. Stop service (unless stopStartOnNoop equals false) 90. Start service (unless stopStartOnNoop equals false)
windows.Share	60. Create share	40. Remove share	40. Remove share 60. Create share	

## Extending the Windows plugin

The Windows plugin has been written upon the foundations provided by the PowerShell

plugin, which is a standard part of the Deployit server distribution. Please refer to the documentation of the PowerShell plugin for details on how to extend PowerShell-based plugins.

## CI Reference

### Configuration Item Overview

#### Deployables

CI	Description
<a href="#">windows.Msi</a>	MSI file
<a href="#">windows.RegFile</a>	Windows
<a href="#">windows.ServiceSpec</a>	Specification of a Windows service
<a href="#">windows.ShareSpec</a>	Specification of a Windows share

#### Deployeds

CI	Description
<a href="#">windows.ImportedRegFile</a>	Imported Windows
<a href="#">windows.InstalledMsi</a>	Installed MSI
<a href="#">windows.Service</a>	Windows service
<a href="#">windows.Share</a>	Windows share

#### Other Configuration Items

CI	Description
<a href="#">windows.ImportedRegFile</a>	Imported Windows
<a href="#">windows.InstalledMsi</a>	Installed MSI
<a href="#">windows.Msi</a>	MSI file
<a href="#">windows.RegFile</a>	Windows
<a href="#">windows.Service</a>	Windows service
<a href="#">windows.ServiceSpec</a>	Specification of a Windows service
<a href="#">windows.Share</a>	Windows share
<a href="#">windows.ShareSpec</a>	Specification of a Windows share

### Configuration Item Details

#### windows.ImportedRegFile

**Type Hierarchy** powershell.ExtensiblePowerShellDeployedArtifact >>  
 powershell.BaseExtensiblePowerShellDeployed >>  
 powershell.BasePowerShellDeployed >> udm.BaseDeployed >>  
 udm.BaseConfigurationItem

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

Imported Windows .reg file

Parent
<b>* container</b> : <a href="#">CI</a> <a href="#">udm.Container</a> > The container on which this deployed runs.

Hidden Properties	
<b>* createOptions</b> : SET_OF_STRING = [uploadArtifactData]	Options for the create step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
<b>* createOrder</b> : INTEGER = 72	Order at which the create step will be executed.
<b>* createScript</b> : STRING = windows/import-reg-file.ps1	PowerShell script invoked to create a resource (or deploy an artifact) on Windows.
<b>* createVerb</b> : STRING = Import	Verb that is used to prefix the description for the create step.
<b>* destroyOptions</b> : SET_OF_STRING = [none]	Options for the destroy step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
<b>* destroyOrder</b> : INTEGER = 40	Order at which the destroy step will be executed.
<b>* destroyVerb</b> : STRING = Destroy	Verb that is used to prefix the description for the destroy step.
<b>* discoverOrder</b> : INTEGER = 50	Order at which the discover step will be executed.
<b>* modifyOptions</b> : SET_OF_STRING = [uploadArtifactData]	Options for the modify step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
<b>* modifyOrder</b> : INTEGER = 72	Order at which the modify step will be executed.
<b>* modifyScript</b> : STRING = windows/import-reg-file.ps1	PowerShell script invoked to modify a resource (or an artifact) on Windows.
<b>* modifyVerb</b> : STRING = Import	Verb that is used to prefix the description for the modify step.
<b>* noopOptions</b> : SET_OF_STRING = [none]	Options for the noop step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
<b>* noopOrder</b> : INTEGER = 50	Order at which the noop step will be executed.
<b>* noopVerb</b> : STRING = Noop	Verb that is used to prefix the description for the noop step.
<b>* startOptions</b> : SET_OF_STRING = [none]	Options for the start step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
<b>* startOrder</b> : INTEGER = 90	Order at which the start step will be executed.
<b>* startVerb</b> : STRING = Start	Verb that is used to prefix the description for the start step.
<b>* stopOptions</b> : SET_OF_STRING = [none]	Options for the stop step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
<b>* stopOrder</b> : INTEGER = 10	Order at which the stop script will be executed.
<b>* stopVerb</b> : STRING = Stop	Verb that is used to prefix the description for the stop step.
<b>destroyScript</b> : STRING	PowerShell script invoked to destroy a resource (or undeploy an artifact) on Windows.
<b>discoverScript</b> : STRING	Script invoked to discover and inspect deployments of this type.
<b>libraryScripts</b> : LIST_OF_STRING	List of scripts to append to the step script.
<b>noopScript</b> : STRING	PowerShell script invoked to noop a resource or an artifact on Windows.
<b>startScript</b> : STRING	PowerShell script invoked to start a resource or an artifact on Windows.
<b>stopScript</b> : STRING	PowerShell script invoked to stop a resource or an artifact on Windows.

**stopStartOnNoop** : **BOOLEAN** = false


If set to true, the stop and start scripts will be executed even if this deployable was not changed.

## windows.InstalledMsi

**Type Hierarchy** powershell.ExtensiblePowerShellDeployedArtifact >>  
powershell.BaseExtensiblePowerShellDeployed >>  
powershell.BasePowerShellDeployed >> udm.BaseDeployed >>  
udm.BaseConfigurationItem

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

Installed MSI

Parent	
	<b>container</b> : <b>CI</b> <udm.Container> The container on which this deployed runs.
Public Properties	
	<b>additionalInstallProperties</b> : <b>STRING</b> Additional install properties for this MSI
	<b>additionalUninstallProperties</b> : <b>STRING</b> Additional uninstall properties for this MSI
	<b>deployable</b> : <b>CI</b> <udm.Deployable> The deployable that this deployed is derived from.
	<b>logOptions</b> : <b>STRING</b> Options for the /L command line option, see <a href="http://technet.microsoft.com/en-us/library/cc759262(v=ws.10).aspx">http://technet.microsoft.com/en-us/library/cc759262(v=ws.10).aspx</a>
	<b>placeholders</b> : <b>MAP_STRING_STRING</b> A Map containing all the placeholders mapped to their values. Special values are or

Hidden Properties	
<b>* createOptions</b> : SET_OF_STRING = [uploadArtifactData]	Options for the create step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
<b>* createOrder</b> : INTEGER = 60	Order at which the create step will be executed.
<b>* createScript</b> : STRING = windows/install-msi.ps1	PowerShell script invoked to create a resource (or deploy an artifact) on Windows.
<b>* createVerb</b> : STRING = Install	Verb that is used to prefix the description for the create step.
<b>* destroyOptions</b> : SET_OF_STRING = [uploadArtifactData]	Options for the destroy step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
<b>* destroyOrder</b> : INTEGER = 40	Order at which the destroy step will be executed.
<b>* destroyScript</b> : STRING = windows/uninstall-msi.ps1	PowerShell script invoked to destroy a resource (or undeploy an artifact) on Windows.
<b>* destroyVerb</b> : STRING = Uninstall	Verb that is used to prefix the description for the destroy step.
<b>* discoverOrder</b> : INTEGER = 50	Order at which the discover step will be executed.
<b>* modifyOptions</b> : SET_OF_STRING = [uploadArtifactData]	Options for the modify step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
<b>* modifyOrder</b> : INTEGER = 60	Order at which the modify step will be executed.
<b>* modifyVerb</b> : STRING = Modify	Verb that is used to prefix the description for the modify step.
<b>* noopOptions</b> : SET_OF_STRING = [none]	Options for the noop step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
<b>* noopOrder</b> : INTEGER = 50	Order at which the noop step will be executed.
<b>* noopVerb</b> : STRING = Noop	Verb that is used to prefix the description for the noop step.
<b>* startOptions</b> : SET_OF_STRING = [none]	Options for the start step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
<b>* startOrder</b> : INTEGER = 90	Order at which the start step will be executed.
<b>* startVerb</b> : STRING = Start	Verb that is used to prefix the description for the start step.
<b>* stopOptions</b> : SET_OF_STRING = [none]	Options for the stop step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
<b>* stopOrder</b> : INTEGER = 10	Order at which the stop script will be executed.
<b>* stopVerb</b> : STRING = Stop	Verb that is used to prefix the description for the stop step.
<b>discoverScript</b> : STRING	Script invoked to discover and inspect deployments of this type.
<b>libraryScripts</b> : LIST_OF_STRING	List of scripts to append to the the step script.
<b>modifyScript</b> : STRING	PowerShell script invoked to modify a resource (or an artifact) on Windows.
<b>noopScript</b> : STRING	PowerShell script invoked to noop a resource or an artifact on Windows.
<b>startScript</b> : STRING	PowerShell script invoked to start a resource of an artifact on Windows.
<b>stopScript</b> : STRING	PowerShell script invoked to stop a resource or an artifact on Windows.

**stopStartOnNoop** : **BOOLEAN** = **false**

If set to true, the stop and start scripts will be executed even if this deployable was not changed.

## windows.Msi

**Type Hierarchy** powershell.BasePowerShellDeployableFileArtifact >>  
udm.BaseDeployableFileArtifact >> udm.BaseDeployableArtifact >>  
udm.BaseDeployable >> udm.BaseConfigurationItem

**Interfaces** udm.Taggable, udm.Deployable, udm.SourceArtifact, udm.Artifact,  
udm.DeployableArtifact, udm.ConfigurationItem, udm.FileArtifact

MSI file

Public Properties	
<b>additionalInstallProperties</b> : <b>STRING</b>	Additional install properties for this MSI (string)
<b>additionalUninstallProperties</b> : <b>STRING</b>	Additional uninstall properties for this MSI (string)
<b>checksum</b> : <b>STRING</b>	The checksum used to detect differences on the artifact. If not provided, it will be calculated by Deployit.
<b>excludeFileNamesRegex</b> : <b>STRING</b>	Regular expression that matches file names that must be excluded from scanning
<b>logOptions</b> : <b>STRING</b>	Options for the /L command line option, see <a href="http://technet.microsoft.com/en-us/library/cc759262(v=ws.10).aspx">http://technet.microsoft.com/en-us/library/cc759262(v=ws.10).aspx</a> (string)
<b>placeholders</b> : <b>SET_OF_STRING</b>	Placeholders detected in this artifact
<b>scanPlaceholders</b> : <b>BOOLEAN</b> = <b>true</b>	Whether to scan this artifact for placeholders when it is imported
<b>tags</b> : <b>SET_OF_STRING</b>	If set, this deployable will only be mapped automatically to containers with the same tag.
Hidden Properties	
<b>* textFileNamesRegex</b> : <b>STRING</b> = <b>.*\.(cfg   conf   config   ini   properties   props   txt   asp   aspx   htm   html   jsf   jsp   xht   xhtml   sql   xml   xsd   xsl   xslt)</b>	Regular expression that matches file names of text files
<b>delimiters</b> : <b>STRING</b> = <b>{{ }}</b>	The delimiters used indicate placeholders, defaults to '{{ }}'. This is a 5 character string with a space in the middle, the first two are the leading delimiter, the last two are the closing delimiter

## windows.RegFile

**Type Hierarchy** powershell.BasePowerShellDeployableFileArtifact >>  
udm.BaseDeployableFileArtifact >> udm.BaseDeployableArtifact >>  
udm.BaseDeployable >> udm.BaseConfigurationItem

**Interfaces** udm.Taggable, udm.Deployable, udm.SourceArtifact, udm.Artifact,  
udm.DeployableArtifact, udm.ConfigurationItem, udm.FileArtifact

Windows .reg file

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

**delimiters** : **STRING** = {{ }}

The delimiters used indicate placeholders, defaults to '{{ }}'. This is a 5 character string with a space in the middle, the first two are the leading delimiter, the last two are the closing delimiter

**windows.Service**

**Type Hierarchy** powershell.ExtensiblePowerShellDeployed >>  
 powershell.BaseExtensiblePowerShellDeployed >>  
 powershell.BasePowerShellDeployed >> udm.BaseDeployed >>  
 udm.BaseConfigurationItem

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

Windows service

**Parent**

\* **container** : **CI**<udm.Container>

The container on which this deployed runs.

**Public Properties**

\* **binaryPathName** : **STRING**

Path of the service binary

\* **startTimeout** : **INTEGER** = 30

Amount of seconds to wait for the service to start

\* **startupType** : **STRING** = Automatic

Startup type is this service. Defaults to Automatic

\* **stopTimeout** : **INTEGER** = 30

Amount of seconds to wait for the service to start

**dependsOn** : **LIST\_OF\_STRING**

Services this service depends on

**deployable** : **CI**<udm.Deployable>

The deployable that this deployed is derived from.

**password** : **STRING**

Password of the account this service should log on as

**serviceDescription** : **STRING**

Description of this service

**serviceDisplayName** : **STRING**

Display name of this service

**serviceName** : **STRING**

Name of the service. Defaults to the name of the deployed if not specified

**stopStartOnNoop** : **BOOLEAN** = true

If set to true, this service is stopped and started when another component in the same package is deployed

**username** : **STRING**

Username of the account this service should log on as

Hidden Properties	
<b>* createOptions</b> : <b>SET_OF_STRING</b> = [uploadArtifactData]	Options for the create step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
<b>* createOrder</b> : <b>INTEGER</b> = 60	Order at which the create step will be executed.
<b>* createScript</b> : <b>STRING</b> = windows/install-service.ps1	PowerShell script invoked to create a resource (or deploy an artifact) on Windows.
<b>* createVerb</b> : <b>STRING</b> = Install	Verb that is used to prefix the description for the create step.
<b>* destroyOptions</b> : <b>SET_OF_STRING</b> = [none]	Options for the destroy step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
<b>* destroyOrder</b> : <b>INTEGER</b> = 40	Order at which the destroy step will be executed.
<b>* destroyScript</b> : <b>STRING</b> = windows/uninstall-service.ps1	PowerShell script invoked to destroy a resource (or undeploy an artifact) on Windows.
<b>* destroyVerb</b> : <b>STRING</b> = Uninstall	Verb that is used to prefix the description for the destroy step.
<b>* discoverOrder</b> : <b>INTEGER</b> = 50	Order at which the discover step will be executed.
<b>* modifyOptions</b> : <b>SET_OF_STRING</b> = [uploadArtifactData]	Options for the modify step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
<b>* modifyOrder</b> : <b>INTEGER</b> = 60	Order at which the modify step will be executed.
<b>* modifyVerb</b> : <b>STRING</b> = Modify	Verb that is used to prefix the description for the modify step.
<b>* noopOptions</b> : <b>SET_OF_STRING</b> = [none]	Options for the noop step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
<b>* noopOrder</b> : <b>INTEGER</b> = 50	Order at which the noop step will be executed.
<b>* noopVerb</b> : <b>STRING</b> = Noop	Verb that is used to prefix the description for the noop step.
<b>* startOptions</b> : <b>SET_OF_STRING</b> = [none]	Options for the start step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
<b>* startOrder</b> : <b>INTEGER</b> = 90	Order at which the start step will be executed.
<b>* startScript</b> : <b>STRING</b> = windows/start-service.ps1	PowerShell script invoked to start a resource of an artifact on Windows.
<b>* startVerb</b> : <b>STRING</b> = Start	Verb that is used to prefix the description for the start step.
<b>* stopOptions</b> : <b>SET_OF_STRING</b> = [none]	Options for the stop step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
<b>* stopOrder</b> : <b>INTEGER</b> = 10	Order at which the stop script will be executed.
<b>* stopScript</b> : <b>STRING</b> = windows/stop-service.ps1	PowerShell script invoked to stop a resource or an artifact on Windows.
<b>* stopVerb</b> : <b>STRING</b> = Stop	Verb that is used to prefix the description for the stop step.
<b>discoverScript</b> : <b>STRING</b>	Script invoked to discover and inspect deployments of this type.
<b>libraryScripts</b> : <b>LIST_OF_STRING</b>	List of scripts to append to the the step script.
<b>modifyScript</b> : <b>STRING</b>	PowerShell script invoked to modify a resource (or an artifact) on Windows.
<b>noopScript</b> : <b>STRING</b>	PowerShell script invoked to noop a resource or an artifact on Windows.

**windows.ServiceSpec**

**Type Hierarchy** powershell.BasePowerShellDeployable >> udm.BaseDeployable >> udm.BaseConfigurationItem

**Interfaces** udm.Taggable, udm.Deployable, udm.ConfigurationItem

Specification of a Windows service

Public Properties	
<b>binaryPathName</b> :	<b>STRING</b> Path of the service binary (string)
<b>dependsOn</b> :	<b>LIST_OF_STRING</b> Services this service depends on (list_of_string)
<b>password</b> :	<b>STRING</b> Password of the account this service should log on as (string)
<b>serviceDescription</b> :	<b>STRING</b> Description of this service (string)
<b>serviceDisplayName</b> :	<b>STRING</b> Display name of this service (string)
<b>serviceName</b> :	<b>STRING</b> Name of the service. Defaults to the name of the deployed if not specified (string)
<b>startTimeout</b> :	<b>STRING</b> Amount of seconds to wait for the service to start (integer)
<b>startupType</b> :	<b>STRING</b> Startup type is this service. Defaults to Automatic (string)
<b>stopStartOnNoop</b> :	<b>STRING</b> If set to true, this service is stopped and started when another component in the same package is deployed (boolean)
<b>stopTimeout</b> :	<b>STRING</b> Amount of seconds to wait for the service to start (integer)
<b>tags</b> :	<b>SET_OF_STRING</b> If set, this deployable will only be mapped automatically to containers with the same tag.
<b>username</b> :	<b>STRING</b> Username of the account this service should log on as (string)

**windows.Share**

**Type Hierarchy** powershell.ExtensiblePowerShellDeployed >> powershell.BaseExtensiblePowerShellDeployed >> powershell.BasePowerShellDeployed >> udm.BaseDeployed >> udm.BaseConfigurationItem

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

Windows share

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

Hidden Properties	
<b>* createOptions</b> : SET_OF_STRING = [uploadArtifactData]	Options for the create step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
<b>* createOrder</b> : INTEGER = 60	Order at which the create step will be executed.
<b>* createScript</b> : STRING = windows/create-share.ps1	PowerShell script invoked to create a resource (or deploy an artifact) on Windows.
<b>* createVerb</b> : STRING = Create	Verb that is used to prefix the description for the create step.
<b>* destroyOptions</b> : SET_OF_STRING = [none]	Options for the destroy step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
<b>* destroyOrder</b> : INTEGER = 40	Order at which the destroy step will be executed.
<b>* destroyScript</b> : STRING = windows/delete-share.ps1	PowerShell script invoked to destroy a resource (or undeploy an artifact) on Windows.
<b>* destroyVerb</b> : STRING = Destroy	Verb that is used to prefix the description for the destroy step.
<b>* discoverOrder</b> : INTEGER = 50	Order at which the discover step will be executed.
<b>* modifyOptions</b> : SET_OF_STRING = [uploadArtifactData]	Options for the modify step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
<b>* modifyOrder</b> : INTEGER = 60	Order at which the modify step will be executed.
<b>* modifyVerb</b> : STRING = Modify	Verb that is used to prefix the description for the modify step.
<b>* noopOptions</b> : SET_OF_STRING = [none]	Options for the noop step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
<b>* noopOrder</b> : INTEGER = 50	Order at which the noop step will be executed.
<b>* noopVerb</b> : STRING = Noop	Verb that is used to prefix the description for the noop step.
<b>* startOptions</b> : SET_OF_STRING = [none]	Options for the start step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
<b>* startOrder</b> : INTEGER = 90	Order at which the start step will be executed.
<b>* startVerb</b> : STRING = Start	Verb that is used to prefix the description for the start step.
<b>* stopOptions</b> : SET_OF_STRING = [none]	Options for the stop step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
<b>* stopOrder</b> : INTEGER = 10	Order at which the stop script will be executed.
<b>* stopVerb</b> : STRING = Stop	Verb that is used to prefix the description for the stop step.
<b>discoverScript</b> : STRING	Script invoked to discover and inspect deployments of this type.
<b>libraryScripts</b> : LIST_OF_STRING	List of scripts to append to the the step script.
<b>modifyScript</b> : STRING	PowerShell script invoked to modify a resource (or an artifact) on Windows.
<b>noopScript</b> : STRING	PowerShell script invoked to noop a resource or an artifact on Windows.
<b>startScript</b> : STRING	PowerShell script invoked to start a resource of an artifact on Windows.
<b>stopScript</b> : STRING	PowerShell script invoked to stop a resource or an artifact on Windows.

**stopStartOnNoop** : **BOOLEAN** = false

If set to true, the stop and start scripts will be executed even if this deployable was not changed.

## windows.ShareSpec

**Type Hierarchy** powershell.BasePowerShellDeployable >> udm.BaseDeployable >> udm.BaseConfigurationItem

**Interfaces** udm.Taggable, udm.Deployable, udm.ConfigurationItem

Specification of a Windows share

### Public Properties

**shareName** : **STRING**

Name of the share. Defaults to the name of the deployed if not specified (string)

**tags** : **SET\_OF\_STRING**

If set, this deployable will only be mapped automatically to containers with the same tag.

**targetPath** : **STRING**

Target path of the share (string)