

# Deployit File Plugin Manual

Version 3.9.0-alpha-1

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## Preface

This document describes the functionality provided by the File Plugin.

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

## Overview

In many cases, an application depends on external resources for its configuration. The application accesses these resources from a predefined location or using a predefined mechanism. In the simplest of forms, a resource can be described as a file, an archive or a folder (collection of files). The File Plugin enables the definition of such resources in a deployment package and subsequently managing them on a target host. The resources can contain placeholders that the plugin will replace when targeting to the specific host, thus allowing resources to be defined independent of their environment.

## Features

- Deploy, upgrade, and undeploy of a file based resource on a [Host](#).
  - [File](#)
  - [Folder](#)
  - [Archive](#)

## Requirements

This plugin requires:

- **Deployit:** version 3.5+

## Usage in Deployment Packages

Please refer to *Packaging Manual* for more details about the DAR packaging format.

Sample DAR MANIFEST.MF entries defining a file, folder and archive resource

```
Manifest-Version: 1.0
Deployit-Package-Format-Version: 1.3
CI-Application: FilePluginSample
CI-Version: 1.0

Name: sampleFile.txt
CI-Name: sampleFile
CI-Type: file.File

Name: sampleArchive.zip
CI-Name: sampleArchive
CI-Type: file.Archive

Name: sampleFolder
CI-Name: sampleFolder
CI-Type: file.Folder
```

## Using the deployables and deployed

### Deployable vs. Container Table

The following table describes which deployable / container combinations are possible. Note that the CIs can only be targeted to containers derived from [Host](#).

Deployables	Containers	Generated Deployed
file.File file.Archive	overthere.Host	file.DeployedFile file.DeployedArchive
file.Folder	overthere.Host	file.DeployedFolder

### Deployed Actions Table

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

Deployed	Create	Destroy	Modify
file.DeployedFile file.DeployedArchive	<ul style="list-style-type: none"> <li>• Create target path on host, if needed</li> </ul>	<ul style="list-style-type: none"> <li>• Delete file from host</li> </ul>	<ul style="list-style-type: none"> <li>• Delete old file from host</li> <li>• Copy modified file to target path on host</li> </ul>

	<ul style="list-style-type: none"> <li>Copy file to target path on host</li> </ul>		
file.DeployedFolder	<ul style="list-style-type: none"> <li>Create target folder on host, if needed</li> <li>Copy folder content to target folder on host</li> </ul>	<ul style="list-style-type: none"> <li>Delete folder content from host</li> <li>If folder is not a shared folder, the folder itself is deleted from host</li> </ul>	<ul style="list-style-type: none"> <li>Perform actions as described by <i>Destroy</i> for old folder</li> <li>Perform actions as described by <i>Create</i> for modified folder</li> </ul>

## CI Reference

### Configuration Item Overview

#### Deployables

CI	Description
file.Archive	An archive (zip, jar, tar, etc) artifact that can be packaged in a Deployment Package
file.File	A single file artifact that can be packaged in a Deployment Package
file.Folder	A folder artifact that can be packaged in a Deployment Package

#### Deployeds

CI	Description
file.DeployedArchive	The archive as deployed on the Host
file.DeployedArtifactOnHost	Abstract deployed that can target any DeployableArtifact to a Host
file.DeployedFile	The file as deployed on the Host
file.DeployedFolder	The folder as deployed on the Host

#### Containers

CI	Description
overthere.CifsHost	Machine that can be connected to using either WinRM or Telnet and can perform file manipulation via the CIFS protocol
overthere.Host	Machine that runs middleware, on which scripts can be executed, etc
overthere.Jumpstation	Base class for jumpstations
overthere.LocalHost	Machine on which the Deployit Server is running
overthere.RemoteHost	Description unavailable
overthere.SshHost	Machine that can be connected to using SSH
overthere.SshJumpstation	Machine that can be used to create a tunneled connection to a destination host

#### Other Configuration Items

CI	Description
file.Archive	An archive (zip, jar, tar, etc) artifact that can be packaged in a Deployment Package
file.DeployedArchive	The archive as deployed on the Host
file.DeployedArtifactOnHost	Abstract deployed that can target any DeployableArtifact to a Host
file.DeployedFile	The file as deployed on the Host
file.DeployedFolder	The folder as deployed on the Host
file.File	A single file artifact that can be packaged in a Deployment Package
file.Folder	A folder artifact that can be packaged in a Deployment Package
overthere.CifsHost	Machine that can be connected to using either WinRM or Telnet and can perform file manipulation via the CIFS protocol
overthere.Host	Machine that runs middleware, on which scripts can be executed, etc
overthere.Jumpstation	Base class for jumpstations
overthere.LocalHost	Machine on which the Deployit Server is running
overthere.RemoteHost	Description unavailable
overthere.SshHost	Machine that can be connected to using SSH
overthere.SshJumpstation	Machine that can be used to create a tunneled connection to a destination host

### Configuration Item Details

## file.Archive

<b>Type Hierarchy</b>	udm.BaseDeployableArchiveArtifact >> udm.BaseDeployableFileArtifact >> udm.BaseDeployableArtifact >> udm.BaseDeployable >> udm.BaseConfigurationItem
<b>Interfaces</b>	udm.Taggable, udm.Deployable, udm.SourceArtifact, udm.ArchiveArtifact, udm.Artifact, udm.DeployableArtifact, udm.ConfigurationItem, udm.FileArtifact

An archive (zip, jar, tar, etc) artifact that can be packaged in a Deployment Package

Public Properties	
<b>createTargetPath</b> : <b>STRING</b>	Create the targetPath on the host if it does not exist.
<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> = false	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.
<b>targetFileName</b> : <b>STRING</b>	Name of the artifact on the host.
<b>targetPath</b> : <b>STRING</b>	Path to which artifact must be copied to when being deployed.
<b>targetPathShared</b> : <b>STRING</b>	Is the targetPath shared by others on the host. When true, the targetPath is not deleted during undeployment; only the artifacts copied to it.
Hidden Properties	
<b>* textFileNamesRegex</b> : <b>STRING</b> = .+\. (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

## file.DeployedArchive

<b>Type Hierarchy</b>	file.DeployedArtifactOnHost >> udm.BaseDeployedArtifact >> udm.BaseDeployed >> udm.BaseConfigurationItem
<b>Interfaces</b>	udm.Artifact, udm.Deployed, udm.ConfigurationItem, udm.DerivedArtifact, udm.EmbeddedDeployedParent

The archive as deployed on the Host.

Parent	
<b>* container</b> : <b>CI</b> <udm.Container>	The container on which this deployed runs.
Public Properties	
<b>* targetPath</b> : <b>STRING</b>	Path to which artifact must be copied to on the host.
<b>createTargetPath</b> : <b>BOOLEAN</b> = false	Create the targetPath on the host if it does not exist.
<b>deployable</b> : <b>CI</b> <udm.Deployable>	The deployable that this deployed is derived from.
<b>placeholders</b> : <b>MAP_STRING_STRING</b>	A Map containing all the placeholders mapped to their values. Special values are <ignore> or <empty>
<b>targetFileName</b> : <b>STRING</b>	Name of the artifact on the host.
<b>targetPathShared</b> : <b>BOOLEAN</b> = true	Is the targetPath shared by others on the host. When true, the targetPath is not deleted during undeployment; only the artifacts copied to it.

## file.DeployedArtifactOnHost

**Virtual Type**

**Type Hierarchy** `udm.BaseDeployedArtifact >> udm.BaseDeployed >> udm.BaseConfigurationItem`

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

Abstract deployed that can target any DeployableArtifact to a Host.

Parent	
<b>* container</b> : <code>CI&lt;udm.Container&gt;</code>	The container on which this deployed runs.
Public Properties	
<b>* targetPath</b> : <code>STRING</code>	Path to which artifact must be copied to on the host.
<b>createTargetPath</b> : <code>BOOLEAN = false</code>	Create the targetPath on the host if it does not exist.
<b>deployable</b> : <code>CI&lt;udm.Deployable&gt;</code>	The deployable that this deployed is derived from.
<b>placeholders</b> : <code>MAP_STRING_STRING</code>	A Map containing all the placeholders mapped to their values. Special values are <ignore> or <empty>
<b>targetFileName</b> : <code>STRING</code>	Name of the artifact on the host.
<b>targetPathShared</b> : <code>BOOLEAN = true</code>	Is the targetPath shared by others on the host. When true, the targetPath is not deleted during undeployment; only the artifacts copied to it.

**file.DeployedFile**

**Type Hierarchy** `file.DeployedArtifactOnHost >> udm.BaseDeployedArtifact >> udm.BaseDeployed >> udm.BaseConfigurationItem`

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

The file as deployed on the Host.

Parent	
<b>* container</b> : <code>CI&lt;udm.Container&gt;</code>	The container on which this deployed runs.
Public Properties	
<b>* targetPath</b> : <code>STRING</code>	Path to which artifact must be copied to on the host.
<b>createTargetPath</b> : <code>BOOLEAN = false</code>	Create the targetPath on the host if it does not exist.
<b>deployable</b> : <code>CI&lt;udm.Deployable&gt;</code>	The deployable that this deployed is derived from.
<b>placeholders</b> : <code>MAP_STRING_STRING</code>	A Map containing all the placeholders mapped to their values. Special values are <ignore> or <empty>
<b>targetFileName</b> : <code>STRING</code>	Name of the artifact on the host.
<b>targetPathShared</b> : <code>BOOLEAN = true</code>	Is the targetPath shared by others on the host. When true, the targetPath is not deleted during undeployment; only the artifacts copied to it.

**file.DeployedFolder**

**Type Hierarchy** `file.DeployedArtifactOnHost >> udm.BaseDeployedArtifact >> udm.BaseDeployed >> udm.BaseConfigurationItem`

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

The folder as deployed on the Host.

Parent	
<b>* container</b> : <code>CI&lt;udm.Container&gt;</code>	The container on which this deployed runs.

Public Properties	
<b>* targetPath</b> : <b>STRING</b>	Path to which artifact must be copied to on the host.
<b>createTargetPath</b> : <b>BOOLEAN</b> = <b>false</b>	Create the targetPath on the host if it does not exist.
<b>deployable</b> : <b>CI&lt;udm.Deployable&gt;</b>	The deployable that this deployed is derived from.
<b>placeholders</b> : <b>MAP_STRING_STRING</b>	A Map containing all the placeholders mapped to their values. Special values are <ignore> or <empty>
<b>targetPathShared</b> : <b>BOOLEAN</b> = <b>true</b>	Is the targetPath shared by others on the host. When true, the targetPath is not deleted during undeployment; only the artifacts copied to it.
Hidden Properties	
<b>targetFileName</b> : <b>STRING</b>	Not applicable for this type.

## file.File

<b>Type Hierarchy</b>	udm.BaseDeployableFileArtifact >> udm.BaseDeployableArtifact >> udm.BaseDeployable >> udm.BaseConfigurationItem
<b>Interfaces</b>	udm.Taggable, udm.Deployable, udm.SourceArtifact, udm.Artifact, udm.DeployableArtifact, udm.ConfigurationItem, udm.FileArtifact

A single file artifact that can be packaged in a Deployment Package

Public Properties	
<b>createTargetPath</b> : <b>STRING</b>	Create the targetPath on the host if it does not exist.
<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.
<b>targetFileName</b> : <b>STRING</b>	Name of the artifact on the host.
<b>targetPath</b> : <b>STRING</b>	Path to which artifact must be copied to when being deployed.
<b>targetPathShared</b> : <b>STRING</b>	Is the targetPath shared by others on the host. When true, the targetPath is not deleted during undeployment; only the artifacts copied to it.
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

## file.Folder

<b>Type Hierarchy</b>	udm.BaseDeployableFolderArtifact >> udm.BaseDeployableArtifact >> udm.BaseDeployable >> udm.BaseConfigurationItem
<b>Interfaces</b>	udm.Taggable, udm.Deployable, udm.SourceArtifact, udm.Artifact, udm.DeployableArtifact, udm.ConfigurationItem, udm.FolderArtifact

A folder artifact that can be packaged in a Deployment Package

Public Properties	
<b>createTargetPath</b> : <b>STRING</b>	Create the targetPath on the host if it does not exist.
<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.
<b>targetFileName</b> : <b>STRING</b>	Name of the artifact on the host.
<b>targetPath</b> : <b>STRING</b>	Path to which artifact must be copied to when being deployed.
<b>targetPathShared</b> : <b>STRING</b>	Is the targetPath shared by others on the host. When true, the targetPath is not deleted during undeployment; only the artifacts copied to it.
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

## overthere.CifsHost

**Type Hierarchy** [overthere.RemoteHost](#) >> [overthere.Host](#) >> [udm.BaseContainer](#) >> [udm.BaseConfigurationItem](#)

**Interfaces** [udm.Taggable](#), [udm.ConfigurationItem](#), [udm.Container](#), [overthere.HostContainer](#)

Machine that can be connected to using either WinRM or Telnet and can perform file manipulation via the CIFS protocol

Public Properties	
* <b>address</b> : <b>STRING</b>	Address of the host
* <b>connectionType</b> : <b>ENUM</b> [ <b>TELNET</b> , <b>WINRM</b> , <b>WINRM_HTTP</b> , <b>WINRM_HTTPS</b> ] = <b>WINRM</b>	Connection Type
* <b>os</b> : <b>ENUM</b> [ <b>WINDOWS</b> , <b>UNIX</b> ]	Operating system
* <b>password</b> : <b>STRING</b>	Password to use for authentication
* <b>username</b> : <b>STRING</b>	Username to connect with
<b>cifsPort</b> : <b>INTEGER</b> = <b>445</b>	Port on which the CIFS server runs
<b>jumpstation</b> : <b>CI</b> < <a href="#">overthere.Jumpstation</a> >	Jumpstation that should be used to reach this host
<b>pathShareMappings</b> : <b>MAP_STRING_STRING</b>	Mapping from Windows paths to Windows share names, e.g. C:\IBM\WebSphere -> WebSphereShare
<b>port</b> : <b>INTEGER</b>	Port on which the Telnet or WinRM server runs
<b>tags</b> : <b>SET_OF_STRING</b>	If set, only deployables with the same tag will be automatically mapped to this container.
<b>temporaryDirectoryPath</b> : <b>STRING</b>	Directory into which temporary files are stored. Will be cleaned up when the connection is closed.
<b>winrmEnableHttps</b> : <b>BOOLEAN</b> = <b>false</b>	Enable SSL communication to the WinRM server



Hidden Properties		
* <b>connectionTimeoutMillis</b> : <b>INTEGER</b> = 1200000	Number of milliseconds Overthere waits for a connection to a remote host to be established	
* <b>protocol</b> : <b>STRING</b> = cifs	Protocol	
* <b>tmpFileCreationRetries</b> : <b>INTEGER</b> = 1000	Number of times Overthere attempts to create a temporary file with a unique name	
* <b>winrmContext</b> : <b>STRING</b> = /wsman	Context used by the WinRM server	
* <b>winrmEnvelopSize</b> : <b>INTEGER</b> = 153600	Envelop size for WinRM messages	
* <b>winrmHttpsCertificateTrustStrategy</b> : <b>ENUM</b> [STRICT, SELF_SIGNED, ALLOW_ALL] = STRICT	HTTPS certifiacte trust strategy for WinRM over HTTPS	
* <b>winrmHttpsHostnameVerificationStrategy</b> : <b>ENUM</b> [STRICT, BROWSER_COMPATIBLE, ALLOW_ALL] = STRICT	HTTPS host name verification strategy for WinRM over HTTPS	
* <b>winrmLocale</b> : <b>STRING</b> = en-US	Locale to use for WinRM messages	
* <b>winrmTimeout</b> : <b>STRING</b> = PT60.000S	Timeout to use for WinRM messages in XML schema duration format	
<b>tmpDeleteOnDisconnect</b> : <b>BOOLEAN</b> = true	Whether to delete the temporary connection directory when the connection is closed	
<b>winrmKerberosAddPortToSpn</b> : <b>BOOLEAN</b> = false	Add the port number (e.g. 5985) to the service principal name (SPN) for which a Kerberos ticket is requested	
<b>winrmKerberosDebug</b> : <b>BOOLEAN</b> = false	Enable Kerberos debug messages	
<b>winrmKerberosUseHttpSpn</b> : <b>BOOLEAN</b> = false	Use the HTTP protocol in the service principal name (SPN) for which a Kerberos ticket is requested, instead of the default WSMAN protocol	
Control Tasks		
<b>checkConnection</b>	Check connection	

## overthere.Host

### Virtual Type

**Type Hierarchy** udm.BaseContainer >> udm.BaseConfigurationItem

**Interfaces** udm.Taggable, udm.ConfigurationItem, udm.Container, overthere.HostContainer

Machine that runs middleware, on which scripts can be executed, etc.

Public Properties		
* <b>os</b> : <b>ENUM</b> [WINDOWS, UNIX]	Operating system	
<b>tags</b> : <b>SET_OF_STRING</b>	If set, only deployables with the same tag will be automatically mapped to this container.	
<b>temporaryDirectoryPath</b> : <b>STRING</b>	Directory into which temporary files are stored. Will be cleaned up when the connection is closed.	
Hidden Properties		
* <b>protocol</b> : <b>STRING</b>	Protocol to use when connecting to this host	
* <b>tmpFileCreationRetries</b> : <b>INTEGER</b> = 1000	Number of times Overthere attempts to create a temporary file with a unique name	
<b>tmpDeleteOnDisconnect</b> : <b>BOOLEAN</b> = true	Whether to delete the temporary connection directory when the connection is closed	
Control Tasks		
<b>checkConnection</b>	Check connection	

**overthere.Jumpstation****Virtual Type**

**Type Hierarchy** [overthere.RemoteHost](#) >> [overthere.Host](#) >> [udm.BaseContainer](#) >> [udm.BaseConfigurationItem](#)

**Interfaces** [udm.Taggable](#), [udm.ConfigurationItem](#), [udm.Container](#), [overthere.HostContainer](#)

Base class for jumpstations

Public Properties	
<b>jumpstation</b> : <a href="#">CI</a> < <a href="#">overthere.Jumpstation</a> >	Jumpstation that should be used to reach this host
<b>tags</b> : <a href="#">SET_OF_STRING</a>	If set, only deployables with the same tag will be automatically mapped to this container.
Hidden Properties	
* <b>connectionTimeoutMillis</b> : <a href="#">INTEGER</a> = 1200000	Number of milliseconds Overthere waits for a connection to a remote host to be established
* <b>os</b> : <a href="#">ENUM</a> [ <a href="#">WINDOWS</a> , <a href="#">UNIX</a> ] = <a href="#">UNIX</a>	Os
* <b>protocol</b> : <a href="#">STRING</a>	Protocol to use when connecting to this host
* <b>tmpFileCreationRetries</b> : <a href="#">INTEGER</a> = 1000	Number of times Overthere attempts to create a temporary file with a unique name
<b>temporaryDirectoryPath</b> : <a href="#">STRING</a>	The default platform value (/tmp) suffices as no temporary files will be placed on the jumpstation
<b>tmpDeleteOnDisconnect</b> : <a href="#">BOOLEAN</a> = <a href="#">true</a>	Whether to delete the temporary connection directory when the connection is closed
Control Tasks	
<b>checkConnection</b>	Check connection

**overthere.LocalHost**

**Type Hierarchy** [overthere.Host](#) >> [udm.BaseContainer](#) >> [udm.BaseConfigurationItem](#)

**Interfaces** [udm.Taggable](#), [udm.ConfigurationItem](#), [udm.Container](#), [overthere.HostContainer](#)

Machine on which the Deployit Server is running

Public Properties	
* <b>os</b> : <a href="#">ENUM</a> [ <a href="#">WINDOWS</a> , <a href="#">UNIX</a> ]	Operating system
<b>tags</b> : <a href="#">SET_OF_STRING</a>	If set, only deployables with the same tag will be automatically mapped to this container.
<b>temporaryDirectoryPath</b> : <a href="#">STRING</a>	Directory into which temporary files are stored. Will be cleaned up when the connection is closed.
Hidden Properties	
* <b>protocol</b> : <a href="#">STRING</a> = <a href="#">local</a>	Protocol
* <b>tmpFileCreationRetries</b> : <a href="#">INTEGER</a> = 1000	Number of times Overthere attempts to create a temporary file with a unique name
<b>tmpDeleteOnDisconnect</b> : <a href="#">BOOLEAN</a> = <a href="#">true</a>	Whether to delete the temporary connection directory when the connection is closed
Control Tasks	
<b>checkConnection</b>	Check connection

**overthere.RemoteHost**

**Virtual Type****Type Hierarchy** [overthere.Host](#) >> udm.BaseContainer >> udm.BaseConfigurationItem**Interfaces** udm.Taggable, udm.ConfigurationItem, udm.Container, overthere.HostContainer

Description unavailable

Public Properties	
<b>* os</b> : <b>ENUM</b> [WINDOWS, UNIX]	Operating system
<b>jumpstation</b> : <b>CI</b> < <a href="#">overthere.Jumpstation</a> >	Jumpstation that should be used to reach this host
<b>tags</b> : <b>SET_OF_STRING</b>	If set, only deployables with the same tag will be automatically mapped to this container.
<b>temporaryDirectoryPath</b> : <b>STRING</b>	Directory into which temporary files are stored. Will be cleaned up when the connection is closed.
Hidden Properties	
<b>* connectionTimeoutMillis</b> : <b>INTEGER</b> = 1200000	Number of milliseconds Overthere waits for a connection to a remote host to be established
<b>* protocol</b> : <b>STRING</b>	Protocol to use when connecting to this host
<b>* tmpFileCreationRetries</b> : <b>INTEGER</b> = 1000	Number of times Overthere attempts to create a temporary file with a unique name
<b>tmpDeleteOnDisconnect</b> : <b>BOOLEAN</b> = true	Whether to delete the temporary connection directory when the connection is closed
Control Tasks	
<b>checkConnection</b>	Check connection

**overthere.SshHost****Type Hierarchy** [overthere.RemoteHost](#) >> [overthere.Host](#) >> udm.BaseContainer >> udm.BaseConfigurationItem**Interfaces** udm.Taggable, udm.ConfigurationItem, udm.Container, overthere.HostContainer

Machine that can be connected to using SSH

Public Properties	
<b>* address</b> : <b>STRING</b>	Address of the host
<b>* connectionType</b> : <b>ENUM</b> [SFTP, SFTP_CYGWIN, SFTP_WINSSHD, SCP, SUDO, INTERACTIVE_SUDO, TUNNEL] = SFTP	Type of SSH connection to create
<b>* os</b> : <b>ENUM</b> [WINDOWS, UNIX]	Operating system
<b>* port</b> : <b>INTEGER</b> = 22	Port on which the SSH server runs
<b>* username</b> : <b>STRING</b>	Username to connect with
<b>jumpstation</b> : <b>CI&lt;overthere.Jumpstation &gt;</b>	Jumpstation that should be used to reach this host
<b>passphrase</b> : <b>STRING</b>	Optional passphrase for the private key in the private key file
<b>password</b> : <b>STRING</b>	Password to use for authentication
<b>privateKeyFile</b> : <b>STRING</b>	Private key file to use for authentication
<b>sudoUsername</b> : <b>STRING</b>	Username to sudo to when accessing files or executing commands
<b>tags</b> : <b>SET_OF_STRING</b>	If set, only deployables with the same tag will be automatically mapped to this container.
<b>temporaryDirectoryPath</b> : <b>STRING</b>	Directory into which temporary files are stored. Will be cleaned up when the connection is closed.
Hidden Properties	
<b>* connectionTimeoutMillis</b> : <b>INTEGER</b> = 1200000	Number of milliseconds Overthere waits for a connection to a remote host to be established
<b>* interactiveKeyboardAuthRegex</b> : <b>STRING</b> = <b>.*Password:[ ]?</b>	Regular expression to look for in keyboard-interactive authentication before sending the password
<b>* protocol</b> : <b>STRING</b> = <b>ssh</b>	Protocol
<b>* sudoCommandPrefix</b> : <b>STRING</b> = <b>sudo -u {0}</b>	Sudo command to prefix to the original command. The placeholder {0} is replaced with the sudoUsername
<b>* sudoPasswordPromptRegex</b> : <b>STRING</b> = <b>.*[Pp]assword.*:</b>	Regular expression to look for in interactive sudo before sending the password
<b>* tmpFileCreationRetries</b> : <b>INTEGER</b> = 1000	Number of times Overthere attempts to create a temporary file with a unique name
<b>allocateDefaultPty</b> : <b>BOOLEAN</b> = <b>false</b>	If true, a default PTY (dummy:80:24:0:0) is allocated when executing a command
<b>allocatePty</b> : <b>STRING</b>	Specification for the PTY to be allocated when executing a command. The format is TERM:COLS:ROWS:WIDTH:HEIGHT, e.g. xterm:80:24:0:0
<b>sudoOverrideUmask</b> : <b>BOOLEAN</b> = <b>true</b>	If true, permissions are explicitly changed with chmod -R go+rX after uploading a file or directory
<b>sudoPreserveAttributesOnCopyFromTempFile</b> : <b>BOOLEAN</b> = <b>true</b>	If true, files are copied from the connection temporary directory using the -p flag to the cp command
<b>sudoPreserveAttributesOnCopyToTempFile</b> : <b>BOOLEAN</b> = <b>true</b>	If true, files are copied to the connection temporary directory using the -p flag to the cp command
<b>sudoQuoteCommand</b> : <b>BOOLEAN</b> = <b>false</b>	If true, the original command is quoted when it is prefixed with sudoCommandPrefix
<b>tmpDeleteOnDisconnect</b> : <b>BOOLEAN</b> = <b>true</b>	Whether to delete the temporary connection directory when the connection is closed

Control Tasks	
<b>checkConnection</b>	Check connection

## overthere.SshJumpstation

**Type Hierarchy** [overthere.Jumpstation](#) >> [overthere.RemoteHost](#) >> [overthere.Host](#) >>  
 udm.BaseContainer >> udm.BaseConfigurationItem

**Interfaces** udm.Taggable, udm.ConfigurationItem, udm.Container, overthere.HostContainer

Machine that can be used to create a tunneled connection to a destination host

Public Properties
* <b>address</b> : <a href="#">STRING</a> Address of the host
* <b>port</b> : <a href="#">INTEGER</a> = 22 Port on which the SSH server runs
* <b>username</b> : <a href="#">STRING</a> Username to connect with
<b>jumpstation</b> : <a href="#">CI&lt;overthere.Jumpstation &gt;</a> Jumpstation that should be used to reach this host
<b>passphrase</b> : <a href="#">STRING</a> Optional passphrase for the private key in the private key file
<b>password</b> : <a href="#">STRING</a> Password to use for authentication
<b>privateKeyFile</b> : <a href="#">STRING</a> Private key file to use for authentication
<b>tags</b> : <a href="#">SET_OF_STRING</a> If set, only deployables with the same tag will be automatically mapped to this container.
Hidden Properties
* <b>connectionTimeoutMillis</b> : <a href="#">INTEGER</a> = 1200000 Number of milliseconds Overthere waits for a connection to a remote host to be established
* <b>connectionType</b> : <a href="#">ENUM [SFTP, SFTP_CYGWIN, SFTP_WINSSHD, SCP, SUDO, INTERACTIVE_SUDO, TUNNEL]</a> = TUNNEL Connection Type
* <b>interactiveKeyboardAuthRegex</b> : <a href="#">STRING</a> = .*Password:[ ]? Regular expression to look for in keyboard-interactive authentication before sending the password
* <b>os</b> : <a href="#">ENUM [WINDOWS, UNIX]</a> = UNIX Os
* <b>portAllocationRangeStart</b> : <a href="#">INTEGER</a> = 1025 Port from where to start looking for freely available ports to use as the local part of an SSH port forward
* <b>protocol</b> : <a href="#">STRING</a> = ssh Protocol
* <b>tmpFileCreationRetries</b> : <a href="#">INTEGER</a> = 1000 Number of times Overthere attempts to create a temporary file with a unique name
<b>temporaryDirectoryPath</b> : <a href="#">STRING</a> The default platform value (/tmp) suffices as no temporary files will be placed on the jumpstation
<b>tmpDeleteOnDisconnect</b> : <a href="#">BOOLEAN</a> = true Whether to delete the temporary connection directory when the connection is closed
Control Tasks
<b>checkConnection</b>