

# Deployit UDM CI Reference

Version 3.9.0

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## CI Reference

### Configuration Item Overview

#### Deployables

| CI  | Description                              |
|---|--|
| <a href="#">udm.BaseDeployable</a>                | The supertype of all Deployables         |
| <a href="#">udm.BaseDeployableArchiveArtifact</a> | An archive artifact that can be deployed |
| <a href="#">udm.BaseDeployableArtifact</a>        | The supertype of all DeployableArtifacts |
| <a href="#">udm.BaseDeployableFileArtifact</a>    | A file artifact that can be deployed     |
| <a href="#">udm.BaseDeployableFolderArtifact</a>  | A folder artifact that can be deployed   |

#### Deployeds

| CI                                       | Description                            |
|--|--|
| <a href="#">udm.BaseDeployed</a>         | The supertype of all Deployeds         |
| <a href="#">udm.BaseDeployedArtifact</a> | The supertype of all DeployedArtifacts |

#### Containers

| CI                                | Description                     |
|-----------------------------------|---------------------------------|
| <a href="#">udm.BaseContainer</a> | The supertype of all Containers |

#### Other Configuration Items

| CI  | Description  |
|---|--|
| <a href="#">udm.Application</a>                   | An application   |
| <a href="#">udm.BaseConfigurationItem</a>         | Default implementation of a CI that provides ID, name and type information                           |
| <a href="#">udm.BaseContainer</a>                 | The supertype of all Containers  |
| <a href="#">udm.BaseDeployable</a>                | The supertype of all Deployables   |
| <a href="#">udm.BaseDeployableArchiveArtifact</a> | An archive artifact that can be deployed   |
| <a href="#">udm.BaseDeployableArtifact</a>        | The supertype of all DeployableArtifacts   |
| <a href="#">udm.BaseDeployableFileArtifact</a>    | A file artifact that can be deployed   |
| <a href="#">udm.BaseDeployableFolderArtifact</a>  | A folder artifact that can be deployed   |
| <a href="#">udm.BaseDeployed</a>                  | The supertype of all Deployeds   |
| <a href="#">udm.BaseDeployedArtifact</a>          | The supertype of all DeployedArtifacts   |
| <a href="#">udm.BaseEmbeddedDeployable</a>        | Description unavailable  |
| <a href="#">udm.BaseEmbeddedDeployed</a>          | Description unavailable  |
| <a href="#">udm.CompositePackage</a>              | A container of DeploymentPackages that is a DeploymentPackage itself                                 |
| <a href="#">udm.Configuration</a>                 | Contains deployment configuration information  |
| <a href="#">udm.DeployedApplication</a>           | A deployment of an application package or a deployable artifact to a middleware CI or an environment |
| <a href="#">udm.DeploymentPackage</a>             | A package of a certain version of an application   |
| <a href="#">udm.Dictionary</a>                    | A Dictionary contains key-value pairs that can be replaced   |
| <a href="#">udm.EncryptedDictionary</a>           | An EncryptedDictionary contains keys and encrypted values that can be replaced                       |
| <a href="#">udm.Environment</a>                   | Groups infrastructure CIs and dictionaries and serves as a target for deployment                     |
| <a href="#">udm.Parameters</a>                    | Default implementation of a CI that provides ID, name and type information                           |
| <a href="#">udm.Version</a>                       | A version of an application  |

### Configuration Item Details

#### udm.Application

**Type Hierarchy** [udm.BaseConfigurationItem](#)

**Interfaces** [udm.ConfigurationItem](#)

An application. Each version of the application is a separate package.

#### udm.BaseConfigurationItem

Default implementation of a CI that provides ID, name and type information.

## udm.BaseContainer

### Virtual Type

**Type Hierarchy** [udm.BaseConfigurationItem](#)

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

The supertype of all Containers.

### Public Properties

**tags** : [SET\\_OF\\_STRING](#)

If set, only deployables with the same tag will be automatically mapped to this container.

## udm.BaseDeployable

### Virtual Type

**Type Hierarchy** [udm.BaseConfigurationItem](#)

**Interfaces** [udm.Taggable](#), [udm.Deployable](#), [udm.ConfigurationItem](#)

The supertype of all Deployables.

### Public Properties

**tags** : [SET\\_OF\\_STRING](#)

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

## udm.BaseDeployableArchiveArtifact

### Virtual Type

**Type Hierarchy** [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](#)

An archive artifact that can be deployed

### 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](#) = false

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

## udm.BaseDeployableArtifact

### Virtual Type

**Type Hierarchy** [udm.BaseDeployable](#) >> [udm.BaseConfigurationItem](#)

**Interfaces** [udm.Taggable](#), [udm.Deployable](#), [udm.SourceArtifact](#), [udm.Artifact](#), [udm.DeployableArtifact](#), [udm.ConfigurationItem](#)

The supertype of all DeployableArtifacts.

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

## udm.BaseDeployableFileArtifact

### Virtual Type

**Type Hierarchy** [udm.BaseDeployableArtifact](#) >> [udm.BaseDeployable](#) >> [udm.BaseConfigurationItem](#)

**Interfaces** [udm.Taggable](#), [udm.Deployable](#), [udm.SourceArtifact](#), [udm.Artifact](#), [udm.DeployableArtifact](#), [udm.ConfigurationItem](#), [udm.FileArtifact](#)

A file artifact that can be deployed

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

## udm.BaseDeployableFolderArtifact

### Virtual Type

**Type Hierarchy** [udm.BaseDeployableArtifact](#) >> [udm.BaseDeployable](#) >> [udm.BaseConfigurationItem](#)

**Interfaces** [udm.Taggable](#), [udm.Deployable](#), [udm.SourceArtifact](#), [udm.Artifact](#), [udm.DeployableArtifact](#), [udm.ConfigurationItem](#), [udm.FolderArtifact](#)

A folder artifact that can be deployed

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

## udm.BaseDeployed

### Virtual Type

**Type Hierarchy** [udm.BaseConfigurationItem](#)

**Interfaces** [udm.EmbeddedDeployedContainer](#), [udm.Deployed](#), [udm.ConfigurationItem](#)

The supertype of all Deployeds.

| Parent   |
|--|
| <b>* container</b> : <b>CI</b> < <a href="#">udm.Container</a> ><br>The container on which this deployed runs.         |
| Public Properties  |
| <b>deployable</b> : <b>CI</b> < <a href="#">udm.Deployable</a> ><br>The deployable that this deployed is derived from. |

## udm.BaseDeployedArtifact

### Virtual Type

**Type Hierarchy** [udm.BaseDeployed](#) >> [udm.BaseConfigurationItem](#)

**Interfaces** [udm.EmbeddedDeployedContainer](#), [udm.Artifact](#), [udm.Deployed](#), [udm.ConfigurationItem](#), [udm.DerivedArtifact](#)

The supertype of all DeployedArtifacts.

| Parent   |
|--|
| <b>* container</b> : <b>CI</b> < <a href="#">udm.Container</a> ><br>The container on which this deployed runs.   |
| Public Properties  |
| <b>deployable</b> : <b>CI</b> < <a href="#">udm.Deployable</a> ><br>The deployable that this deployed is derived from.                                 |
| <b>placeholders</b> : <b>MAP_STRING_STRING</b><br>A Map containing all the placeholders mapped to their values. Special values are <ignore> or <empty> |

## udm.BaseEmbeddedDeployable

### Virtual Type

**Type Hierarchy** [udm.BaseConfigurationItem](#)

**Interfaces** [udm.ConfigurationItem](#), [udm.EmbeddedDeployable](#)

Description unavailable

## udm.BaseEmbeddedDeployed

### Virtual Type

**Type Hierarchy** [udm.BaseConfigurationItem](#)

**Interfaces** [udm.EmbeddedDeployedContainer](#), [udm.ConfigurationItem](#), [udm.EmbeddedDeployed](#)

Description unavailable

| Parent   |
|--|
| <b>* container</b> : <a href="#">CI&lt;udm.EmbeddedDeployedContainer&gt;</a><br>The (embedded) deployed which contains this embedded deployed. |
| Public Properties  |
| <b>deployable</b> : <a href="#">CI&lt;udm.EmbeddedDeployable&gt;</a><br>The embedded deployable that this embedded deployed is derived from.   |

## udm.CompositePackage

**Type Hierarchy** [udm.Version](#) >> [udm.BaseConfigurationItem](#)

**Interfaces** [udm.ConfigurationItem](#)

A container of DeploymentPackages that is a DeploymentPackage itself.

| Parent   |
|--|
| <b>* application</b> : <a href="#">CI&lt;udm.Application &gt;</a><br>The application this version belongs to.                  |
| Public Properties  |
| <b>packages</b> : <a href="#">LIST_OF_CI&lt;udm.Version &gt;</a><br>The DeploymentPackages that make up this CompositePackage. |

## udm.Configuration

**Virtual Type**

**Type Hierarchy** [udm.BaseConfigurationItem](#)

**Interfaces** [udm.ConfigurationItem](#)

Contains deployment configuration information

## udm.DeployedApplication

**Type Hierarchy** [udm.BaseConfigurationItem](#)

**Interfaces** [udm.ConfigurationItem](#)

A deployment of an application package or a deployable artifact to a middleware CI or an environment.

| Parent   |
|--|
| <b>* environment</b> : <a href="#">CI&lt;udm.Environment &gt;</a><br>Environment   |
| Public Properties  |
| <b>* deployed</b> : <a href="#">SET_OF_CI&lt;udm.Deployed&gt;</a><br>The deployed items that have been deployed to the environment |
| <b>* orchestrator</b> : <a href="#">STRING = default</a><br>The orchestrator that is used to deploy the application                |
| <b>* version</b> : <a href="#">CI&lt;udm.Version &gt;</a><br>The package that has been deployed to the environment                 |

## udm.DeploymentPackage

**Type Hierarchy** [udm.Version](#) >> [udm.BaseConfigurationItem](#)

**Interfaces** [udm.ConfigurationItem](#)

A package of a certain version of an application. Groups all deployable artifact CIs for an application for a certain version. Is contained by the Application CI.

| Parent   |
|--|
| <b>* application</b> : <a href="#">CI&lt;udm.Application &gt;</a><br>The application this version belongs to.                  |
| Children   |
| <b>* deployables</b> : <a href="#">SET_OF_CI&lt;udm.Deployable&gt;</a><br>The set of deployables that are part of this package |

## udm.Dictionary

**Type Hierarchy** [udm.BaseConfigurationItem](#)  
**Interfaces** [udm.ConfigurationItem](#)

A Dictionary contains key-value pairs that can be replaced

| Public Properties   |
|---|
| <b>entries</b> : <a href="#">MAP_STRING_STRING</a><br>The dictionary entries  |
| <b>restrictToApplications</b> : <a href="#">SET_OF_CI&lt;udm.Application &gt;</a><br>Only apply this dictionary to the applications mentioned |
| <b>restrictToContainers</b> : <a href="#">SET_OF_CI&lt;udm.Container&gt;</a><br>Only apply this dictionary to the containers mentioned        |

## udm.EncryptedDictionary

**Type Hierarchy** [udm.Dictionary](#) >> [udm.BaseConfigurationItem](#)  
**Interfaces** [udm.ConfigurationItem](#)

An EncryptedDictionary contains keys and encrypted values that can be replaced. Values are encrypted when they are stored and decrypted before being used.

| Public Properties   |
|---|
| <b>entries</b> : <a href="#">MAP_STRING_STRING</a><br>The dictionary entries  |
| <b>restrictToApplications</b> : <a href="#">SET_OF_CI&lt;udm.Application &gt;</a><br>Only apply this dictionary to the applications mentioned |
| <b>restrictToContainers</b> : <a href="#">SET_OF_CI&lt;udm.Container&gt;</a><br>Only apply this dictionary to the containers mentioned        |

## udm.Environment

**Type Hierarchy** [udm.BaseConfigurationItem](#)  
**Interfaces** [udm.ConfigurationItem](#)

Groups infrastructure CIs and dictionaries and serves as a target for deployment.

| Public Properties  |
|--|
| <b>dictionaries</b> : <a href="#">LIST_OF_CI&lt;udm.Dictionary &gt;</a><br>The dictionaries providing placeholder values. If the same entry exists in multiple dictionaries, the first one in the list is taken. |
| <b>members</b> : <a href="#">SET_OF_CI&lt;udm.Container&gt;</a><br>The infrastructure components of this Environment   |

## udm.Parameters

**Type Hierarchy** [udm.BaseConfigurationItem](#)  
**Interfaces** [udm.ConfigurationItem](#)

Default implementation of a CI that provides ID, name and type information.

## udm.Version

**Virtual Type**  
**Type Hierarchy** [udm.BaseConfigurationItem](#)  
**Interfaces** [udm.ConfigurationItem](#)

A version of an application .

| Parent  |
|---|
| * <b>application</b> : <a href="#">CI&lt;udm.Application &gt;</a><br>The application this version belongs to. |