

Deployit IIS Plugin Manual

Version 3.9.0

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Preface

This document describes the functionality provided by the Internet Information Services (IIS) plugin.

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

Overview

The IIS plugin is a Deployit plugin that adds the capability to perform IIS deployments and configuration tasks.

Features

- Supports Internet Information Services version 6.0 or higher:
 - IIS 6.0 (Windows Server 2003 R2)
 - IIS 7.0 (Windows Server 2008)
 - IIS 7.5 (Windows Server 2008 R2)
 - IIS 8.0 (Windows Server 2012).
- Deploys and undeploys IIS web content.
- Creates, modifies and destroys IIS configuration elements:
 - websites
 - application pools
 - applications
 - virtual directories
- Stops and starts websites and application pools as necessary.

Upgrading from IIS plugin 3.8.1 or below

If you are upgrading from IIS plugin 3.8.1 or below to IIS plugin 3.9.0 or up, please note that the `port` property on the `iis.Website` and `iis.WebsiteSpec` Cls has been replaced by the `iis.WebsiteBinding` and `iis.WebsiteBindingSpec` [embedded Cl's](#) that are stored underneath respectively the `iis.Website` and `iis.WebsiteBinding` Cls.

The Deployit repository is automatically upgraded the first time you start Deployit after installing IIS plugin 3.9.0. But you'll also need to make sure packages imported into Deployit include the necessary `iis.WebsiteBindingSpec` Cls. See [the section on usage in deployment packages below](#) for an example.

Requirements

- Deployit requirements:
 - Deployit version 3.9.1 or higher.
- Infrastructural requirements:
 - Administrative access to the target Windows machine is required.
 - PowerShell 2.0 must be installed on the target machine.
 - For IIS 7.0 support, the [Windows PowerShell snap-in for IIS 7.0](#) must be installed on the target machine.

Release Notes

3.9.0

- Added support for IIS 6.0 (Windows Server 2003 R2).
- Improvements made/bugs fixed:
 - Changed default of `stopStartOnNoop` on `iis.Website` and `iis.ApplicationPool` to `true`.
 - DEPLOYITPB-4237 - Changed `iis.Website` and `iis6.website` to have multiple bindings instead of just one IP/port/hostHeader combination. This change requires you to update your repository and your packages. See the [section on upgrading from IIS plugin 3.8.1 or below](#) for details.
 - DEPLOYITPB-4367 - Added stop and start steps for application pools.

- DEPLOYITPB-4392 - Create/modify, destroy, stop and start scripts are now idempotent, i.e. they work correctly even if the state of the middleware is not exactly how they expect it to be. Modifying a configuration item now only triggers the create/modify script not the destroy script so that configuration item is modified in place instead of being destroyed first.

3.8.1

- Added support for IIS 7.0 (Windows Server 2008).
- Added support for IIS 8.0 (Windows Server 2012).
- Improvements made/bugs fixed:
 - DEPLOYITPB-3947 - Added manual for IIS plugin.
 - DEPLOYITPB-4234 - Added workaround for bug in PowerShell that causes it to throw a `New-Item : Index was outside the bounds of the array.` error when no websites are available yet.

3.8.0

- First public release to coincide with the release of Deployit 3.8.0.
- Improvements made:
 - Added properties to allow the technical name of a configuration item to be different from the name in Deployit, e.g. `websiteName` on `iis.Website`.

3.7.1

- Fixed bug that caused IIS deployments to be created underneath all PowerShell containers.

3.7.0

- Initial release of IIS plugin for IIS 7.5 (Windows 2008 R2).

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 IIS plugin:

```
<?xml version="1.0" encoding="UTF-8"?>
<udm.DeploymentPackage application="NerdDinner" version="2.0">
  <deployables>
    <iis.WebContent name="NerdDinner-files" file="NerdDinner-files/NerdDinner-Files">
      <targetPath>C:\inetpub\nerddinner</targetPath>
    </iis.WebContent>
    <iis.ApplicationPoolSpec name="NerdDinner-applicationPool">
      <managedRuntimeVersion>v4.0</managedRuntimeVersion>
    </iis.ApplicationPoolSpec>
    <iis.WebsiteSpec name="NerdDinner-website">
      <websiteName>NerdDinner</websiteName>
      <physicalPath>C:\inetpub\nerddinner</physicalPath>
      <applicationPoolName>NerdDinner-applicationPool</applicationPoolName>
      <bindings>
        <iis.WebsiteBindingSpec name="NerdDinner-website/88">
          <port>88</port>
        </iis.WebsiteBindingSpec>
      </bindings>
    </iis.WebsiteSpec>
  </deployables>
</udm.DeploymentPackage>
```

Using the deployables and deployed

Deployable vs. Container table

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

Deployable	Container	Generated deployed
iis.WebContent	iis.Server	iis.PublishedWebContent
iis.ApplicationSpec	iis.Server	iis.Application
iis.ApplicationPoolSpec	iis.Server	iis.ApplicationPool

iis.VirtualDirectorySpec	iis.Server	iis.VirtualDirectory
iis.WebsiteSpec	iis.Server	iis.Website
iis6.ApplicationSpec	iis6.Server	iis6.Application
iis6.ApplicationPoolSpec	iis6.Server	iis6.ApplicationPool
iis6.VirtualDirectorySpec	iis6.Server	iis6.VirtualDirectory
iis6.WebsiteSpec	iis6.Server	iis6.Website

Deployed Actions Table

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

Deployed	Actions performed for operations			
	Create	Destroy	Modify	Noop
iis.PublishedWebContent	54. Copy web content to IIS server	46. Remove web content from IIS server	54. Remove old web content from and copy new web content to IIS server	
iis.Application or iis6.Application	60. Create application	40. Destroy application	60. Modify application	
iis.ApplicationPool or iis6.ApplicationPool	56. Create application pool	44. Destroy application pool	56. Modify application pool	
iis.VirtualDirectory or iis6.VirtualDirectory	60. Create virtual directory	40. Destroy virtual directory	60. Modify virtual directory	
iis.Website or iis6.Website	58. Create website 90. Start website	10. Stop website 40. Destroy website	10. Stop website 60. Modify website 90. Start website	10. Stop website (iff stopStartOnNoop equals true) 90. Start website (iff stopStartOnNoop equals true)

Extending the IIS plugin

The IIS 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
iis.ApplicationPoolSpec	Specification of an IIS application pool
iis.ApplicationSpec	Specification of an IIS application
iis.VirtualDirectorySpec	Specification of an IIS virtual directory
iis.WebContent	Folder containing IIS web content (ASP pages, HTML pages, images, stylesheets, etc)
iis.WebsiteSpec	Specification of an IIS website

Deployeds

CI	Description
iis.Application	IIS application
iis.ApplicationPool	IIS application pool
iis.PublishedWebContent	Published IIS web content
iis.VirtualDirectory	IIS virtual directory
iis.Website	IIS website

Containers

CI	Description
iis.Server	Internet Information Services

Other Configuration Items

CI	Description
iis.Application	IIS application
iis.ApplicationPool	IIS application pool
iis.ApplicationPoolSpec	Specification of an IIS application pool
iis.ApplicationSpec	Specification of an IIS application
iis.PublishedWebContent	Published IIS web content
iis.Server	Internet Information Services
iis.VirtualDirectory	IIS virtual directory
iis.VirtualDirectorySpec	Specification of an IIS virtual directory
iis.WebContent	Folder containing IIS web content (ASP pages, HTML pages, images, stylesheets, etc)
iis.Website	IIS website
iis.WebsiteBinding	IIS website binding
iis.WebsiteBindingSpec	Specification of an IIS website binding
iis.WebsiteSpec	Specification of an IIS website

Configuration Item Details

iis.Application

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

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

IIS application

Parent
* container : CI<udm.Container> The container on which this deployed runs.
Public Properties
* applicationPoolName : STRING = DefaultAppPool Name of the application pool for this website.
* physicalPath : STRING Physical path of this application
* protocols : STRING = http Protocols supported by this application
* websiteName : STRING Name of the website under which to create this application
applicationPath : STRING Path of this application within the website. Defaults to the name of the deployed if not specified
deployable : CI<udm.Deployable> The deployable that this deployed is derived from.

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

iis.ApplicationPool

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

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

IIS application pool

Parent	
* container : CI <udm.Container>	The container on which this deployed runs.
Public Properties	
* managedRuntimeVersion : STRING = v4.0	The managed .NET runtime version to use. Default is 'v4.0'. Valid values are v1.0, v1.1, v2.0, or v4.0.
* serviceAccount : STRING = ApplicationPoolIdentity	Application pool can run as several built-in service accounts. Valid values are NetworkService, LocalService, LocalSystem, ApplicationPoolIdentity, SpecificUser.
applicationPoolName : STRING	Name of this application pool. Defaults to the name of the deployed if not specified
deployable : CI <udm.Deployable>	The deployable that this deployed is derived from.
password : STRING	Password for application pool specific user account
stopStartOnNoop : BOOLEAN = true	If set to true, this application pool is stopped and started when another component in the same package is deployed
useClassicManagedPipeline : BOOLEAN	Configures ASP.NET to run in Classic Mode as an ISAPI extension. When not selected, Integrated Mode is used.
username : STRING	When service account is 'SpecificUser', application pool will run as a specific user

Hidden Properties	
* createOptions : SET_OF_STRING = [uploadArtifactData]	Options for the create step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
* createOrder : INTEGER = 56	Order at which the create step will be executed.
* createScript : STRING = iis/create-or-modify-application-pool.ps1	PowerShell script invoked to create a resource (or deploy an artifact) on Windows.
* createVerb : STRING = Create	Verb that is used to prefix the description for the create step.
* destroyOptions : SET_OF_STRING = [none]	Options for the destroy step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
* destroyOrder : INTEGER = 44	Order at which the destroy step will be executed.
* destroyScript : STRING = iis/destroy-application-pool.ps1	PowerShell script invoked to destroy a resource (or undeploy an artifact) on Windows.
* destroyVerb : STRING = Destroy	Verb that is used to prefix the description for the destroy step.
* discoverOrder : INTEGER = 50	Order at which the discover step will be executed.
* discoverScript : STRING = iis/inspect-application-pools.ps1	Script invoked to discover and inspect deployments of this type.
* modifyOptions : SET_OF_STRING = [uploadArtifactData, exposePreviousDeployed]	Options for the modify step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
* modifyOrder : INTEGER = 56	Order at which the modify step will be executed.
* modifyScript : STRING = iis/create-or-modify-application-pool.ps1	PowerShell script invoked to modify a resource (or an artifact) on Windows.
* modifyVerb : STRING = Modify	Verb that is used to prefix the description for the modify step.
* noopOptions : SET_OF_STRING = [none]	Options for the noop step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
* noopOrder : INTEGER = 50	Order at which the noop step will be executed.
* noopVerb : STRING = Noop	Verb that is used to prefix the description for the noop step.
* startOptions : SET_OF_STRING = [none]	Options for the start step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
* startOrder : INTEGER = 86	Order at which the start step will be executed.
* startScript : STRING = iis/start-application-pool.ps1	PowerShell script invoked to start a resource of an artifact on Windows.
* startVerb : STRING = Start	Verb that is used to prefix the description for the start step.
* stopOptions : SET_OF_STRING = [none]	Options for the stop step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
* stopOrder : INTEGER = 14	Order at which the stop script will be executed.
* stopScript : STRING = iis/stop-application-pool.ps1	PowerShell script invoked to stop a resource or an artifact on Windows.
* stopVerb : STRING = Stop	Verb that is used to prefix the description for the stop step.
libraryScripts : LIST_OF_STRING	List of scripts to append to the the step script.
noopScript : STRING	PowerShell script invoked to noop a resource or an artifact on Windows.

iis.ApplicationPoolSpec

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

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

Specification of an IIS application pool

Public Properties	
applicationPoolName : STRING	Name of this application pool. Defaults to the name of the deployed if not specified (string)
managedRuntimeVersion : STRING	The managed .NET runtime version to use. Default is 'v4.0'. Valid values are v1.0, v1.1, v2.0, or v4.0. (string)
password : STRING	Password for application pool specific user account (string)
serviceAccount : STRING	Application pool can run as several built-in service accounts. Valid values are NetworkService, LocalService, LocalSystem, ApplicationPoolIdentity, SpecificUser. (string)
stopStartOnNoop : STRING	If set to true, this application pool is stopped and started when another component in the same package is deployed (boolean)
tags : SET_OF_STRING	If set, this deployable will only be mapped automatically to containers with the same tag.
useClassicManagedPipeline : STRING	Configures ASP.NET to run in Classic Mode as an ISAPI extension. When not selected, Integrated Mode is used. (boolean)
username : STRING	When service account is 'SpecificUser', application pool will run as a specific user (string)

iis.ApplicationSpec

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

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

Specification of an IIS application

Public Properties	
applicationPath : STRING	Path of this application within the website. Defaults to the name of the deployed if not specified (string)
applicationPoolName : STRING	Name of the application pool for this website. (string)
physicalPath : STRING	Physical path of this application (string)
protocols : STRING	Protocols supported by this application (string)
tags : SET_OF_STRING	If set, this deployable will only be mapped automatically to containers with the same tag.
websiteName : STRING	Name of the website under which to create this application (string)

iis.PublishedWebContent

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

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

Published IIS web content

Parent	
* container :	<code>CI<udm.Container></code> The container on which this deployed runs.
Public Properties	
* targetPath :	<code>STRING</code> Path where this web content should be copied to
deployable :	<code>CI<udm.Deployable></code> The deployable that this deployed is derived from.
placeholders :	<code>MAP_STRING_STRING</code> A Map containing all the placeholders mapped to their values. Special values are or

Hidden Properties	
* createOptions : SET_OF_STRING = [uploadArtifactData]	Options for the create step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
* createOrder : INTEGER = 54	Order at which the create step will be executed.
* createScript : STRING = iis/deploy-webcontent.ps1	PowerShell script invoked to create a resource (or deploy an artifact) on Windows.
* createVerb : STRING = Copy	Verb that is used to prefix the description for the create step.
* destroyOptions : SET_OF_STRING = [none]	Options for the destroy step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
* destroyOrder : INTEGER = 46	Order at which the destroy step will be executed.
* destroyScript : STRING = iis/undeploy-webcontent.ps1	PowerShell script invoked to destroy a resource (or undeploy an artifact) on Windows.
* destroyVerb : STRING = Remove	Verb that is used to prefix the description for the destroy step.
* discoverOrder : INTEGER = 50	Order at which the discover step will be executed.
* modifyOptions : SET_OF_STRING = [uploadArtifactData]	Options for the modify step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
* modifyOrder : INTEGER = 54	Order at which the modify step will be executed.
* modifyScript : STRING = iis/deploy-webcontent.ps1	PowerShell script invoked to modify a resource (or an artifact) on Windows.
* modifyVerb : STRING = Copy	Verb that is used to prefix the description for the modify step.
* noopOptions : SET_OF_STRING = [none]	Options for the noop step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
* noopOrder : INTEGER = 50	Order at which the noop step will be executed.
* noopVerb : STRING = Noop	Verb that is used to prefix the description for the noop step.
* startOptions : SET_OF_STRING = [none]	Options for the start step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
* startOrder : INTEGER = 90	Order at which the start step will be executed.
* startVerb : STRING = Start	Verb that is used to prefix the description for the start step.
* stopOptions : SET_OF_STRING = [none]	Options for the stop step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
* stopOrder : INTEGER = 10	Order at which the stop script will be executed.
* stopVerb : STRING = Stop	Verb that is used to prefix the description for the stop step.
discoverScript : STRING	Script invoked to discover and inspect deployments of this type.
libraryScripts : LIST_OF_STRING	List of scripts to append to the step script.
noopScript : STRING	PowerShell script invoked to noop a resource or an artifact on Windows.
startScript : STRING	PowerShell script invoked to start a resource of an artifact on Windows.
stopScript : 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.

iis.Server

Type Hierarchy powershell.BasePowerShellContainer >> udm.BaseContainer >> udm.BaseConfigurationItem

Interfaces udm.Taggable, powershell.PowerShellContainer, udm.ConfigurationItem, udm.Container, overthere.HostContainer

Internet Information Services

Parent	
* host : CI <overthere.Host>	Host upon which the container resides
Public Properties	
tags : SET_OF_STRING	If set, only deployables with the same tag will be automatically mapped to this container.
Hidden Properties	
* discoverOrder : INTEGER = 0	Order at which the discover step will be executed.
* libraryScripts : LIST_OF_STRING = [iis/runtime/assert.ps1, iis/runtime/load-webadministration.ps1]	List of scripts to append to the the step script.
deployedsToDiscover : SET_OF_STRING	Deployeds To Discover
discoverScript : STRING	Script invoked to inspect this container and discover deployeds on it.
powerShellPath : STRING = powershell	Power Shell Path

iis.VirtualDirectory

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

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

IIS virtual directory

Parent	
* container : CI <udm.Container>	The container on which this deployed runs.
Public Properties	
* physicalPath : STRING	Physical path of this virtual directory
* websiteName : STRING	Name of the website under which to create this virtual directory
deployable : CI <udm.Deployable>	The deployable that this deployed is derived from.
virtualDirectoryPath : STRING	Path of this virtual directory within the website. Defaults to the name of the deployed if not specified

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

iis.VirtualDirectorySpec

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

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

Specification of an IIS virtual directory

Public Properties	
physicalPath :	STRING Physical path of this virtual directory (string)
tags :	SET_OF_STRING If set, this deployable will only be mapped automatically to containers with the same tag.
virtualDirectoryPath :	STRING Path of this virtual directory within the website. Defaults to the name of the deployed if not specified (string)
websiteName :	STRING Name of the website under which to create this virtual directory (string)

iis.WebContent

Type Hierarchy powershell.BasePowerShellDeployableFolderArtifact >> 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 IIS web content (ASP pages, HTML pages, images, stylesheets, etc)

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.
targetPath :	STRING Path where this web content should be copied to (string)
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

iis.Website

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

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

IIS website

Parent
* container : <code>CI<udm.Container></code> The container on which this deployed runs.
Children
* bindings : <code>SET_OF_CI<iis.WebsiteBinding ></code> Bindings of this website
Public Properties
* applicationPoolName : <code>STRING = DefaultAppPool</code> Name of the application pool for this website.
* physicalPath : <code>STRING</code> Physical path of this website
deployable : <code>CI<udm.Deployable></code> The deployable that this deployed is derived from.
stopStartOnNoop : <code>BOOLEAN = true</code> If set to true, this website is stopped and started when another component in the same package is deployed
websiteName : <code>STRING</code> Name of this website. Defaults to the name of the deployed if not specified

Hidden Properties	
* createOptions : SET_OF_STRING = [uploadArtifactData]	Options for the create step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
* createOrder : INTEGER = 58	Order at which the create step will be executed.
* createScript : STRING = iis/create-or-modify-website.ps1	PowerShell script invoked to create a resource (or deploy an artifact) on Windows.
* createVerb : STRING = Create	Verb that is used to prefix the description for the create step.
* destroyOptions : SET_OF_STRING = [none]	Options for the destroy step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
* destroyOrder : INTEGER = 42	Order at which the destroy step will be executed.
* destroyScript : STRING = iis/destroy-website.ps1	PowerShell script invoked to destroy a resource (or undeploy an artifact) on Windows.
* destroyVerb : STRING = Destroy	Verb that is used to prefix the description for the destroy step.
* discoverOrder : INTEGER = 50	Order at which the discover step will be executed.
* discoverScript : STRING = iis/inspect-websites.ps1	Script invoked to discover and inspect deployments of this type.
* modifyOptions : SET_OF_STRING = [uploadArtifactData, exposePreviousDeployed]	Options for the modify step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
* modifyOrder : INTEGER = 58	Order at which the modify step will be executed.
* modifyScript : STRING = iis/create-or-modify-website.ps1	PowerShell script invoked to modify a resource (or an artifact) on Windows.
* modifyVerb : STRING = Modify	Verb that is used to prefix the description for the modify step.
* noopOptions : SET_OF_STRING = [none]	Options for the noop step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
* noopOrder : INTEGER = 50	Order at which the noop step will be executed.
* noopVerb : STRING = Noop	Verb that is used to prefix the description for the noop step.
* startOptions : SET_OF_STRING = [none]	Options for the start step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
* startOrder : INTEGER = 90	Order at which the start step will be executed.
* startScript : STRING = iis/start-website.ps1	PowerShell script invoked to start a resource of an artifact on Windows.
* startVerb : STRING = Start	Verb that is used to prefix the description for the start step.
* stopOptions : SET_OF_STRING = [none]	Options for the stop step (1 or more of: none,uploadArtifactData,exposePreviousDeployed,exposeDeployedApplication).
* stopOrder : INTEGER = 10	Order at which the stop script will be executed.
* stopScript : STRING = iis/stop-website.ps1	PowerShell script invoked to stop a resource or an artifact on Windows.
* stopVerb : STRING = Stop	Verb that is used to prefix the description for the stop step.
libraryScripts : LIST_OF_STRING	List of scripts to append to the the step script.
noopScript : STRING	PowerShell script invoked to noop a resource or an artifact on Windows.

iis.WebsiteBinding

Type Hierarchy udm.BaseEmbeddedDeployed >> udm.BaseConfigurationItem
Interfaces udm.EmbeddedDeployedContainer, udm.ConfigurationItem, udm.EmbeddedDeployed

IIS website binding

Parent	
* container :	CI<udm.EmbeddedDeployedContainer> The (embedded) deployed which contains this embedded deployed.
Public Properties	
* ipAddress :	STRING = * IP address
* port :	INTEGER = 80 Port
* protocol :	STRING = http Protocol
deployable :	CI<udm.EmbeddedDeployable> The embedded deployable that this embedded deployed is derived from.
hostHeader :	STRING Host Header

iis.WebsiteBindingSpec

Type Hierarchy udm.BaseEmbeddedDeployable >> udm.BaseConfigurationItem
Interfaces udm.EmbeddedDeployable, udm.ConfigurationItem

Specification of an IIS website binding

Public Properties	
hostHeader :	STRING Host Header (string)
ipAddress :	STRING IP address (string)
port :	STRING Port (integer)
protocol :	STRING Protocol (string)

iis.WebsiteSpec

Type Hierarchy powershell.BasePowerShellDeployable >> udm.BaseDeployable >> udm.BaseConfigurationItem
Interfaces udm.Taggable, udm.Deployable, udm.ConfigurationItem

Specification of an IIS website

Children	
* bindings :	SET_OF_CI<iis.WebsiteBindingSpec > Bindings of this website
Public Properties	
applicationPoolName :	STRING Name of the application pool for this website. (string)
physicalPath :	STRING Physical path of this website (string)
stopStartOnNoop :	STRING If set to true, this website is stopped and started when another component in the same package is deployed (boolean)
tags :	SET_OF_STRING If set, this deployable will only be mapped automatically to containers with the same tag.
websiteName :	STRING Name of this website. Defaults to the name of the deployed if not specified (string)

