

AtgAppServer

An ATG application server

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1. Overview

AtgAppServer: *An ATG application server*

2. Design

Super Type

[AtgService](#)

Role	Abstract. (Objects cannot be created.)
Instance Names	Unique
Notification	false
Template Directory	<code>\${modules.dir}/AtgAppServer/templates</code>
Data View	Children, proximity: 1
Logger Name	AtgAppServer

3. Constraints

3.1. Allowed Child Dependencies

- [AtgAppServername](#) 1
- [AtgConfigJar](#) 1
- [AtgDirlist](#) 1
- [AtgRepositoryCache](#)
- [AtgRmiHost](#) 1
- [AtgRmiPath](#) 1
- [AtgRmiPort](#) 1
- [AtgSwitchingDatasource](#) 1
- DefaultAllowMultiplePackageMatches1
- DefaultFailIfPackageNotReplaced1
- DefaultPackageName1
- DefaultPackageType1

1: These types have a *Singleton* constraint. Only one instance may be added as a resource.

3.2. Allowed Parent Dependencies

- AtgAppServerCollection
- Node

4. Attributes

4.1. Exported Attributes

Name	Property
dynamoHome	deployment-basedir
dynamoRoot	deployment-install-root

4.2. Defaults for Imported Attributes

Name	Default
atgRmiHost	localhost
atgRmiPath	/controltier/ext/atg/rmi/RmiComponentDispatcher
defaultAllowMultiplePackageMatches	false
defaultDeploymentType	\${context.type}
defaultFailIfPackageNotReplaced	true
defaultPackageName	^\$
defaultPackageType	AtgConfigJar
dirlist	data,j2ee/runtime,localconfig/atg,localconfig/atg/dynamo,logs/arch

5. Commands

Note:

Commandline options displayed in square brackets "[]" are optional. If an option expects arguments, then angle brackets are shown after the option "<>". Any default value is shown within the brackets.

5.1. Switch-Datasource

Switch the application server to use the specified datasource, invalidate caches and update the object model

Usage

Switch-Datasource -datasource <>

5.1.1. Workflow

1. [switchDatasource](#)
2. [invalidateCaches](#)
3. [updateDatasourceModelObject](#)

Options

Option	Description
datasource	<i>Datasource name</i>

5.2. updateDatasourceModelObject

updates the model with specified datasource object

Usage

```
updateDatasourceModelObject [-datasource <>] [-rmiport <>]
```

Options

Option	Description
datasource	<i>the datasource name</i>
rmiport	<i>the rmi port to run lookup</i>

5.3. invalidateCaches

tells server to invalidate its caches

Usage

```
invalidateCaches [-datasource <>] [-rmihost <>] [-rmiport <>]
```

Options

Option	Description
datasource	<i>name of datasource</i>
rmihost	<i>RMI control host</i>
rmiport	<i>RMI control port</i>

5.4. isNucleusRunning

searches dynamo.log for "Nucleus running" text

Usage

```
isNucleusRunning [-name <>]
```

Execution	bash
Arguments	echo define implementation here

Options

Option	Description
name	<i>atg instance name</i>

5.5. getDataSourceName

uses rmi task to lookup current datasource name

Usage

```
getDataSourceName [-rmiport <>]
```

Options

Option	Description
rmiport	<i>the rmi port to run lookup</i>

5.6. switchDataSource

uses rmi task to switch datastore and updates model

Usage

```
switchDataSource -datasource <> [-rmihost <>] [-rmiport <>]
```

Options

Option	Description
datasource	<i>name of datasource</i>
rmihost	<i>the rmi host to invoke switch call</i>
rmiport	<i>the rmi port to invoke switch call</i>

5.7. stopAcceptingNewSessions

Calls the RMI /atg/dynamo/admin/LoadControl.setAcceptingNewSessions(true) method to stop accepting new sessions

Usage

```
stopAcceptingNewSessions [-failonerror <no>] [-rmiport <>]
```

Options

Option	Description
failonerror	<i>Log a warning message, but do not stop the command if the rmi call does not succeed</i>
rmiport	<i>rmi listen port</i>

6. Related Types

The following types are defined for use with AtgAppServer.

6.1. AtgAppServerSetting

6.1.1. Overview

AtgAppServerSetting: *An ATG application server setting*

6.1.2. Design

Super Type Setting

Role	Abstract. (Objects cannot be created.)
Instance Names	Unique

6.1.3. Constraints

6.1.3.1. Allowed Parent Dependencies

- [AtgAppServer](#)

6.2. AtgSwitchingDatasource

6.2.1. Overview

AtgSwitchingDatasource: *An ATG switching datasource configuration item*

6.2.2. Design

Super Type [AtgAppServerSetting](#)

Role	Concrete. (Objects can be created.)
------	--

Instance Names	Unique
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6.2.3. Constraints

6.2.3.1. Allowed Parent Dependencies

- [AtgAppServer](#)
- [AtgCatalogRdbSchema](#)

6.2.4. Attributes

6.2.4.1. Exported Attributes

Name	Property
datasource	settingValue

6.3. AtgDirlist

6.3.1. Overview

AtgDirlist: *The list of expected instance sub directories*

6.3.2. Design

Super Type

[AtgAppServerSetting](#)

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.3.3. Constraints

6.3.3.1. Allowed Parent Dependencies

- [AtgAppServer](#)

6.3.4. Attributes

6.3.4.1. Exported Attributes

Name	Property
------	----------

dirlist	settingValue
---------	--------------

6.4. AtgAppServername

6.4.1. Overview

AtgAppServername: *The configuration name of the atg server*

6.4.2. Design

Super Type

[AtgAppServerSetting](#)

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.4.3. Constraints

6.4.3.1. Allowed Parent Dependencies

- [AtgAppServer](#)
- [AtgDynamo](#)

6.4.4. Attributes

6.4.4.1. Exported Attributes

Name	Property
servername	settingValue

6.5. AtgRmiPort

6.5.1. Overview

AtgRmiPort: *An RMI listen port*

6.5.2. Design

Super Type

[AtgAppServerSetting](#)

Role	Concrete. (Objects can be created.)
------	--

Instance Names	Unique
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6.5.3. Constraints

6.5.3.1. Allowed Parent Dependencies

- [AtgAppServer](#)

6.5.4. Attributes

6.5.4.1. Exported Attributes

Name	Property
atgRmiPort	settingValue

6.6. AtgRmiHost

6.6.1. Overview

AtgRmiHost: *An RMI host*

6.6.2. Design

Super Type

[AtgAppServerSetting](#)

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.6.3. Constraints

6.6.3.1. Allowed Parent Dependencies

- [AtgAppServer](#)

6.6.4. Attributes

6.6.4.1. Exported Attributes

Name	Property
atgRmiHost	settingValue

6.7. AtgRmiPath

6.7.1. Overview

AtgRmiPath: *Path the the ControlTier RMI component dispatcher*

6.7.2. Design

Super Type

[AtgAppServerSetting](#)

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.7.3. Constraints

6.7.3.1. Allowed Parent Dependencies

- [AtgAppServer](#)

6.7.4. Attributes

6.7.4.1. Exported Attributes

Name	Property
atgRmiPath	settingValue

6.8. AtgAppTimezone

6.8.1. Overview

AtgAppTimezone: *A appserver timezone*

6.8.2. Design

Super Type

[AtgAppServerSetting](#)

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.8.3. Constraints

6.8.3.1. Allowed Parent Dependencies

- [AtgAppServer](#)

6.8.4. Attributes

6.8.4.1. Exported Attributes

Name	Property
timezone	settingValue

6.9. AtgRepositoryCache

6.9.1. Overview

AtgRepositoryCache: *The RMI component and method to manage flushing a local ATG repository cache*

6.9.2. Design

Super Type

[AtgAppServerSetting](#)

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.9.3. Constraints

6.9.3.1. Allowed Parent Dependencies

- [AtgAppServer](#)

6.9.4. Attributes

6.9.4.1. Exported Attributes

Name	Property
atgRepositoryComponent	settingValue

atgRepositoryMethod	settingType
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