

AtgDasServer

ATG Dynamo application server

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1. Overview

AtgDasServer: *ATG Dynamo application server*

2. Design

Super Type

[AtgAppServer](#)

Role	Concrete. (Objects can be created.)
Instance Names	Unique
Notification	false
Template Directory	
Data View	Children, proximity: 1
Logger Name	ATGDrpServer

3. Constraints

3.1. Allowed Child Dependencies

- AtgAppServername1
- [AtgConfigJar](#) 1
- [AtgDasArguments](#) 1
- [AtgDasJavaHome](#) 1
- [AtgDasPassword](#) 1
- [AtgDasPath](#) 1
- [AtgDasStartTimeout](#) 1
- [AtgDasStopTimeout](#) 1
- [AtgDasUser](#) 1
- AtgDirlist1
- AtgRepositoryCache
- AtgRmiHost1
- AtgRmiPath1
- AtgRmiPort1
- AtgSwitchingDatasource1
- 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

- [AtgSite](#)
- Node
- Updater

4. Attributes

4.1. Exported Attributes

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

4.2. Defaults for Imported Attributes

Name	Default
atgDasArguments	
atgDasJavaHome	/usr/java
atgDasPassword	admin
atgDasPath	/bin:/usr/bin:/usr/local/bin
atgDasStartTimeout	600
atgDasStopTimeout	60
atgDasUser	admin
atgRmiHost	localhost
atgRmiPath	/controltier/ext/atg/rmi/RmiComponentDispatcher
defaultAllowMultiplePackageMatches	false
defaultFailIfPackageNotReplaced	true
defaultPackageName	^\$

defaultPackageType	AtgConfigJar
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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. assertServiceIsDown

Checks if the Dynamo server is down

Usage

```
assertServiceIsDown [-dynamohome <>] [-servername <>]
```

Options

Option	Description
dynamohome	<i>Value of DYNAMO_HOME</i>
servername	<i>Dynamo server name</i>

5.2. assertServiceIsUp

Checks if Dynamo server is running

Usage

```
assertServiceIsUp [-dynamohome <>] [-servername <>]
```

Options

Option	Description
dynamohome	<i>Value of DYNAMO_HOME</i>
servername	<i>Dynamo server name</i>

5.3. startService

Starts the Dynamo server

Usage

```
startService [-arguments <>] [-dynamohome <>] [-javahome <>]  
[-path <>] [-servername <>] [-spawn <true>] [-timeout <>]
```

Options

Option	Description
arguments	<i>Arguments passed to startDynamo</i>
dynamohome	<i>Value of DYNAMO_HOME</i>
javahome	<i>Value of JAVA_HOME</i>
path	<i>Basic value of the PATH variable</i>
servername	<i>Dynamo server name</i>
spawn	<i>Whether or not to spawn the startDynamo script</i>
timeout	<i>Startup timeout value in seconds</i>

5.4. stopService

Stops the Dynamo server cleanly or killing as necessary

Usage

stopService

5.4.1. Workflow

1. stopAcceptingNewSessions
2. [runStopDynamo](#)
3. [maybeKillService](#)

5.5. runStopDynamo

Stops the Dynamo server

Usage

```
runStopDynamo [-dynamohome <>] [-javahome <>] [-password <>]
[-path <>] [-servername <>] [-timeout <>] [-user <>]
```

Options

Option	Description
dynamohome	<i>Value of DYNAMO_HOME</i>
javahome	<i>Value of JAVA_HOME</i>
password	<i>Password passed to stopDynamo</i>
path	<i>Basic value of the PATH variable</i>
servername	<i>Dynamo server name</i>

timeout	Shutdown timeout value in seconds
user	Username passed to stopDynamo

5.6. maybeKillService

Calls retryIsDownService and if that fails calls killService

Usage

```
maybeKillService
```

5.6.1. Workflow

1. [retryIsDownService](#)

5.6.2. Error Handler

Command	killService
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5.7. retryIsDownService

Test repeatedly whether the Dynamo server has stopped

Usage

```
retryIsDownService [-dynamohome <>] [-servername <>]
[-timeout <>]
```

Options

Option	Description
dynamohome	Value of DYNAMO_HOME
servername	Dynamo server name
timeout	Timeout value in seconds

5.8. killService

Kills the Dynamo server

Usage

```
killService [-dynamohome <>] [-javahome <>] [-password <>]
[-path <>] [-servername <>] [-timeout <>] [-user <>]
```

Options

Option	Description
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dynamohome	Value of DYNAMO_HOME
javahome	Value of JAVA_HOME
password	Password passed to stopDynamo
path	Basic value of the PATH variable
servername	Dynamo server name
timeout	Shutdown timeout value in seconds
user	Username passed to stopDynamo

6. Related Types

The following types are defined for use with AtgDasServer.

6.1. AtgDasSetting

6.1.1. Overview

AtgDasSetting: *A DAS Setting*

6.1.2. Design

Super Type

AtgAppServerSetting

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

6.1.3. Constraints

6.1.3.1. Allowed Parent Dependencies

- [AtgDasServer](#)

6.2. AtgDasArguments

6.2.1. Overview

AtgDasArguments: *The set of command line arguments to pass to dynamoStart for a given server*

6.2.2. Design

Super Type [AtgDasSetting](#)

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

6.2.3. Attributes

6.2.3.1. Exported Attributes

Name	Property
atgDasArguments	settingValue

6.3. AtgDasUser

6.3.1. Overview

AtgDasUser: *User account to use for Dynamo server administration*

6.3.2. Design

Super Type Setting

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

6.3.3. Attributes

6.3.3.1. Exported Attributes

Name	Property
atgDasUser	settingValue

6.4. AtgDasPassword

6.4.1. Overview

AtgDasPassword: *Password to use for Dynamo server administration*

6.4.2. Design

Super Type

[AtgDasSetting](#)

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

6.4.3. Attributes

6.4.3.1. Exported Attributes

Name	Property
atgDasPassword	settingValue

6.5. AtgDasStartTimeout

6.5.1. Overview

AtgDasStartTimeout: *Timeout period (in seconds) to wait for Dynamo startup to succeed*

6.5.2. Design

Super Type

[AtgDasSetting](#)

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

6.5.3. Attributes

6.5.3.1. Exported Attributes

Name	Property
atgDasStartTimeout	settingValue

6.6. AtgDasStopTimeout

6.6.1. Overview

AtgDasStopTimeout: *Timeout period (in seconds) to wait for Dynamo shutdown to succeed*

6.6.2. Design

Super Type

[AtgDasSetting](#)

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

6.6.3. Attributes

6.6.3.1. Exported Attributes

Name	Property
atgDasStopTimeout	settingValue

6.7. AtgDasPath

6.7.1. Overview

AtgDasPath: *The PATH to set for Dynamo server administration*

6.7.2. Design

Super Type

[AtgDasSetting](#)

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

6.7.3. Attributes

6.7.3.1. Exported Attributes

Name	Property
atgDasPath	settingValue

6.8. AtgDasJavaHome

6.8.1. Overview

AtgDasJavaHome: *The JAVA_HOME to set for Dynamo server administration*

6.8.2. Design

Super Type

[AtgDasSetting](#)

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

6.8.3. Attributes

6.8.3.1. Exported Attributes

Name	Property
atgDasJavaHome	settingValue