

Running AntDepo Commands

1. Command Line

If you've installed AntDepo as described in the [Installing AntDepo](#) section, running the AntDepo command-line is simple: just type `ad`.

The `ad` command is used to execute commands within the AntDepo framework.

Options

Typing `ad -h` will print the `ad` usage:

```
$ ad -h
usage: ad [-h] [-v] [-V] [-p project -t type -o object -c command] [-m module -c command]
  -V          run verbose and invoke ant using -invoke flag
  -c          command
  -h          display this help
  -m          module name
  -o          entity object name
  -p          project name
  -t          entity type name
  -v          run verbose
```

When no arguments are specified, AntDepo looks for any projects where objects have been created and any modules that have been installed and lists them.

Listings with `ad`

When you login to a machine that has AntDepo installed, one often wants to know what commands can be run via `ad`.

The `ad` command helps you navigate to contexts from which commands can be run. The example below demonstrates `ad`'s built in listing capability to navigate to run the `Status` command for the staging HNTomcat object in the headlines project:

```
$ ad
#Available projects:
headlines

$ ad -p headlines
#Available types in project:
HNBuilder
HNMySQL
```

```
HNMySQLSchema
HNSite
HNTomcat
HNUpdater

$ ad -p headlines -t HNTomcat
#Available instances for type:
staging

$ ad -p headlines -t HNTomcat -o staging
#Available commands in module:
Configure
Docs-Generate
Docs-Verify
Get-Properties
Install
Packages-Install
Prepare
Register
Start
Status
Stop
Update
assertServiceIsDown
assertServiceIsUp
runShutdownScript
sendShutdownMessage
startService
stopService

$ ad -p headlines -t HNTomcat -o staging -c Status
UP
```

2. Files and Environment Variables

Wrapper scripts exist for Unix and Windows to run the ad launcher. These launcher scripts read an initialization profile. For Unix OSes, the `$ANTDEPO_BASE/etc/profile` file is read. On Windows, `%ANTDEP_BASE%\etc\profile.bat` is called. These files are created by the AntDepo setup command but can be used to set needed environment variables.

The wrapper scripts use the following environment variables:

- `ANTDEPO_HOME` - full path to the AntDepo software install base
- `ANTDEPO_BASE` - full path to the AntDepo repository base

3. Default Commands - Managed-Entity Module

The AntDepo framework includes a command module called, `Managed-Entity`, containing a set of commands that provide all objects some very basic capabilities. One can

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think of these as default or built-in commands available to any object.

Name	Description
Install	Creates an instance of the specified type and stores it in the local repository. Sets up a standard directory structure, installs the module if needed, and obtains object properties. This command makes use of Install-Module and Get-Properties.
Install-Module	Installs the module specified by name and version into the module library.
Properties	Prints out all object properties obtained from Get-Properties
Get-Properties	Obtains the object properties
Purge	Deletes the specified object from the local repository. The Purge command first archives the <code>\${entity.instance.dir}</code> of the object to <code>\$ANTDEPO_BASE/var/removed-objects</code> .

Table 1: Managed-Entity Commands

Examples

```
ad -p myproj -m HelloModule -o hi -c Install
ad -p myproj -m HelloModule -o hi -c Properties
```