

Anteater Updating System

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1. Updating Anteater

Anteater 0.9.13 and above comes with a simple Ant-based system for upgrading an Anteater installation. This upgrading system can be used to:

- Install new Anteater tasks, like the [Jelly](#) task
- Install new XML schemas, in order to validate new XML types
- Get the latest Anteater patches and bugfixes
- Upgrade Anteater to the latest version

By running the 'anteater-update' script, one is presented with a list of Anteater upgrades available online:

```
print-updates:
    Name: jelly
    Description: Adds the ability for most Anteater tasks to have dynamically
    created content
    Installed: false

    Name: rng-schemas
    Description: Install a selection of useful Relax NG schemas
    Installed: false

    Name: xhtml-schema
    Description: Install XHTML Relax NG schemas
    Installed: false

get-selection:
Enter name of update to install:(jelly,rng-schemas,xhtml-schema,none)
```

Note:

Actually, all that happens is that [an Ant script](#) is downloaded and executed.

One then selects the update to apply. The update script is downloaded from [the updates](#)

[sitory](#) and is run. For example:

```
get-selection:
Enter name of update to install:(jelly, rng-schemas, xhtml-schema, none)
jelly

install-selection:
Created dir: /home/jeff/sf/Anteater/build/anteater-0.9.13/resources/scripts/updates
Getting: http://cvs.sourceforge.net/cgi-bin/viewcvs.cgi/*checkout*/aft/Anteater/resources/scripts/updates/jelly-install.xml?rev=HEAD&content-type=text/xml
Created dir: /home/jeff/sf/Anteater/build/anteater-0.9.13/tmp

choose-repos:

-----
Anteater Jelly support Installer

This update allows Anteater tasks that have nested content to have it
dynamically generated via a Jelly script.
-----

Please enter the URL of a Maven-style repository to download Jelly from: [http://www.ib
Using repository http://www.ibiblio.org/maven...

get:

-----
Trying to fetch jars required by Jelly.

From: http://www.ibiblio.org/maven
To: /home/jeff/sf/Anteater/build/anteater-0.9.13/lib
-----

Getting: http://www.ibiblio.org/maven/commons-grant/jars/commons-grant-1.0-beta-4.jar
Checksum matches: true
Getting: http://www.ibiblio.org/maven/commons-cli/jars/commons-cli-SNAPSHOT.jar
Checksum matches: true
Getting: http://www.ibiblio.org/maven/commons-logging/jars/commons-logging-1.0.1.jar
Checksum matches: true
.....
```

If this process completes successfully, one should see a message like:

```
Finished installing upgrade 'jelly'
```

Alternatively, one can just specify the update to apply from the command-line, for example `anteater-update xhtml-schema`, in which case the whole process typically requires no further user interaction.

2. Specifying a required update

A script may declare a dependency on an optional feature with the [uses tag](#). For example, a script that needs the 'jelly' upgrade would have:

```
<group id="default">
  ....
  <uses>
    <feature name="jelly"/> <!-- Need 'jelly' optional feature -->
  </uses>
</group>
```

If a user tried to run this script on an Anteater installation lacking the 'jelly' upgrade, they would see something like this:

```
[~/examples]$ anteater -f jelly.xml
Anteater 0.9.14

Buildfile: jelly.xml

jelly:

BUILD FAILED
file:/home/jeff/sf/Anteater/examples/jelly.xml:19: Missing feature: Anteater feature 'j
Total time: 3 seconds
```