WEB CURATOR TOOL

Upgrade Guide (WCT 1.6)

September 2012

Contents

Introduction

This guide, designed for a System Administrator, covers upgrade of the Web Curator Tool from version 1.5.2 to version 1.6. If you are on an earlier version then please consult the previous version of this document called 'Web Curator Tool Upgrade Guide (WCT 1.5.2).doc' (or .pdf) to upgrade your system to 1.5.2 first.

For information on using the Web Curator Tool, see the Web Curator Tool Quick Start Guide and the Web Curator Tool online help.

Upgrade Requirements

The following section explains the requirements for upgrading to version 1.6 of the Web Curator Tool.

Prerequisites

The following are required to successfully upgrade the Web Curator Tool to version 1.6:

- Installed and running version of the Web Curator Tool – version 1.6 running against Oracle 11g, PostgreSQL 8.4.9 or MySQL 5.0.95.
- Access to the database to run scripts that add/modify tables in the DB_WCT schema.
- Access to the Tomcat servers for the Core, Digital Asset Store, and Harvest Agent components.

Other versions of the required products may be compatible with the Web Curator Tool but they have not been tested. Due to the products use of Hibernate for database persistence other database platforms should work, if the product is rebuilt with the correct database dialect. However only MySQL 5.0.95, PostgreSQL 8.4.9 and Oracle 11g have been tested.

Shut Down the WCT

There are three major components to the deployment of the Web Curator Tool:

- the web curator core (wct.war)
- the web curator harvest agent (wct-harvest-agent.war)
- the web curator digital asset store (wct-store.war).

This document assumes that v1.5.2 is currently deployed to your Tomcat instance.

To begin the upgrade of the WCT to version 1.6

1. Make sure that all target instances have completed.
2. Shut down the Tomcat instance(s) running the Harvest Agents, WCT Core, and Digital Asset Store.

Upgrading WCT Database Schema

Version 1.6 of the Web Curator Tool is supported under MySQL 5.0.95, Oracle 11g and PostgreSQL 8.4.9. Database schema upgrade scripts have been provided for all three databases.

Upgrading on Oracle 11g

This guide assumes that the WCT v1.5.2 schema is already configured on your Oracle 11g database under the schema DB_WCT.

1. Log on to the database using the DB_WCT user.
2. Run the following SQL to upgrade the database:

```
db\upgrade\upgrade-oracle-1_5_2-to-1_6.sql

SQL> conn db_wct@<sid-name>
SQL> @upgrade-oracle-1_5_2-to-1_6.sql

sql\wct-qa-data-1_6-oracle.sql
SQL> @wct-qa-data-1_6-oracle.sql

SQL> exit;
```

The wct-qa-data-1_6-oracle.sql script will generate QA indicator template data for the new QA module for each agency, and should be run once all agencies have been added to WCT. Note that if the script is re-run, it will clear out any existing template data.

Upgrading on PostgreSQL 8

This guide assumes that the WCT v1.5.2 schema is already configured on your PostgreSQL 8.1 database under the schema DB_WCT.

1. Log on to the database using the DB_WCT user.
2. Run the following SQL to upgrade the database:

```
db\upgrade\upgrade-postgres-1_5_2-to-1_6.sql

postgres=# \c Dwct
postgres=# \i upgrade-postgres-1_5_2-to-1_6.sql

sql\wct-qa-data-1_6-postgres.sql
postgres=# \i wct-qa-data-1_6-postgres.sql

postgres=# \q
```

The wct-qa-data-1_6-postgres.sql script will generate QA indicator template data for the new QA module for each agency, and should be run once all agencies have been added to WCT. Note that if the script is re-run, it will clear out any existing template data.

Upgrading on MySQL 5

This guide assumes that the WCT v1.5.2 schema is already configured on your MySQL 5.0.95 database under the schema DB_WCT.

1. Log on to the database using the DB_WCT user.
2. Run the following SQL to upgrade the database:

```
db\upgrade\upgrade-mysql-1_5_2-to-1_6.sql

mysql> use db_wct
mysql> source upgrade-mysql-1_5_2-to-1_6.sql

sql\wct-qa-data-1_6-mysql.sql
mysql> source wct-qa-data-1_6-mysql.sql

mysql> quit
```

The wct-qa-data-1_6-mysql.sql script will generate QA indicator template data for the new QA module for each agency, and should be run once all agencies have been added to WCT. Note that if the script is re-run, it will clear out any existing template data.

Deploying WCT to Tomcat

3 Remove the applications from the Apache Tomcat webapps directory, including the expanded directory and WAR files.

4 Copy the version 1.6 WAR files into the Apache Tomcat webapps folder.

5 Expand the WAR files as follows:

```
cd $TOMCAT/webapps
mkdir wct
cd wct
$JAVA_HOME/bin/jar xvf ../wct.war

cd $TOMCAT/webapps
mkdir wct-harvest-agent
cd wct-harvest-agent
$JAVA_HOME/bin/jar xvf ../wct-harvest-agent.war

cd $TOMCAT/webapps
mkdir wct-store
cd wct-store
$JAVA_HOME/bin/jar xvf ../wct-store.war
```

Configuration

See the WCT System Administrator Guide for information about configuring the Web Curator Tool.

Of note, please ensure that the TOMCAT/webapps/META-INF/context.xml is updated to correctly identify your database.

The Spring and Log4J XML files should also be checked as per the WCT System Administrator Guide to ensure their values are appropriate for your deployment.

Important Notes

New configuration parameters

This release greatly enhances the Automated Quality Assurance features by providing a preview of each harvest and an automated recommendation. These features can be enabled by setting the following property in the wct-core.properties file:

```
#QueueController settings
queueController.enableQaModule=true
```

A direct link to the site entry page for a specific target is provided as a 'Web Archive' link on the 'Quality Review Tools' page. This link is configured by the following property in the wct-core.properties file:

```
# the access url to use for the Web Archive to search for a specific target
qualityReviewToolController.webArchiveTarget=http://www.webarchive.org.uk/ukwa/target/
```

If the auto-prune option is enabled, WCT will automatically removed the same resources that where pruned from the last archived target instance for the target. The modification note for the auto-pruned harvest result is set by:

```
# modification note applied when a harvest is auto-pruned
queueController.autoPrunedNote=Auto-pruned
```

The width and height of the harvest preview (thumbnail) is set by:

```
# configured width of the QA thumbnail preview
queueController.thumbnailWidth=200px;
# configured height of the QA thumbnail preview
queueController.thumbnailHeight=100px;
```

To render the preview, WCT uses the internal browse tool or the Wayback Access Tool. This is configured using:

```
# configured thumbnail renderer (browseTool or accessTool)
# browseTool = internal review tool
# accessTool = external Wayback access tool
queueController.thumbnailRenderer=accessTool
```

Post-upgrade Notes

Once the Web Curator Tool has been upgraded you will be able to start the Tomcat instances and log in as any of the users that existed prior to the upgrade.

Notes on the Upgrade Effects

Please see the release notes and readme files for further information regarding the changes introduced in WCT 1.6.