



WEB CURATOR TOOL

*Upgrade
Guide*

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Introduction

This guide, designed for a System Administrator, covers upgrade of the Web Curator Tool from version 1.1 or 1.1.1beta to version 1.2.

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 1.2 of the Web Curator Tool.

Prerequisites

The following are required to successfully upgrade the Web Curator Tool to version 1.2:

- Installed and running version of the Web Curator Tool – either version 1.1 or 1.1.1beta running against Oracle 10g or PostgreSQL 8.1.
- 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 PostgreSQL and Oracle 10g 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 v1.1 or v1.1.1beta is currently deployed to your Tomcat instance.

To begin the upgrade of the WCT to version 1.2:

- 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 1.1 of the Web Curator Tool is supported under Oracle 10g and PostgreSQL 8.1. Database schema upgrade scripts have been provided for both databases.

Upgrading on Oracle 10g

This guide assumes that the WCT v1.1 schema is already configured on your Oracle 10g 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:

```
sql\oracle\upgrade-oracle-1_1-to-1_2.sql  
  
SQL> conn db_wct@xe  
SQL> @upgrade-oracle-1_1-to-1_2.sql  
SQL> exit;
```

Upgrading on PostgreSQL 8.1

This guide assumes that the WCT v1.1 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:

```
sql\postgres\upgrade-postgres-1_1-to-1_2.sql  
  
postgres=# \c Dwct  
postgres=# \i upgrade-postgres-1_1-to-1_2.sql  
postgres=# \q
```



Upgrading the Application

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 1.2 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.



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 note the following:

- Users can now opt out of receiving general or harvester warning notifications. By default the upgrade enables both types of messages for all users, maintaining the status quo under WCT 1.1.
- The new Prune Tool contains more information about the HTTP response codes from the harvest. All old harvests will show a response code of 200 (HTTP OK) for all resources. Harvests started after the upgrade will have the response codes as found during the harvest.
- WCT v1.2 maintains a copy of a target's seeds (and SIP) as at the time the harvest was started. This ensures that the Target Instance browse tool will identify the correct seeds even if it's originating Target is changed. For Harvests captured prior to version 1.2 the Web Curator Tool does not have the historical information and will fall back to the seeds as given in the originating Target.