



Backup and Restore Instructions

This document describes how to backup and restore Scala InfoChannel Content Manager 5 using the PostgreSQL 8.2.x.

Backing up the Content Manager's Data

Step 1: Stopping Apache Tomcat and InfoChannel Transmission Server services:

Since the backup process is not an integrated part of Content Manager, the Apache Tomcat and InfoChannel Transmission Server services have to be stopped first.. Go to Start -> Control Panel then double-click on Administrative Tools. Double-click on Services, then find the Apache Tomcat service. Right-click and select Stop. Wait for the service to stop completely. Find the Scala InfoChannel Transmission Server service. Right-click and select Stop. Wait for the service to stop completely before moving to the next step.

Step 2: Backing up the data files:

All data files must be backed up. By default, the location of this directory is: C:\Documents and Settings\All Users\Application data\Scala\InfoChannel Content Manager 5\Data If your data location differs the one listed above, you can find the location in Content Manager under Settings-> Server Settings-> System Paths frame-> Data root. You should backup all files, folders and subfolders from this directory except the folder WEB-INF.

Step 3: Backing up the configuration files:

The following configuration files must be backed up. By default, the location of this directory is: C:\Documents and Settings\All Users\Application data\Scala\InfoChannel Content Manager 5 You must backup these files and folders/subfolder within:

- Conf – All files and subfolders
- License – All files and subfolder
- Logs – Not necessary, but you might want to keep the log files
- SavedValues – All files and subfolders
- license.xml – The license file

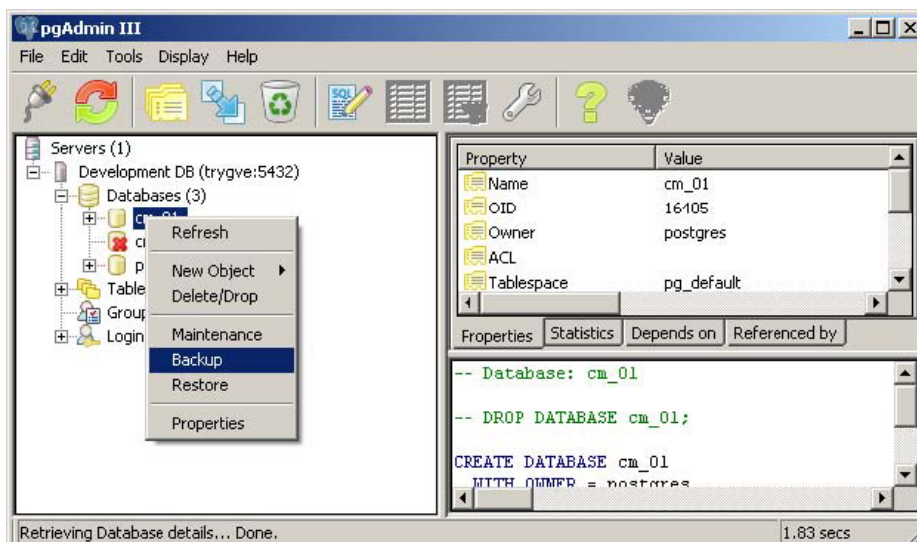
Note: The default location of the data files exists in the same location as the configuration files. So if you are using the InfoChannel Content Manager 5 installation default values, you can combine step 1 and step 2. You must also backup the configuration files for the InfoChannel Transmission Server. By

default, the location of this directory is: C:\Documents and Settings\All Users\Application data\Scala\InfoChannel Transmission Server 5 All files and subfolders should be backed up.

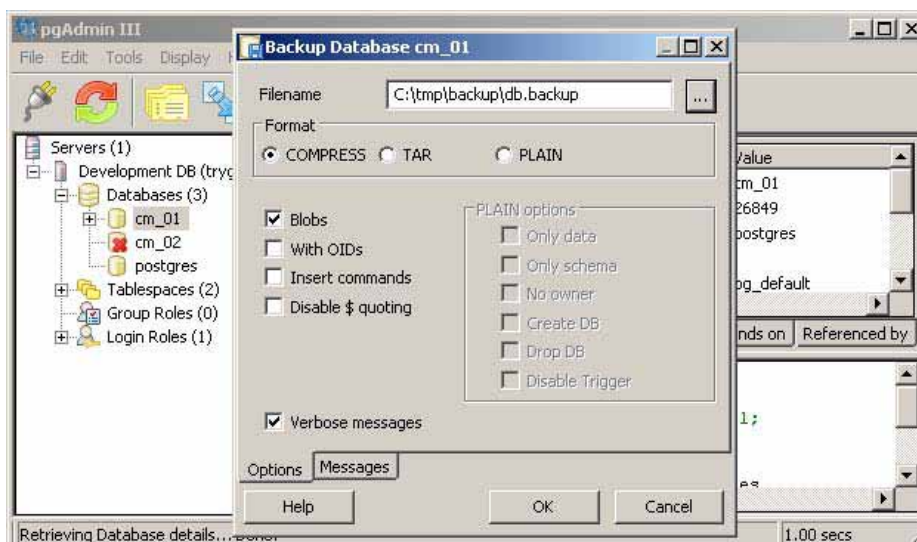
Step 4: Backing up the database:

Backing up the PostgreSQL database is performed by either using the pgAdmin tool or the command line tool pg_dump.exe. A detailed explanation of the procedure using the pgAdmin tool follows as well as a short example of pg_dump.exe usage. The following steps illustrate the step-by-step process of performing a backup of a PostgreSQL database schema cm_01. Note: There is a significant performance increase in running pgAdmin from the same computer that the PostgreSQL database server is running on.

1. Select database schema to backupOpen pgAdmin by navigating to Start -> Programs- > PostgreSQL 8.2 -> pgAdmin. Connect to your database server using the same Username and Password you entered when you installed InfoChannel Content Manager 5. Select the database schema you want to backup, then right-click and select Backup.



2. Set the backup optionsIn the backup dialog, choose a path and filename for the backup file, and press OK to start the backup.



3. Verify the result Wait for the backup process to finish, and verify that the final message is Process returned exit code 0. If the exit code is different, this means that the backup was not successful. Using command line You may choose to use the command line tool pg_dump.exe to backup the database. To create the same backup as shown above, execute the following command: pg_dump --format=custom --compress=5 -U postgres -W cm_01 > C:\tmp\backup\db.backup Please refer to the PostgreSQL manual for more details when using the command line tools.



Using command line:

You may choose to use the command line tool pg_dump.exe to backup the database. To create the same backup as shown above, execute the following command: pg_dump --format=custom --compress=5 -U postgres -W cm_01 > C:\tmp\backup\db.backup Please refer to the PostgreSQL manual for more details when using the command line tools.

Step 5 – Start Apache Tomcat and InfoChannel Transmission Server services:

The backup process is now complete. You can start Apache Tomcat and Scala InfoChannel Transmission Server services.109 Chapter 5 Backup and Restore Instructions Go to Start -> Control Panel then double-click on Administrative Tools. Double-click on Services, then find the Apache Tomcat service. Right-click and select Start. Wait for the service to start completely. Find the Scala InfoChannel Transmission Server service. Right-click and select Start. Wait for the service to start completely. You can now access InfoChannel Content Manager 5.

End of Backup procedure.

Restoring Content Manager's data

By following the steps below, you can restore your InfoChannel Content Manager data 5 from a backup. There are many reasons for performing a restore. For example: you are recovering from a system crash (data loss) or reverting changes to the data.

Step 1:

Perform a new install If you're restoring to a system that already has InfoChannel Content Manager 5 installed, you must uninstall it first. Then you must delete its data and configuration files directories. You will also have to delete the configuration files directory for the InfoChannel Transmission Server. Once completed, install the version of InfoChannel Content Manager that matches the one you have backup data for. At the end of the installation the installer will automatically open the welcome page in the browser for you. DO NOT configure Content Manager! Instead, close the browser.

Step 2:

Stop Apache Tomcat and InfoChannel Transmission Server services The installer automatically starts Apache Tomcat and the Scala InfoChannel Transmission Server services, so you must stop them before proceeding with the restore process. Go to Start -> Control Panel then double-click on Administrative Tools. Double-click on Services, then find the Apache Tomcat service. Right-click and select Stop. Wait for the service to stop completely. Find the Scala InfoChannel Transmission Server service. Right-click and select 110 Chapter 5 Backup and Restore Instructions Stop. Wait for the service to stop completely before moving to the next step.

Step 3:

Restore the data files Restore the data files from the backup location to the data files directory. There should only be one folder, WEB-INF, in the data directory prior to restoring.

Step 4:

Restore the configuration files Restore the configuration files from the backup location to the configuration files directory. Some files are automatically created when Apache Tomcat was started by the installer, and must be overwritten when restoring. You must also restore the Transmission Server configuration files. When restoring these files, existing files must be overwritten.

Step 5:

Restore the database Depending on the type of database server you are using, a different set of instructions are required in order to restore the InfoChannel Content Manager 5 database.

As with the backup process, pgAdmin is used to restore the database.

1. Delete existing database schema If the database schema you're restoring already exists, you must first delete it. Open pgAdmin by navigating to Start -> Programs -> PostgreSQL 8.2 -> pgAdmin. Connect to your database server using the same Username and Password you entered when you installed InfoChannel Content Manager 5. Select the database

schema you want to delete, then right-click and select Delete/Drop. In the Drop Database? dialog, click Yes.

2. Create an empty database schema Select Databases, then click Edit -> New Object -> New Database. Type the database schema name you want to restore. Make sure the encoding is set to UTF-8. Click OK.

3. Delete the plpgsql language The plpgsql language must be deleted. Select the database you just created, and expand it. Then expand the Languages entry. Select plpgsql then right click and select Delete/Drop. In the Drop Language? dialog, click Yes.

4. Restore the database tables and data You can now restore the tables and data. Select the database, right click, and choose Restore. In the resulting dialog box, choose the database backup file that was created. If you backed up the database using specific options, you must change the restore options accordingly. Otherwise the defaults are okay.

5. Verify the result Wait for the restore process to finish, and verify that the final message is Process returned exit code 0. If a different exit code is shown, it indicates that some part of the restore process has failed. Using command line You may choose to use the command line tool pg_restore.exe to restore the database. To restore a backup, execute the following command: `pg_restore --dbname=cm_01 --format=custom -U postgres -W C:\tmp\db.backup` Please refer to the PostgreSQL manual for more details on the command line tools.

Step 6:

Start Apache Tomcat and InfoChannel Transmission Server services The restore process is now complete. You can start Apache Tomcat and InfoChannel Transmission Server services. Go to Start -> Control Panel then double-click on Administrative Tools. Double-click on Services, then find the Apache Tomcat service. Right-click and select Start. Wait for the service to start completely. Find the Scala InfoChannel Transmission Server service. Right-click and select Start. Wait for the service to start completely. 127 Chapter 5 Backup and Restore Instructions You can now access InfoChannel Content Manager 5.