

Using FileStoreProvider with SecureFiles

This brief document outlines the steps needed to configure `FileStoreProvider` to leverage SecureFiles in Oracle 11g database.

NOTE: This configuration change is only necessary if you installed and activated the `FileStoreProvider` component prior to installing Core Update Component Build 104 or Update Bundle Component Build 12. Later versions of `FileStoreProvider` automatically detect if SecureFiles is supported in the database and, if so, create the `filestorage` table with Secure LOBs as opposed to Basic LOBs.

If you're using UCM 10.1.3, you can configure Oracle UCM to leverage SecureFiles technology as follows:

1. On your Content Server instance, install and enable the `FileStoreProvider` component.
2. Configure `FileStoreProvider` to create a JDBC storage rule as desired.
3. Upon restart of Content Server, `FileStoreProvider` will create the table to store files.
4. Log into the database instance for Content Server
5. Drop the `filestorage` table created by `FileStoreProvider` (which uses Basic LOBs)
6. Recreate the `filestorage` table to leverage SecureFiles. Here is a *sample* CREATE script:

```
CREATE TABLE filestorage (  
  DID number(38),  
  DRENDITIONID VARCHAR2(30),  
  DLASTMODIFIED TIMESTAMP(6),  
  DFILESIZE NUMBER(38),  
  DISDELETED VARCHAR2(1),  
  BFILEDATA BLOB,  
  CONSTRAINT PK_FILESTORAGE  
  PRIMARY KEY (DID, DRENDITIONID)) LOB(BFILEDATA) STORE AS SECUREFILE  
  TABLESPACE <YOUR TABLESPACE NAME>;
```

7. That's it!

You can leverage other SecureFiles capabilities like compression, deduplication and encryption by setting the appropriate flags in the CREATE TABLE script. Additional information about SecureFiles technology can be found on OTN at <http://www.oracle.com/technology/products/database/securefiles/index.html>.