

Index Management

The Ad Hoc Cube uses a set of file indexes to support the cube generation. Here is some information relating to the index files.

Creation

Indexes are created by Administrator only and the location is defined by the cube file itself.

A folder, using the name of the fact table, will contain subfolders according to the dimension tables defined.

The subfolder in turn contains *.idx files which are the unique values in the dimension table itself.

Occasionally you will notice that there are zero byte files created. This indicates that the fact table does not contain any records of that particular value in the dimension table.

Statistics

Once the index building process is completed, a **table.xml** file is created. The file will show the history of the index build, including the total number of records read etc.

Schedule Index

The index can be build/re-build/update/delete via REST API. To schedule any of the above operations, create a Repertoire Job which includes an ANT Task to issue a HTTP POST request.

A sample on how this can be done is as follows:

1. Download [AdHocCubeIndex.jar](#) and include this in your **/ext** folder of the Repertoire Server.
2. Download [Schedule_Index.zip](#) and place in your environment settings in **build.xml**.
3. Ensure that you set the fileset dir variable to <Your Repertoire Server lib folder location> in "build.xml". For example:

```
<fileset dir="C:\Applications\Repertoire\Repertoire-Server-20091218\RepertoireServer\lib">
```

4. Once this is completed, you should now be able to create a datasource containing information about:
 - host | port | user | pass | url | mode
 - 192.168.1.1 | 8080 | admin | sa | /ElixirSamples/<path to my cube file>/ | index-build
 - 192.168.1.1 | 8080 | admin | sa | /ElixirSamples/<path to my cube file>/ | index-update

5. You can now loop through a datasource to generate the indexes.
6. You can now also schedule the job via a trigger.