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> QuickSTART

SuperSTAR 8.0 GA Suite - with Access (Summary Sheet)

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Space-Time Research

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QuickSTART with Access

Video with Summary Sheet

This is a brief summary sheet that covers the key steps taken in our video “SuperSTAR 8.0 GA Suite - Quickstart with Access (Video)”. The aim is for you to:

- Watch the video and follow along with this Summary Sheet
- Use this Sheet to then perform your own Access data imports, either with our supplied Access data or your own.

Requirements and Prerequisites

The following are required in order to work with this guide:

- SuperSTAR Core is installed
- Microsoft Excel is present (64 bit Office)
- Microsoft data access drivers are installed (64 bit drivers)

The Microsoft Access drivers can be found at:

<http://www.microsoft.com/en-us/download/details.aspx?id=13255>

Goals and Steps



The goal of this tutorial is to take an Access database and turn it into a usable SuperSTAR database. You can then analyse that database’s information using SuperWEB2 (via your Web Browser) or SuperCROSS (the desktop PC client).

We will be using our database building tool - *SuperCHANNEL*- to transform our Access database into a SuperSTAR database.

We are going to perform the following steps:

- 1) Create an ODBC driver to point to our Access database
- 2) Use SuperCHANNEL to create a SuperSTAR database
- 3) Register the new SuperSTAR database with our database server, SuperADMIN
- 4) Query the database using SuperCROSS and SuperWEB2

The Steps

-  Firstly, if you haven't already, navigate to the *STR_Assist* folder in C:\Program Files\STR and open the *Quickstart with Access* video. When ready you can play this video.
-  The Access file we are using is in the *STR_Assist* folder in C:\Program Files\STR and is called *cenus.accdb*

Step 1: From within the Windows ODBC interface, create a new datasource, using the Access driver. Give this datasource a **name**, and point to the Access database file.

Step 2: From the Windows Start Bar, open SuperCHANNEL.

Connect the source panel to the ODBC datasource using the following URL:

```
jdbc:odbc:<data source name>
```

Connect the target panel to a new Superstar database using the following URL:

```
jdbc:sxv4:<path and filename>
```

Step 3: Map the source tables to the target tables.

From the source panel drag the 'people' table to the Facts in the target panel, and drag the other 4 tables in the source to the Classifications in the target panel.

We now need to link the tables together. Expand the *People* fact table to show its fields.

Right click on the '*religion*' field, select **Create Reference**, double click on the *Religion* classification table, and then double click again on the code field in the religion table.

Repeat for the '*sex*', '*type*' and '*birthplace*' fields.

Make sure the '*code*' field of each classification is set to a usage of **Code** in the attributes panel, and the '*description*' field is set to a usage type of **Name**.

Step 4: Save the project. Click the **build** button to create the SuperSTAR database.

Step 5: Run the SuperADMIN Console to register the database.

From the Windows start bar open the SuperADMIN Console.

When the console opens, type in: **login user1 user1**

Now register the database using the following command:

```
cat adddb census "People Census" c:\temp\census-access.sxv4 localhost
```

Substitute *c:\temp\census.sxv4* with your own path and filename.

Type *'quit'* to exit the console.

Step 6a: Perform a crosstab in SuperWEB.

Open a web browser and access SuperWEB at the following URL:

```
http://localhost:8080/webapi
```

The login credentials are: **user1** and **user1**

Double click on the *'People Census'* database in the left hand side navigation.

Add one of the fields to the rows, and one to the columns. Then click *Retrieve Data*. You should see the imported Access data live on your SuperWEB2 screen.

Step 6b: Perform a crosstab in SuperCROSS.

From the Windows start bar open SuperCROSS.

In the SuperCROSS catalog screen, expand *'SuperSTAR Database Server'*, and *double click* on *'People Census'*.

In the *Fields* window, expand the *people* entry, and drag two of the fields into the workspace.

Now click the *'Go'* button in the toolbar. You should see the imported Access data live on your SuperCROSS screen

You have now competed this QuickSTART.

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