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> QuickSTART

SuperSTAR Suite 8.0 GA - with Excel (Summary Sheet)

Version 1.0

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Space-Time Research

QuickSTART with Excel – Summary Sheet

Video with Summary Sheet Concept

This is a brief summary sheet that covers the key steps done in our video “SuperSTAR 8.0 GA Suite - Quickstart with Excel (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 Excel data imports, either with our supplied Excel 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 Overview



The goal of this tutorial is to take an Excel spreadsheet 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 spreadsheet into a SuperSTAR database.

We are going to perform the following steps:

- 1) Prepare our spreadsheet
- 2) Create an ODBC connection to point to our sheet
- 3) Use SuperCHANNEL to create a SuperSTAR database
- 4) Register the new database with our database server, SuperADMIN
- 5) Access 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 SuperSTAR 8.0 GA suite - *Quickstart with Excel (Video)* screencast. When ready you can play this video.
-  The Excel file we are using is in the *STR_Assist* folder in C:\Program Files\STR and is called *census.xls*

Step 1: We need to create **named ranges** in Excel that represent the sets of cells we are interested in. Select a set of cells, and in the top left of the formula bar, enter a **name** for the set.

Step 2: From within the Windows ODBC interface, create a new datasource, using the Excel driver. Give this datasource a **name**, and point to the Excel sheet.

Step 3: From the Window 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 4: 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.

Then 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 5: Save the project. Click the **build** button to create the SuperSTAR database.

Step 6: 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.sxv4 localhost
```

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

Type *'quit'* to exit the console.

Step 7a: Perform a crosstab in SuperWEB2.

Access SuperWEB2 in your browser 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 Excel data live on your SuperWEB2 screen.

Step 7b: 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 Excel data live on your SuperCROSS screen

You have now completed this QuickSTART.

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