

Dashboard Administration

- Module 1: Dashboard Overview
- Module 2: Dashboard Architecture
- Module 3: Dashboard Installation
- Module 4: Dashboard Operation and Customizations
- Module 5: SoDA / File Agent Basics
- Module 6: SoDA Agent Customizations
- Module 7: CSV Tool Basics and Operations
- Module 8: Dashboard API
- **Module 9: Dashboard Administration**



Learning Objectives

- ↖ **When you complete this module, you should be able to**
 - Perform User Administration
 - Manually create data hierarchies
 - Maintain hierarchy state tables
 - Manually enter planned/threshold data
 - Override previously entered data
 - Query data stored in the database
 - Import CSV data



User Administration

The screenshot shows a 'User Administration' dialog box with two main sections: 'Users' and 'Groups'. The 'Users' section contains a table with columns 'Login', 'User Name', 'Email', and 'Description'. The 'Groups' section contains a table with columns 'Name' and 'Description'. Both sections have 'Add...', 'Edit...', and 'Remove' buttons. An 'OK' button is at the bottom right.

Login	User Name	Email	Description
admin			
jdoo	John Doe	jdoo@companyn	Project Manager

Name	Description
Administrators	Administrators
Backup Operators	Backup Operators
Program Managers	Program Managers

User name list

Group name list

Add a new user

Edit user information

Remove a user

Add a new group

Edit group information

Remove a group

Group Information (Add/Edit)

Group Information

Name:

Description:

OK Cancel

Enter group name

Enter group description

User Information (Add/Edit)

User Login Information

General

Login:

Password: Confirm Password:

Full Name:

Email:

Phone:

Description:

Group Subscriptions

Subscribed:

Not Subscribed:

<-Add

Remove->

OK Cancel Help

Enter/edit
User
Information

Subscribe to a
group by
selecting from
the **Not
Subscribed** list
and pressing the
Add button

Unsubscribe a
group by
selecting from
the **Subscribed**
list and
pressing the
Remove
button



Hierarchy Functions

The screenshot displays the SPCP Admin Tool interface with several key components and callouts:

- Hierarchy List:** A table at the top left showing a list of hierarchies. A context menu is open over it, with options: Edit, View Hierarchy Tree, Save All Hierarchies, Load All Hierarchies, New, Delete, and Rename. A callout box labeled "Load/Save all hierarchies (must be done first)" points to the "Save All Hierarchies" and "Load All Hierarchies" options.
- Create a new hierarchy:** A callout box points to the "New" option in the context menu.
- Remove a hierarchy:** A callout box points to the "Delete" option in the context menu.
- Hierarchy Tree View:** A tree view on the left showing a hierarchy starting with "Classes", followed by "Rose", "Logical View", "Business Domain", "Product", "ProductCategory", "Catalog", "StoreInfo", "Point Of Sale", "Transaction Processing Services", "Use Case View", and "PointOfSale". A callout box labeled "Hierarchy View of the selected project" points to this tree.
- Artifacts for Selected Node:** A panel on the right showing "Classes" and "Operations". A callout box labeled "Artifacts defined for selected node" points to this panel.
- Messages:** A panel at the bottom right, currently empty. A callout box labeled "Messages" points to this panel.
- Close Button:** A "Close" button is located at the bottom right of the window.

Hierarchy Functions

The screenshot displays the 'Admin Tool' window with the following components and callouts:

- Hierarchy List:** A table listing 'JDI_CM' and 'Dashboard'. A context menu is open over 'Dashboard' with options: 'Edit', 'View Hierarchy Tree', 'Save All Hierarchies', 'Load All Hierarchies', 'New', 'Delete', and 'Rename'.
 - Callout: 'Create new hierarchy' (points to 'New')
 - Callout: 'Create new hierarchy' (points to 'Delete')
- Hierarchy Tree View:** A tree structure showing 'Dashboard' as the root, with children 'Server', 'SpccDatabase', 'Client', and 'AdminTool'.
 - Callout: 'Add new child to selected node' (points to 'Server')
 - Callout: 'Add new sibling to selected node.' (points to 'SpccDatabase')
 - Callout: 'Remove node from tree' (points to 'Client')
 - Callout: 'Export tree view to CSV file' (points to 'AdminTool')
- Context Menu (over 'Server'):** Options include 'Add Child', 'Add Sibling', 'Add Parent', 'Delete Selected Node', 'Save to Database', 'Add Metrics', and 'Export Tree to CSV'.
 - Callout: 'Save edits to database' (points to 'Save to Database')
 - Callout: 'Define metric value for selected node' (points to 'Add Metrics')
- Artifacts for Selected Node:** A panel titled 'Classes' containing 'SLOC'.
- Status Bar:** Displays 'Mon Apr 19 12:10:05 PDT 1999 Hierarchies loaded' and a 'Close' button.

Add Metric Value

Select artifact
(or add a new
one)

Set Start/End
data (optional)

Set metric
values

Enter Metric Data

Qualifiers: Dashboard:AdminTool

Artifact: Classes

Start Date: 4/1/1999 Set Start Date

End Date: Set End Date

Event:

Metric Values

Low:

Planned:

High:

Actual: 30

Repeat Data Interval

Start Date Only

Daily

Monthly

Yearly

Weight: 0 0 100

State: 0

Delta: 0

Commit Apply Cancel

Set repeat
interval

Not used in this
version of the
Dashboard.
(Future
enhancement)

State Type Metrics

Select project or hierarchy

Name	Domain
Risk	ReqPro
DefectState	ClearQuest
DefectSeverity	ClearQuest

Selected State:

DefectState ClearQuest

Values for Selected State

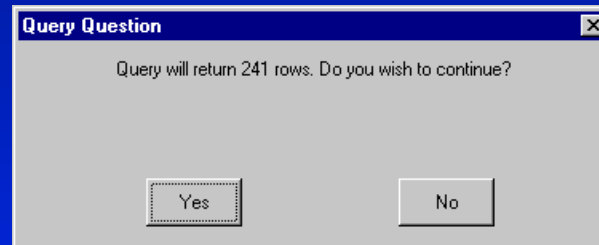
- DefectState:Resolved
- DefectState:Open
- DefectState:Submitted
- DefectState:Closed

Lists state type metrics for project

List values for the selected state type metric

Query Results Confirmation Dialog

- When more than 100 rows are returned by the query, a confirmation dialog will pop up giving the user the option to continue and display the results or cancel the query



Query Results

Project	Hierarchy	Threshold	Artifact	Event	Date	Weight	State	Delta	Metric
Classics	Classics:Ros	Actual	Classes		4/14/1999	0.0	0.0	3.0	3.0
Classics	Classics:Ros	Actual	Classes		4/14/1999	0.0	0.0	1.0	4.0
Classics	Classics:Ros	Actual	Classes		4/14/1999	0.0	0.0	9.0	13.0
Classics	Classics:Ros	Actual	Classes		4/14/1999	0.0	0.0	-12.0	1.0
Classics	Classics:CQI	Actual	Defect:Closer		4/14/1999	0.0	0.0	0.0	0.0
Classics	Classics:CQI	Actual	Defect:Closer		4/14/1999	0.0	0.0	0.0	0.0
Classics	Classics:CQI	Actual	Defect:Closer		4/14/1999	0.0	0.0	0.0	0.0
Classics	Classics:CQI	Actual	Defect:Closer		4/14/1999	0.0	0.0	0.0	0.0
Classics	Classics:CQI	Actual	Defect:Closer		4/14/1999	0.0	0.0	0.0	0.0
Classics	Classics:CQI	Actual	Defect:Closer		4/14/1999	0.0	0.0	0.0	0.0
Classics	Classics:CQI	Actual	Defect:Closer		4/14/1999	0.0	0.0	0.0	0.0
Classics	Classics:CQI	Actual	Defect:Closer		4/14/1999	0.0	0.0	0.0	0.0
Classics	Classics:CQI	Actual	Defect:Closer		4/14/1999	0.0	0.0	0.0	0.0
Classics	Classics:CQI	Actual	Defect:Closer		4/14/1999	0.0	0.0	0.0	0.0
Classics	Classics:CQI	Actual	Defect:Closer		4/14/1999	0.0	0.0	0.0	0.0
Classics	Classics:CQI	Actual	Defect:Closer		4/14/1999	0.0	0.0	0.0	0.0
Classics	Classics:CQI	Actual	Defect:Closer		4/14/1999	0.0	0.0	0.0	0.0
Classics	Classics:CQI	Actual	Defect:Closer		4/14/1999	0.0	0.0	0.0	0.0
Classics	Classics:CQI	Actual	Defect:Closer		4/14/1999	0.0	0.0	0.0	0.0
Classics	Classics:CQI	Actual	Defect:Closer		4/14/1999	0.0	0.0	0.0	0.0
Classics	Classics:CQI	Actual	Defect:Closer		4/14/1999	0.0	0.0	0.0	0.0
Classics	Classics:CQI	Actual	Defect:Closer		4/14/1999	0.0	0.0	0.0	0.0
Classics	Classics:CQI	Actual	Defect:Closer		4/14/1999	0.0	0.0	0.0	0.0

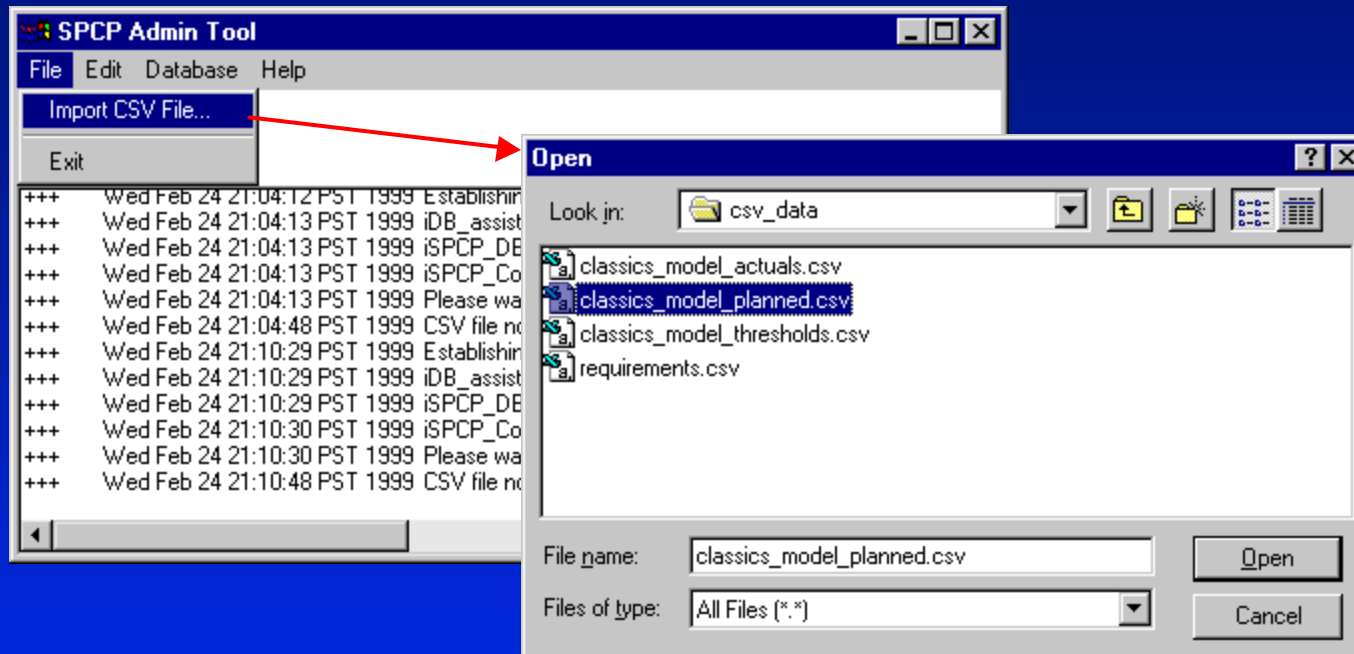
Show next 100 rows

Show previous 100 rows

NOTE: When Archiving and Deleting data , the action is performed on the entire query results - not just on what is shown on the screen



Importing Data



Admin Tool Summary

- ↳ **The Admin Tool is used to perform database administration functions**
 - Manage usernames/passwords, groups, and group privileges
 - Add/remove projects
 - Add/remove hierarchies
 - Maintain artifact state tables
 - Add/delete metrics and artifacts (actual, plan, threshold)
 - Import and export data
 - Dynamic queries



Lab 9: Admin Tool

- This set of exercises helps familiarize you with using the Admin Tool
 - *Lab 9.1: Create a new group, a new user, and define a user's group privileges*
 - *Lab 9.2: Create your own project hierarchy view*
 - *Lab 9.3: Add metric data to the created project*
 - *Lab 9.4: Query results*
 - *Lab 9.5: Archive data*
 - *Lab 9.6: Delete data*
 - *Lab 9.7: Import data*



Lab 9.1: User Administration

- ↖ Create a new group
 - **Login into the AdminTool as user "admin"**
 - **Bring up the User Administration Dialog (Tools->User Administration...)**
 - **Add a new group, "Test"**
- ↖ Create a new user
 - **From the User Administration dialog, add a new user and subscribe the user to the Test group**
- ↖ Extra Credit:
 - **Modify an existing user's information (phone number, description)**
 - **Modify an existing user's group subscription (privileges)**



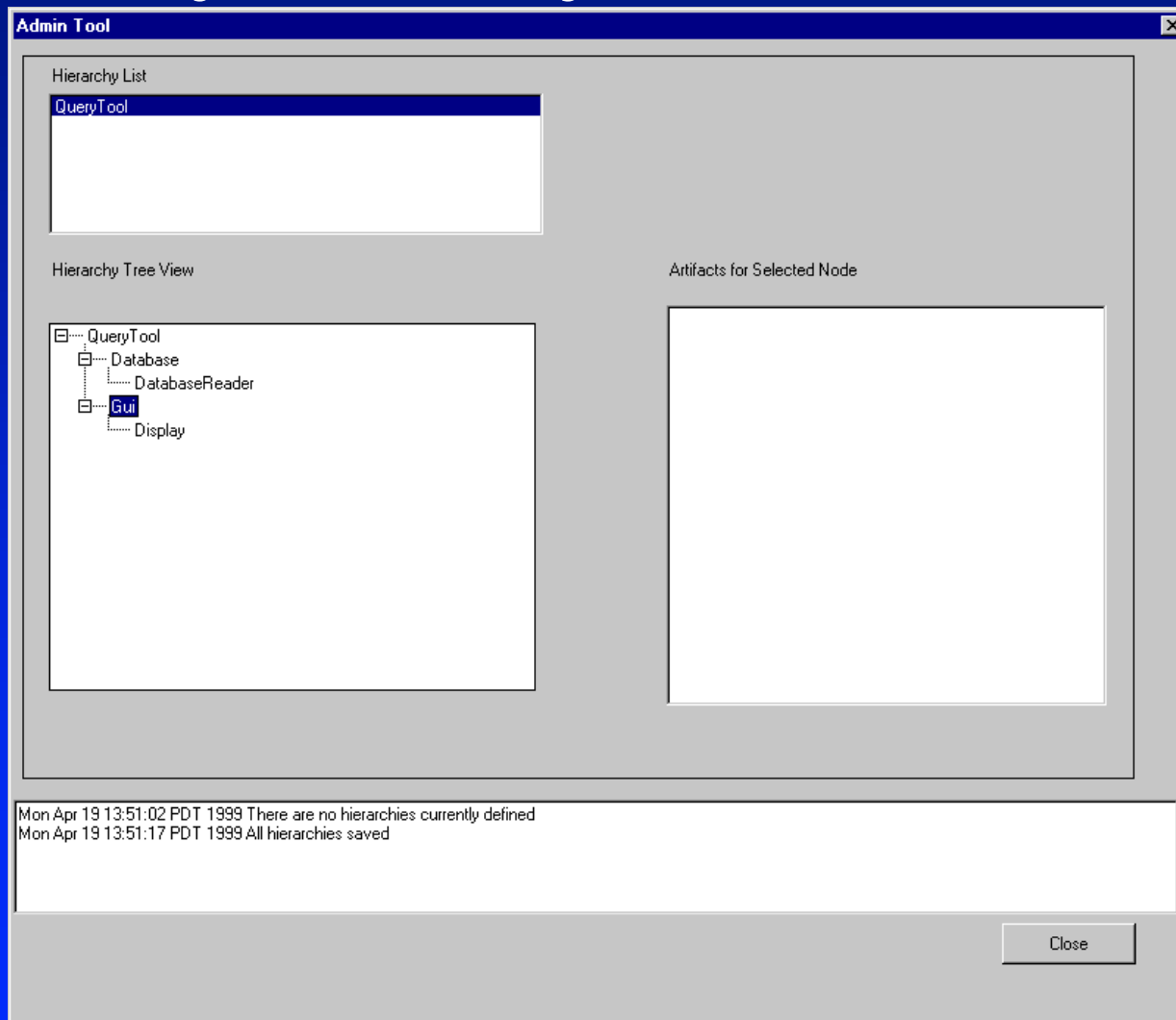
Lab 9.2: Create Your Own Project Hierarchy View

↳ Create Project hierarchy

- Log into the AdminTool as admin user
- Bring up the Hierarchy Dialog (Edit->Hierarchies...)
- Add a new hierarchy (popup menu in the Hierarchy List window)
 - Name node *QueryTool*
- Add a child node to *QueryTool*.
 - Name node *Database*
- Add a child node to *Database*
 - Name node *DatabaseReader*
- Add a silbling node to *Database*.
 - Name node *Gui*
- Add a child node to *Gui*
 - Name node *Display*
- Save the *QueryTool* hierarchy (popup menu in the Hierarchy Tree View window)

Lab 9.2: Create Your Own Project Hierarchy View

↩ Your QueryTool hierarchy should look like:



Lab 9.3: Add Metric Data to the Created Project (DatabaseReader module)

↩ Select *DatabaseReader* node and right-click popup menu select *Add Metrics...*

- Type in *SLOC* for Artifact name
- Set start date to *4/1/1999* using the Calendar dialog (press **Set Start Date** button)
- Type in *150* for Actual metric value
- Select **Start Date Only**
- Press **Commit**

The screenshot shows the 'Enter Metric Data' dialog box with the following fields and controls:

- Qualifiers: QueryTool:Database:DatabaseReader:
- Artifact: SLOC
- Start Date: 4/1/1999 (with 'Set Start Date' button)
- End Date: (with 'Set End Date' button)
- Event: (empty field)
- Metric Values section:
 - Low: (empty field)
 - Planned: (empty field)
 - High: (empty field)
 - Actual: 150
- Repeat Data Interval:
 - Start Date Only
 - Daily
 - Monthly
 - Yearly
- Weight: 0 (with a slider from 0 to 100)
- State: 0
- Delta: 0
- Buttons: Commit, Apply, Cancel

Red arrows point from the text instructions to the following elements in the dialog:

- Artifact field (SLOC)
- Start Date field (4/1/1999)
- Set Start Date button
- Actual field (150)
- Start Date Only radio button
- Commit button

Lab 9.3: Add Metric Data to the Created Project (Display module)

↩ Select *Display* node and right-click popup menu select *Add Metrics...*

- Type in *SLOC* for Artifact name
- Set start date to *4/1/1999* using the Calendar dialog (press **Set Start Date** button)
- Type in *200* for Actual metric value
- Select **Start Date Only**
- Press **Commit**

The screenshot shows the 'Enter Metric Data' dialog box with the following fields and controls:

- Qualifiers: QueryTool:Database:DatabaseReader:
- Artifact: SLOC
- Start Date: 4/1/1999 (with 'Set Start Date' button)
- End Date: (with 'Set End Date' button)
- Event: (empty field)
- Metric Values section:
 - Low: (empty field)
 - Planned: (empty field)
 - High: (empty field)
 - Actual: 200
- Repeat Data Interval:
 - Start Date Only
 - Daily
 - Monthly
 - Yearly
- Weight: 0 (with a slider from 0 to 100)
- State: 0
- Delta: 0
- Buttons: Commit, Apply, Cancel

Red arrows point from the text instructions to the following elements in the dialog:

- Artifact field (SLOC)
- Start Date field (4/1/1999)
- Set Start Date button
- Actual field (200)
- Start Date Only radio button
- Commit button

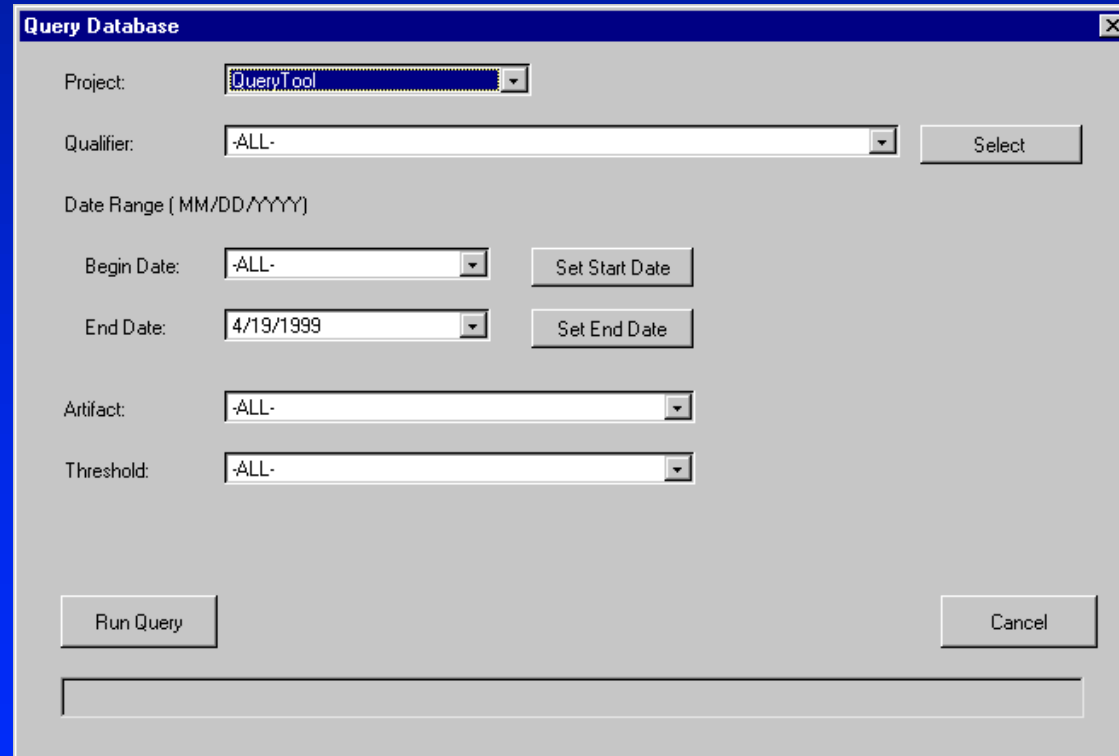
Lab 9.3: View Results using Dashboard Client

- Exit the AdminTool
- Start up Dashboard Client in a browser
- Add Artifact Table to tab panel
- Verify that the SLOC count for *DatabaseReader* and *Gui* are correct.



Lab 9.4: Query Results

- ↳ Log onto the AdminTool as admin user
 - Select *Database->Query...*
 - Select *QueryTool* in Projects pulldown menu
 - Press Run Query



The screenshot shows the 'Query Database' dialog box. It contains the following fields and controls:

- Project:** A dropdown menu with 'QueryTool' selected.
- Qualifier:** A dropdown menu with '-ALL-' selected, and a 'Select' button to its right.
- Date Range (MM/DD/YYYY):**
 - Begin Date:** A dropdown menu with '-ALL-' selected, and a 'Set Start Date' button to its right.
 - End Date:** A dropdown menu with '4/19/1999' selected, and a 'Set End Date' button to its right.
- Artifact:** A dropdown menu with '-ALL-' selected.
- Threshold:** A dropdown menu with '-ALL-' selected.
- Buttons:** 'Run Query' and 'Cancel' buttons at the bottom.
- Text Area:** An empty text area at the bottom of the dialog.

Lab 9.4: Query Results

View Results in the Query Results dialog

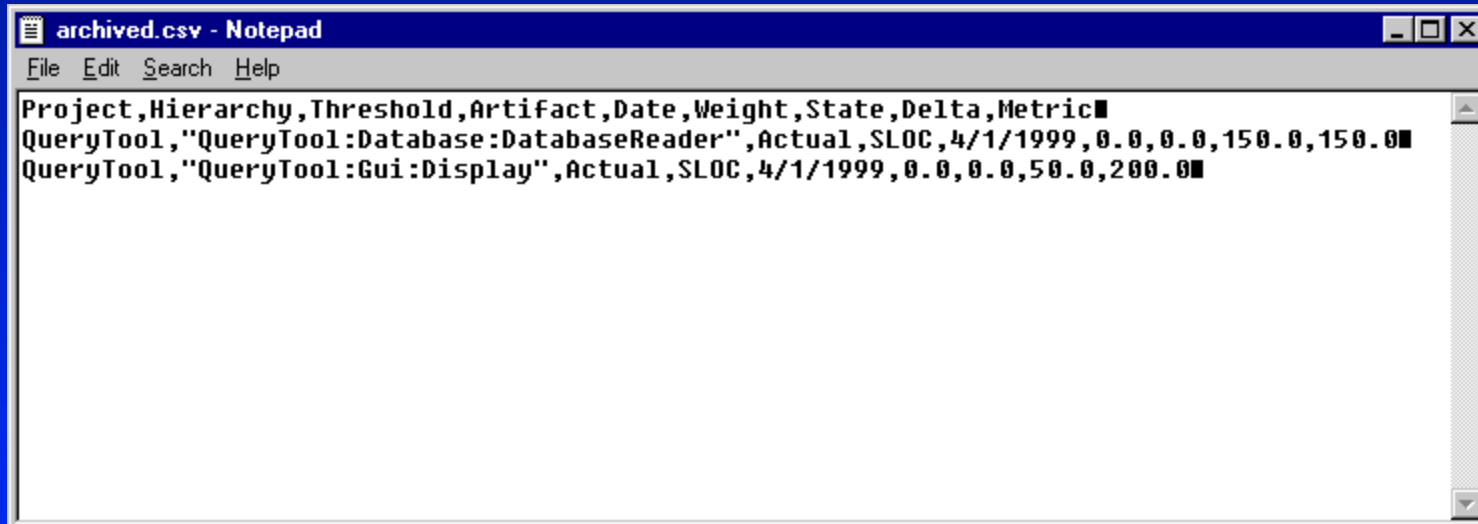
Project	Hierarchy	Threshold	Artifact	Event	Date	Weight	State	Delta	Metric
QueryTool	QueryTool:Da	Actual	SLOC		4/1/1999	0.0	0.0	150.0	150.0
QueryTool	QueryTool:Gu	Actual	SLOC		4/1/1999	0.0	0.0	50.0	200.0

<< Prev Next >> Archive Delete Cancel

0..1 out of 1 displayed

Lab 9.5: Archive Data

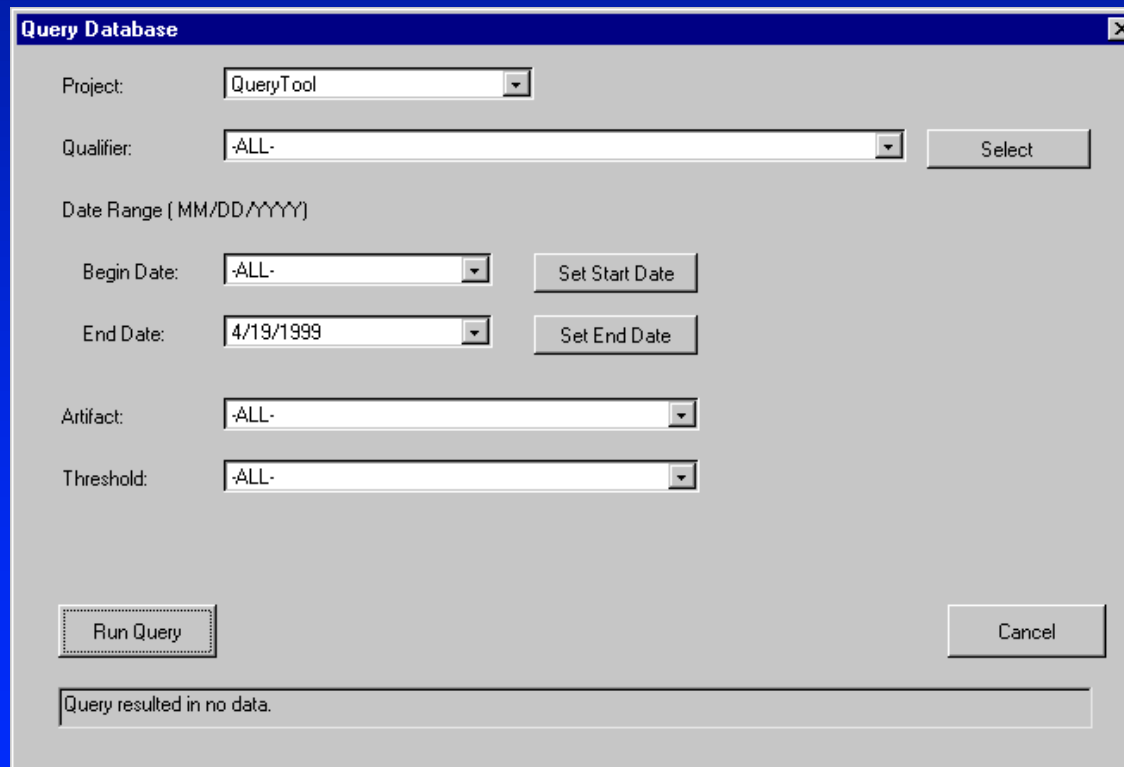
- From the AdminTool Query Results dialog, press the **Archive** button
 - Save the data into *c:\templarchived.csv*
 - View data in *archived.csv* using Windows Notepad.



```
Project,Hierarchy,Threshold,Artifact,Date,Weight,State,Delta,Metric
QueryTool,"QueryTool:Database:DatabaseReader",Actual,SLOC,4/1/1999,0.0,0.0,150.0,150.0
QueryTool,"QueryTool:Gui:Display",Actual,"SLOC,4/1/1999,0.0,0.0,50.0,200.0
```

Lab 9.6: Delete Data

- From the AdminTool Query Results dialog, delete the data by pressing the Delete button
 - Go back to the Query dialog by cancelling out of the Query Results dialog and run the query again.
 - A message “Query resulted in no data” should be displayed

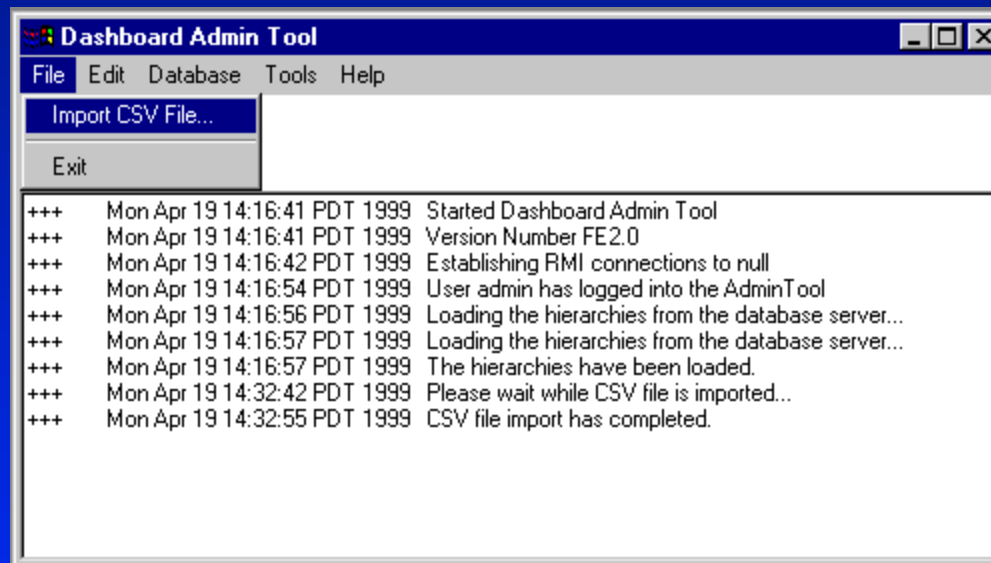


The screenshot shows the 'Query Database' dialog box with the following fields and buttons:

- Project: QueryTool
- Qualifier: -ALL- (with a Select button)
- Date Range (MM/DD/YYYY):
 - Begin Date: -ALL- (with a Set Start Date button)
 - End Date: 4/19/1999 (with a Set End Date button)
- Artifact: -ALL-
- Threshold: -ALL-
- Buttons: Run Query, Cancel
- Message box: Query resulted in no data.

Lab 9.7: Import Data

- ↳ Import the archived data back into the Dashboard
 - From the AdminTool main menu, select File->Import CSV File...



- Import the *c:\templarchived.csv* file
- View results using the Query dialog in the AdminTool