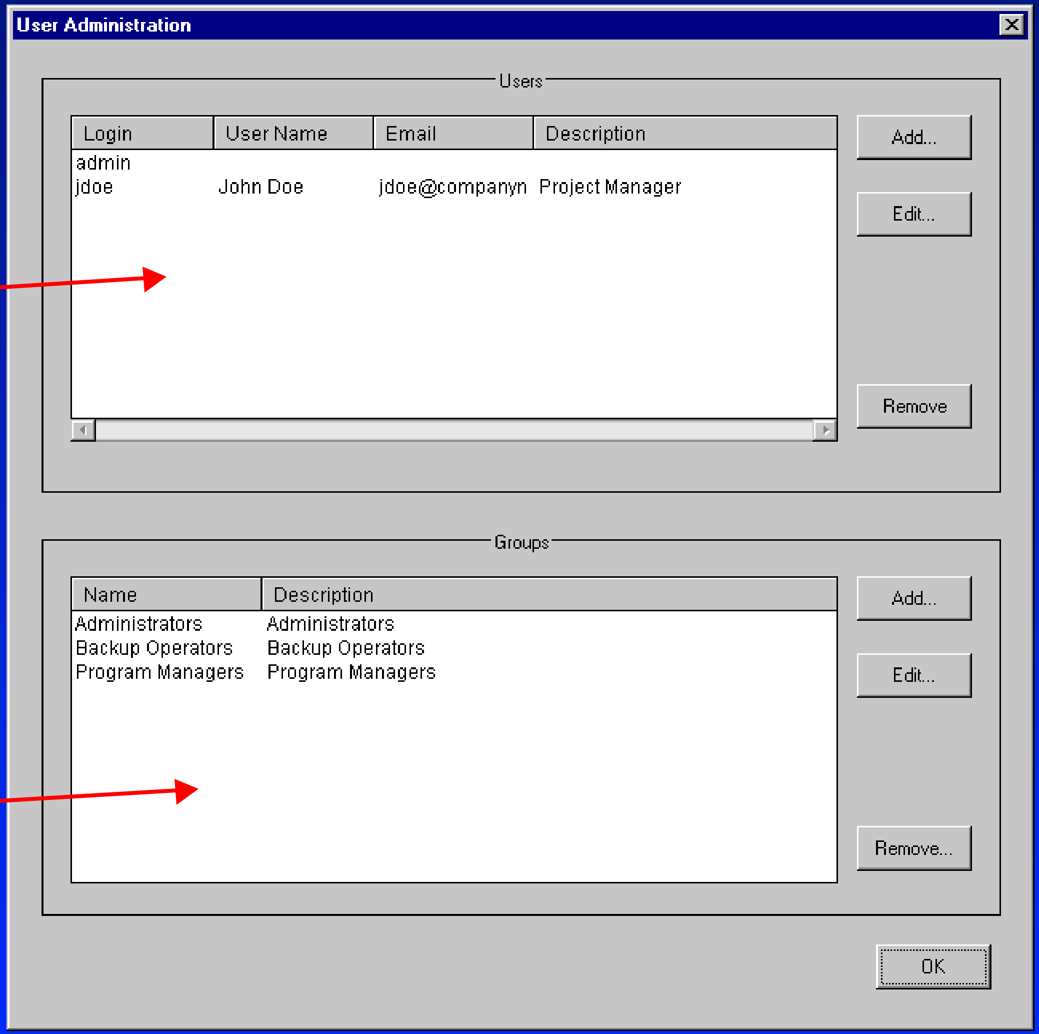
Dashboard Administration

- 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



Add a new user

Edit user information

User name list

Remove a user

Add a new group

Edit group information

Group name list

Remove a group

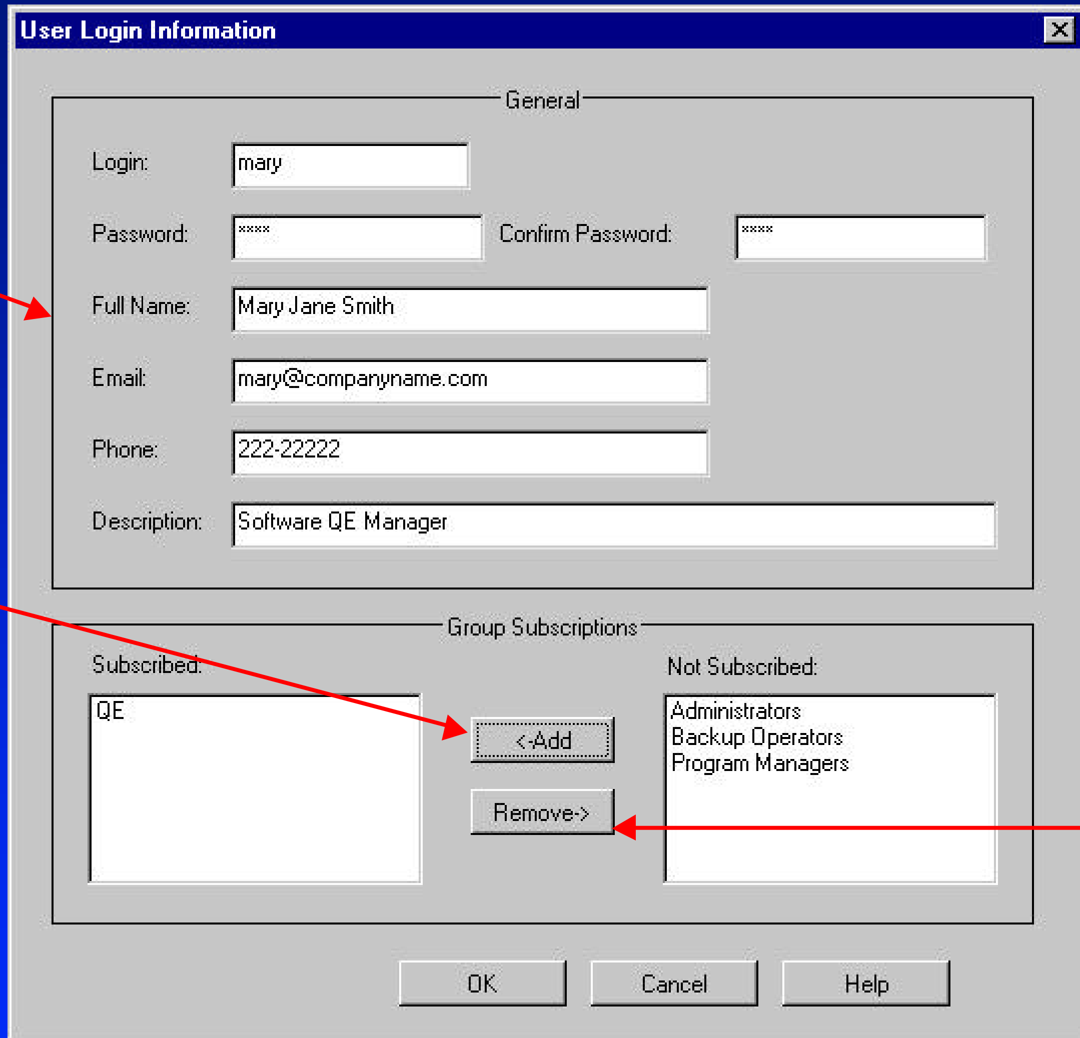
Group Information (Add/Edit)

Enter group name

Enter group description

User Information (Add/Edit)

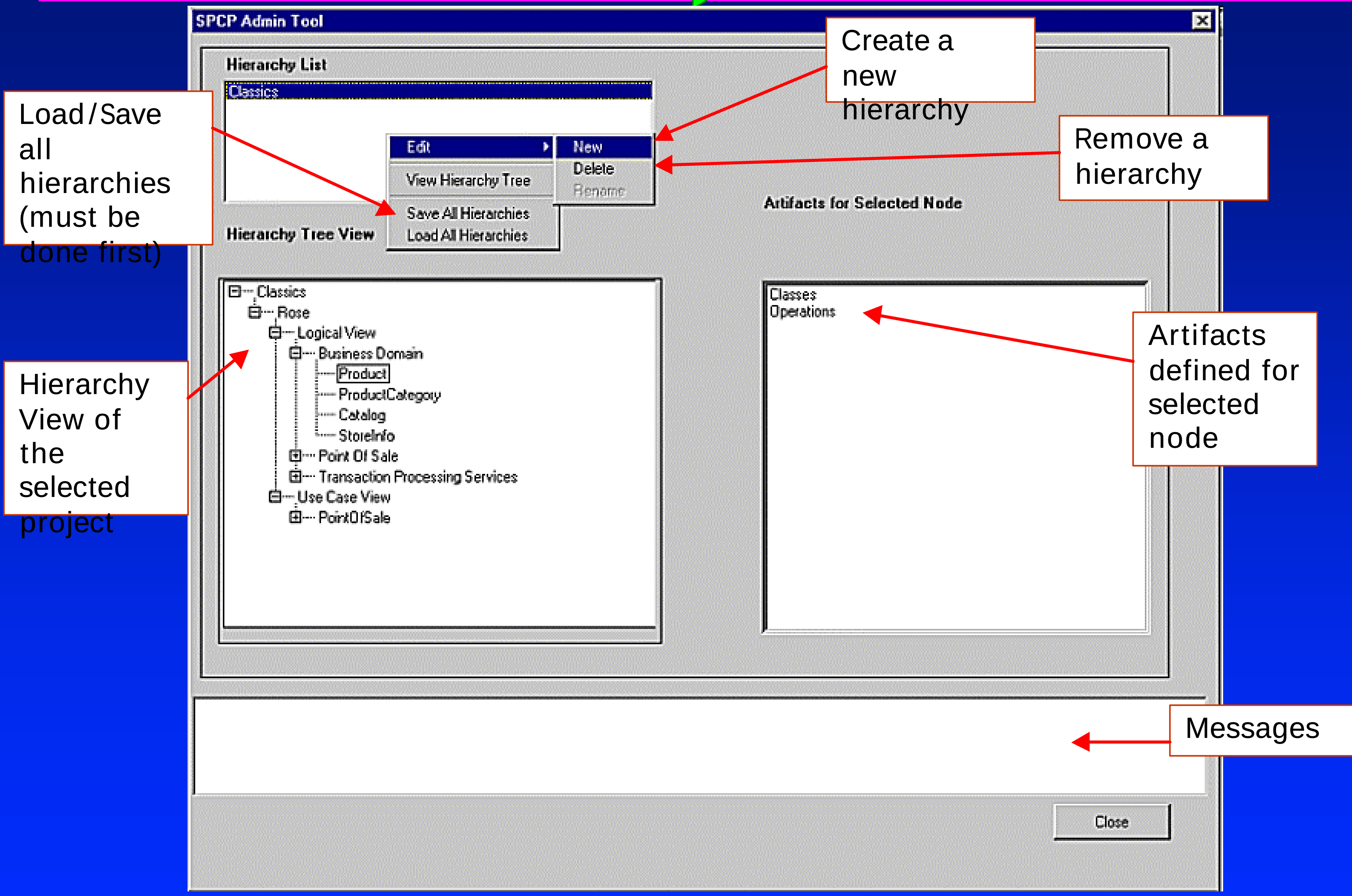
Enter/edit User Information



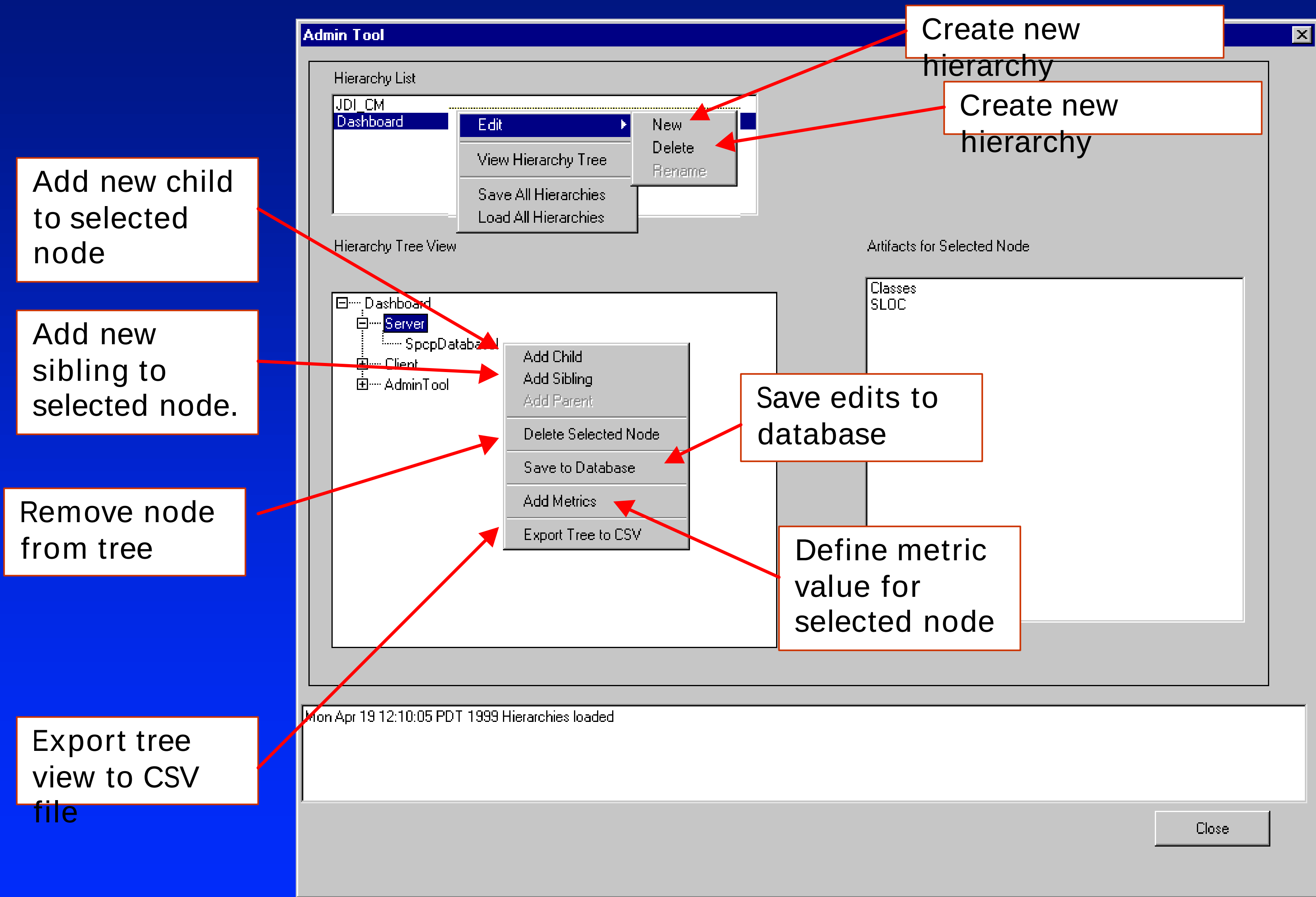
Subscribe to a group by selecting from the **Not Subscribed** list and pressing the **Add** button

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

Hierarchy Functions



Hierarchy Functions

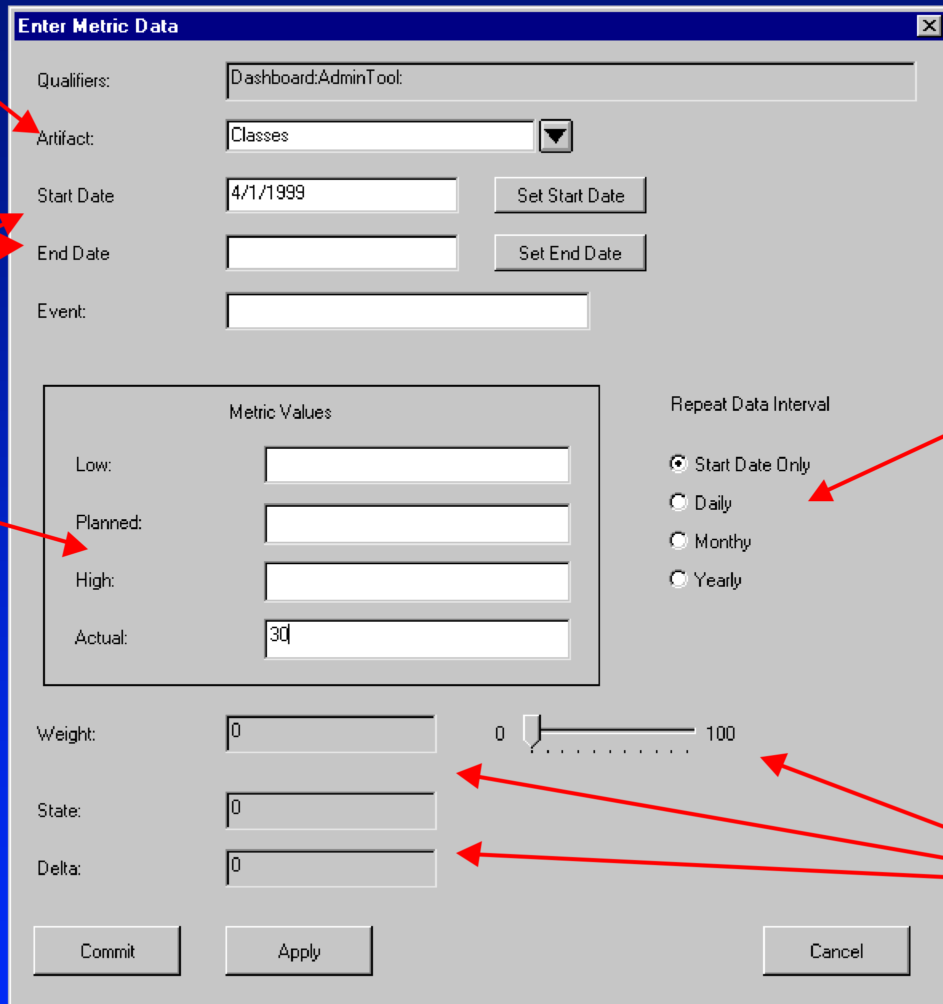


Add Metric Value

Select artifact (or add a new one)

Set Start/End data (optional)

Set metric values

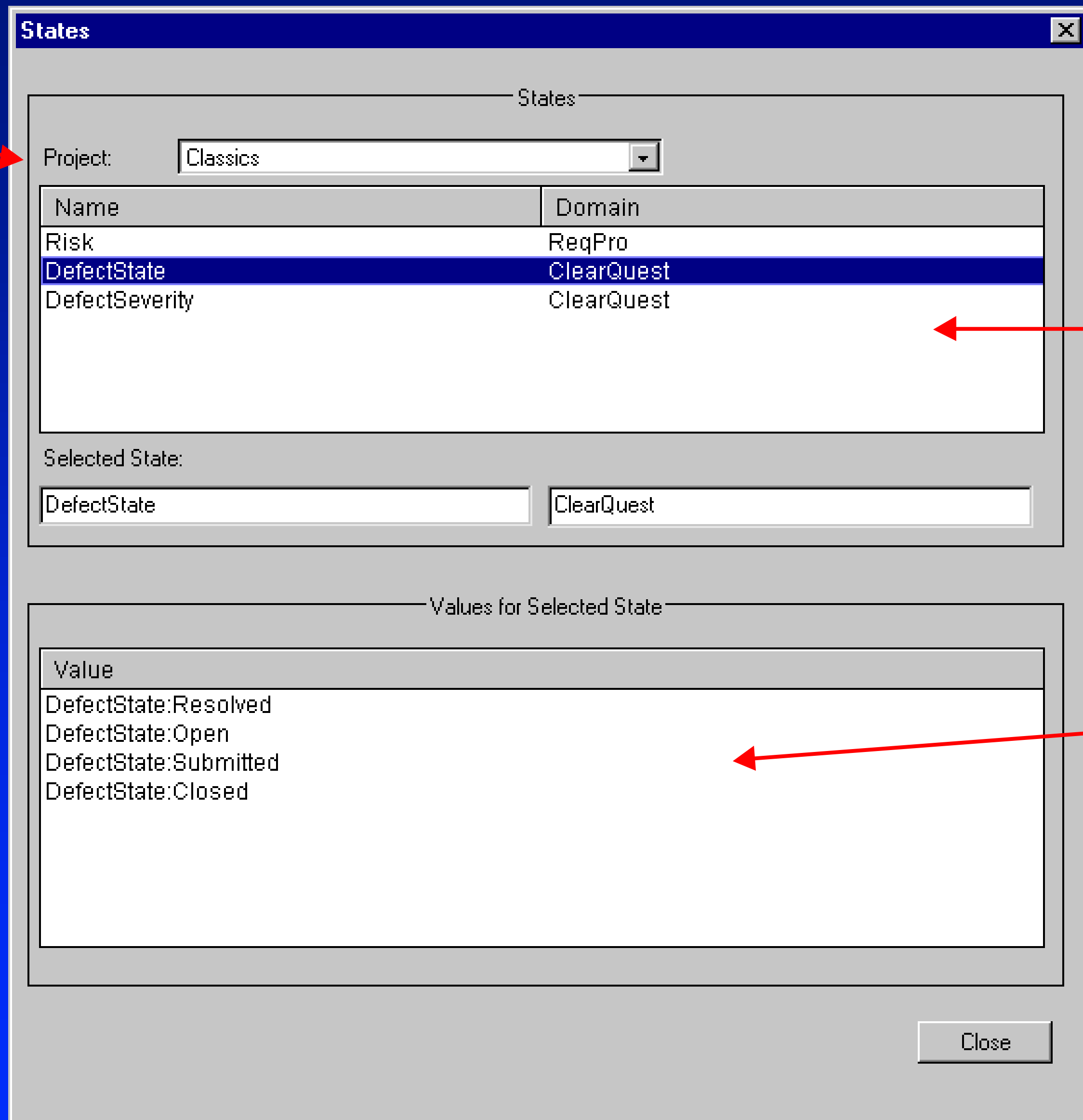


Set repeat interval

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

State Type Metrics

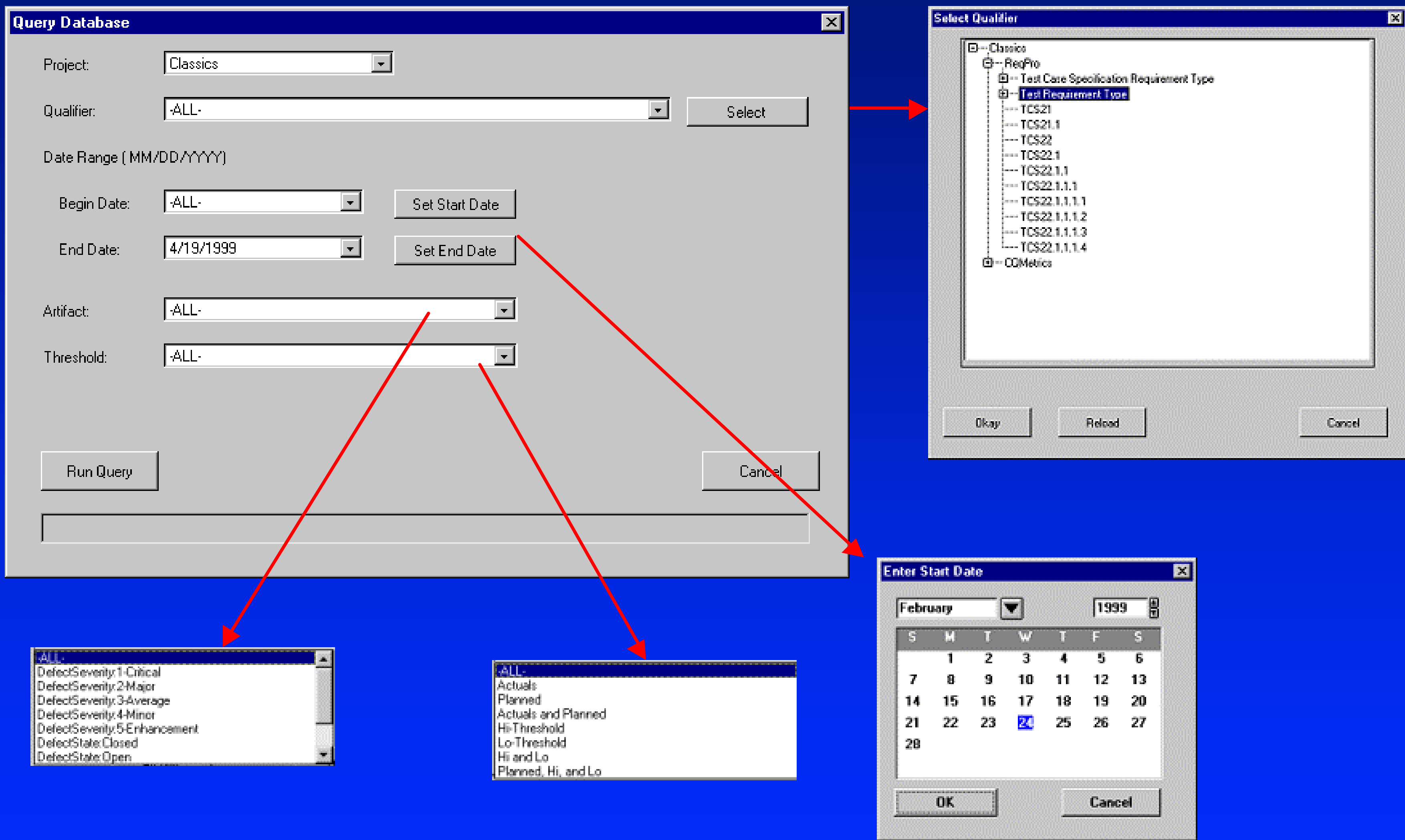
Select project or hierarchy



Lists state type metrics for project

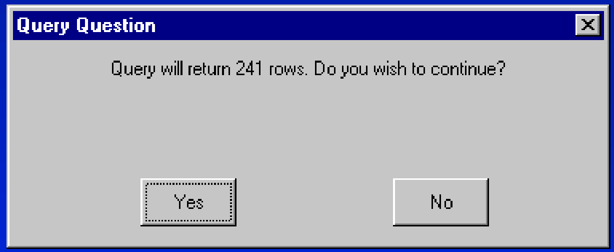
List values for the selected state type metric

Querying / Archive / Delete Data

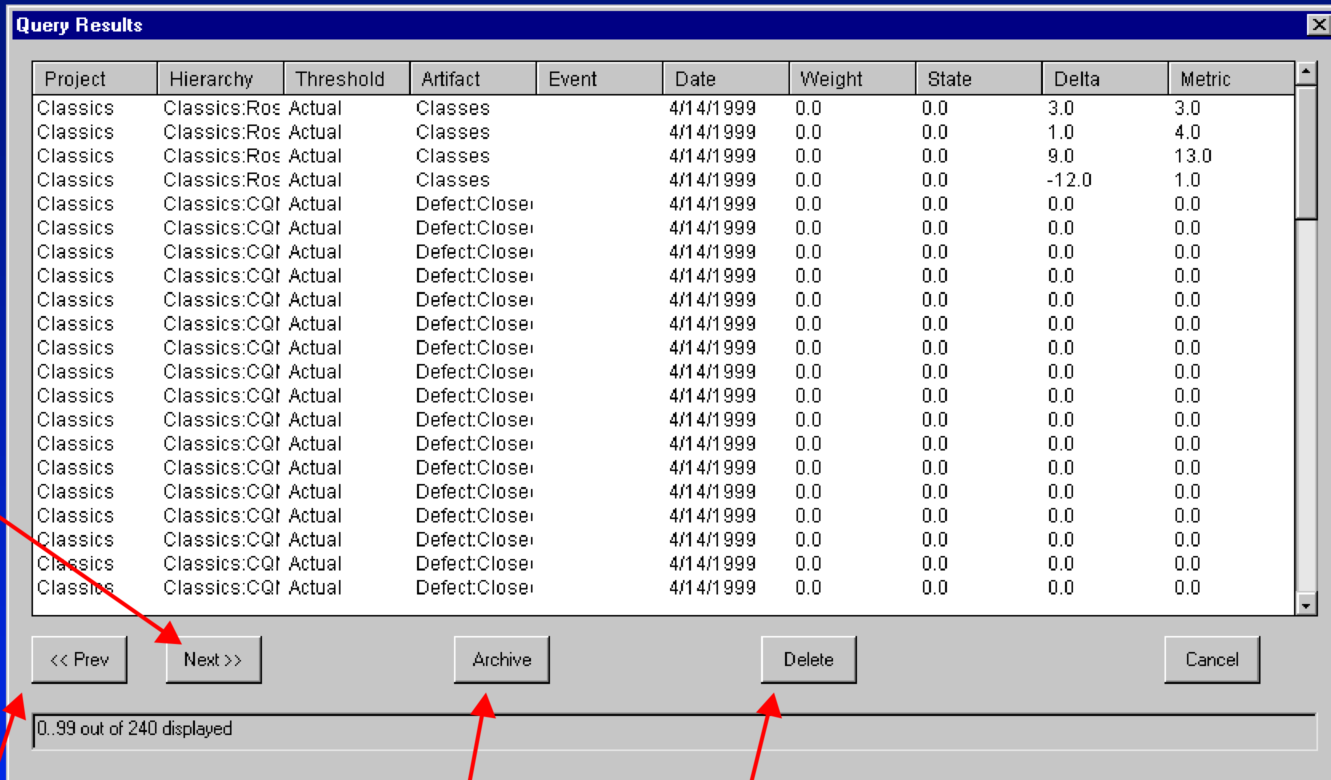


Query Results Confirmation Dialog

- 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



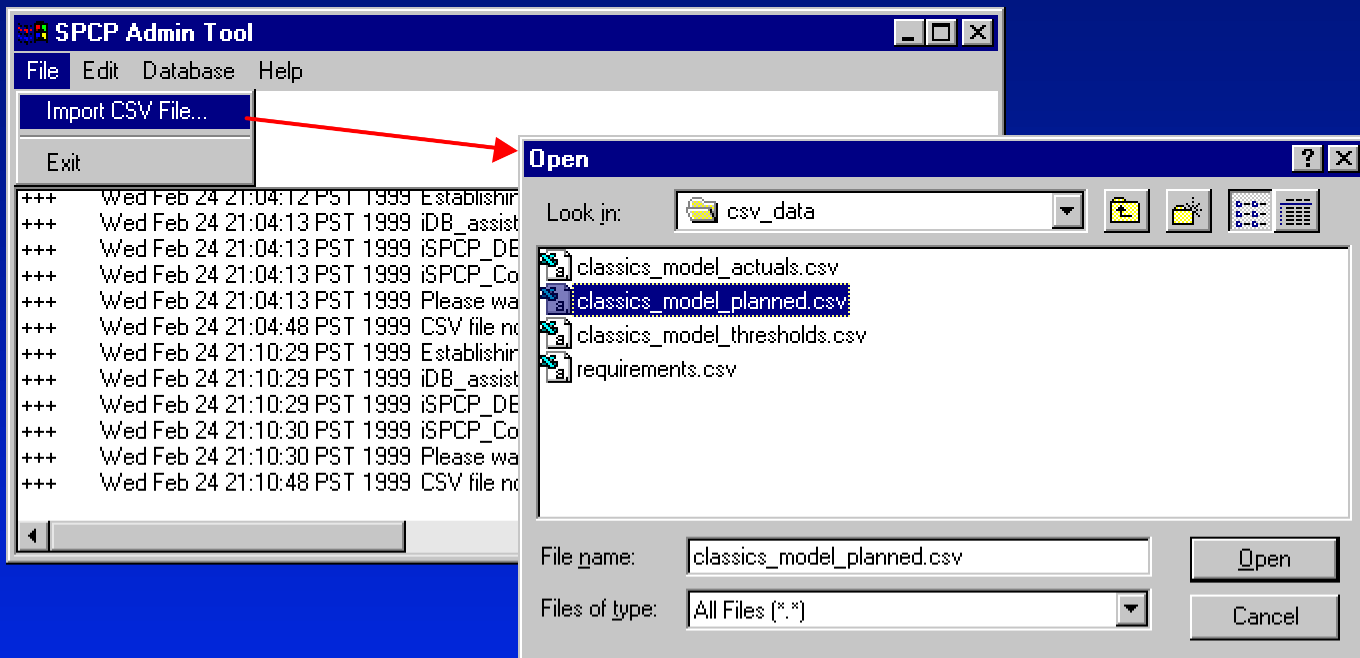
Project	Hierarchy	Threshold	Artifact	Event	Date	Weight	State	Delta	Metric
Classics	Classics:Ros	Actual	Classes		4/14/1999	0.0	0.0	3.0	3.0
Classics	Classics:Ros	Actual	Classes		4/14/1999	0.0	0.0	1.0	4.0
Classics	Classics:Ros	Actual	Classes		4/14/1999	0.0	0.0	9.0	13.0
Classics	Classics:Ros	Actual	Classes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

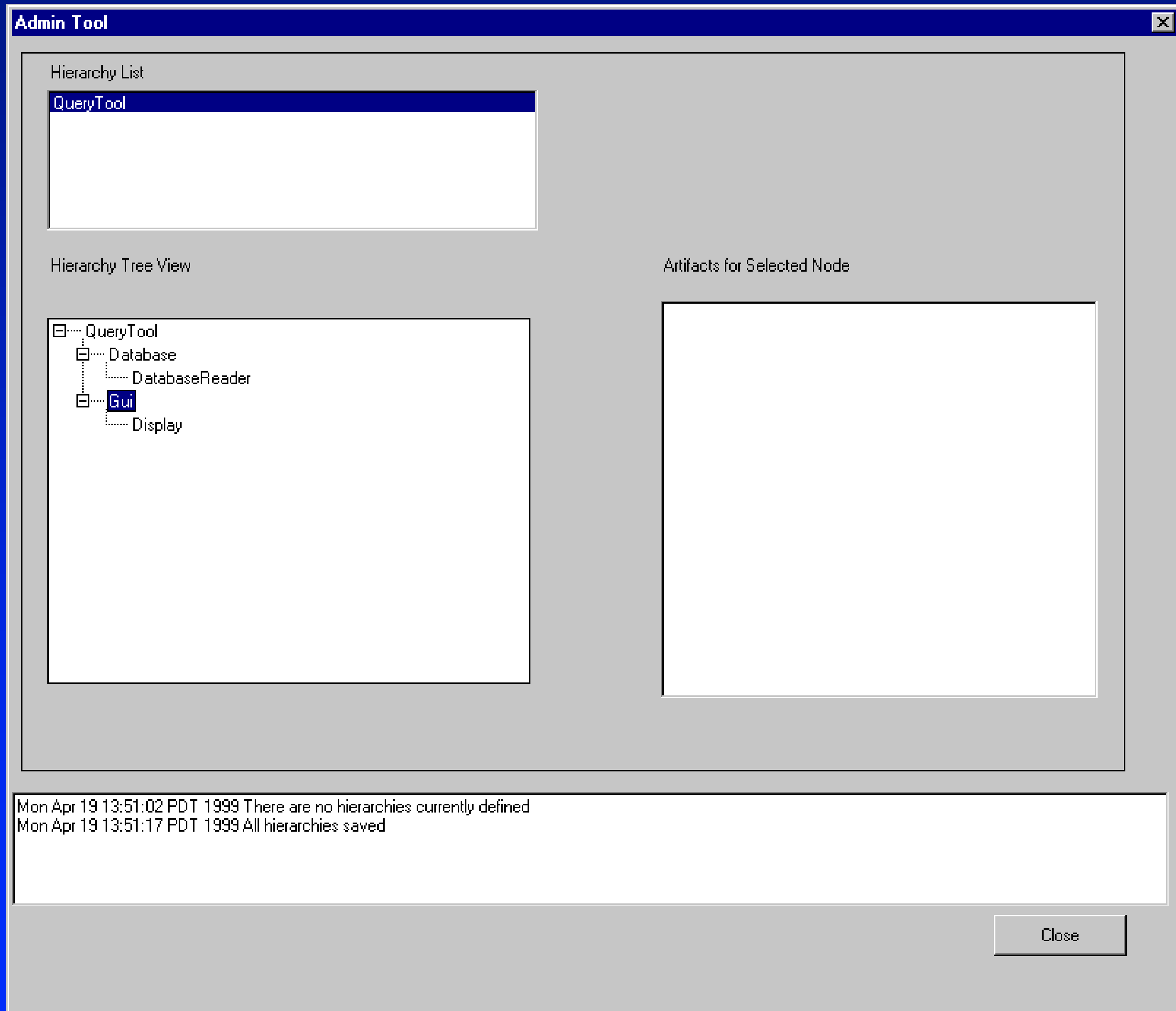
- Create a new group
  - **Login into the AdminTool as user “admin”**
  - **Bring up the User Administration Dialog (Tools->User Administration…)**
  - **Add a new group, “Test”**
- Create a new user
  - **From the User Administration dialog, add a new user and subscribe the user to the Test group**
- 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)

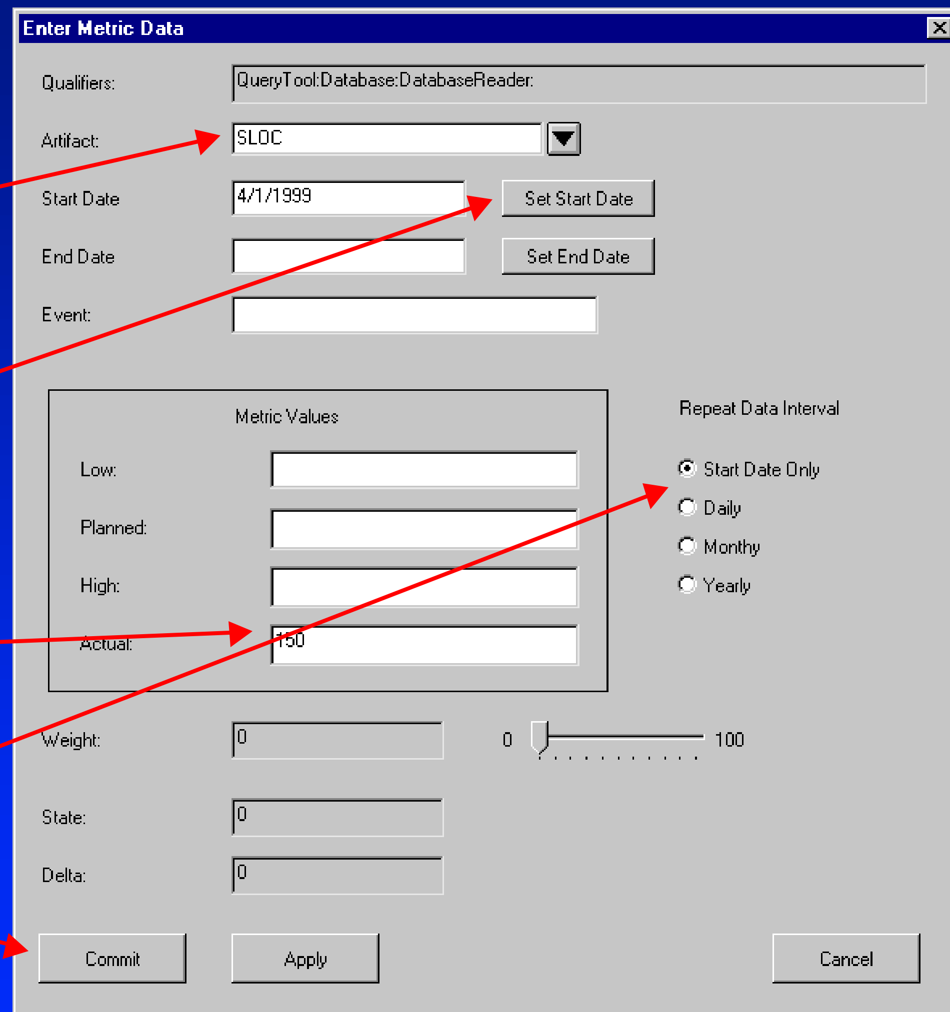
Lab 9.2: Create Your Own Project Hierarchy View

- **Your QueryTool hierarchy should look like:**



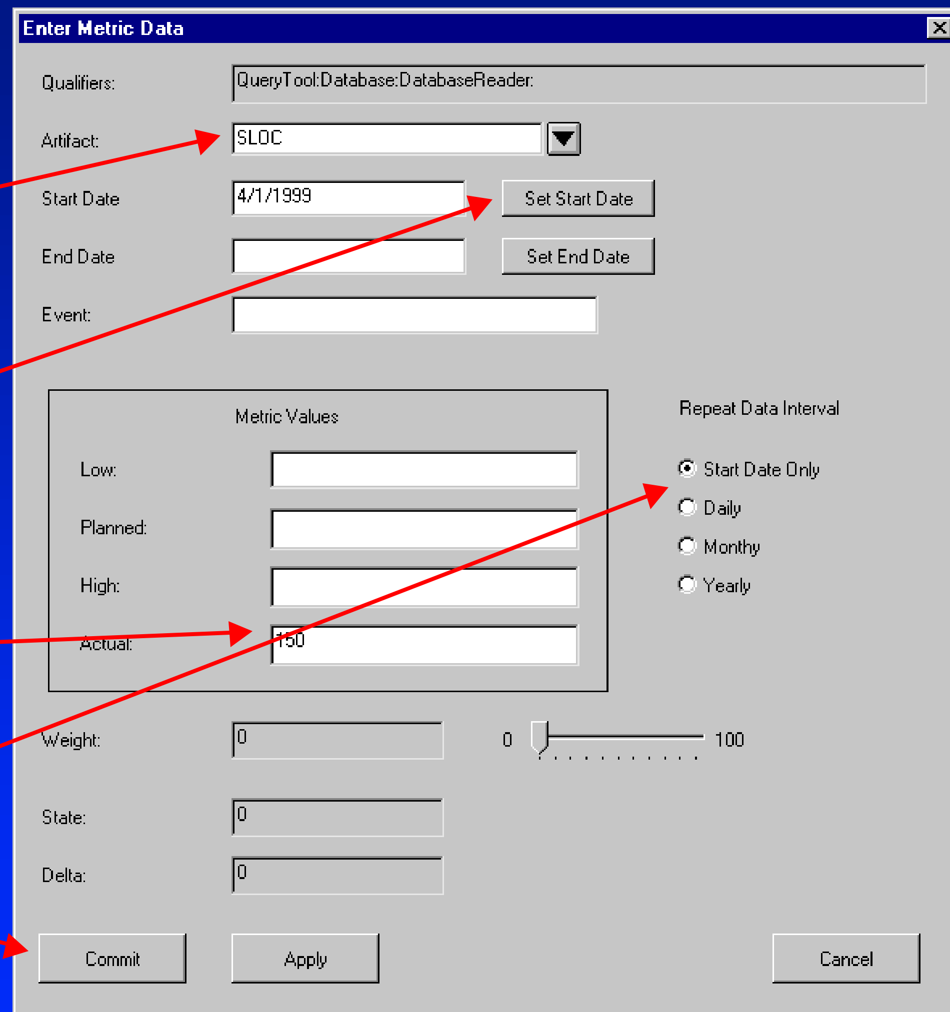
Lab 9.3: Add Metric Data to the Created Project (DatabaseReader module)

- **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**



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**

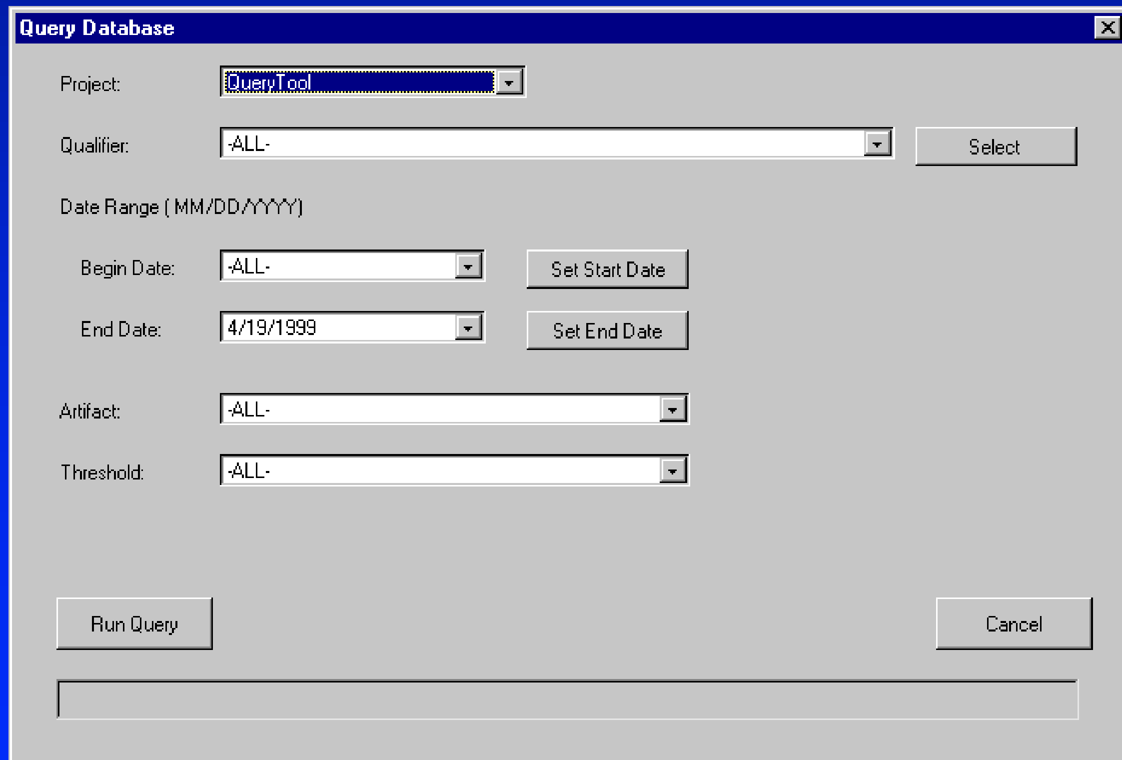


Lab 9.3: View Results using Dashboard Client

- 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.

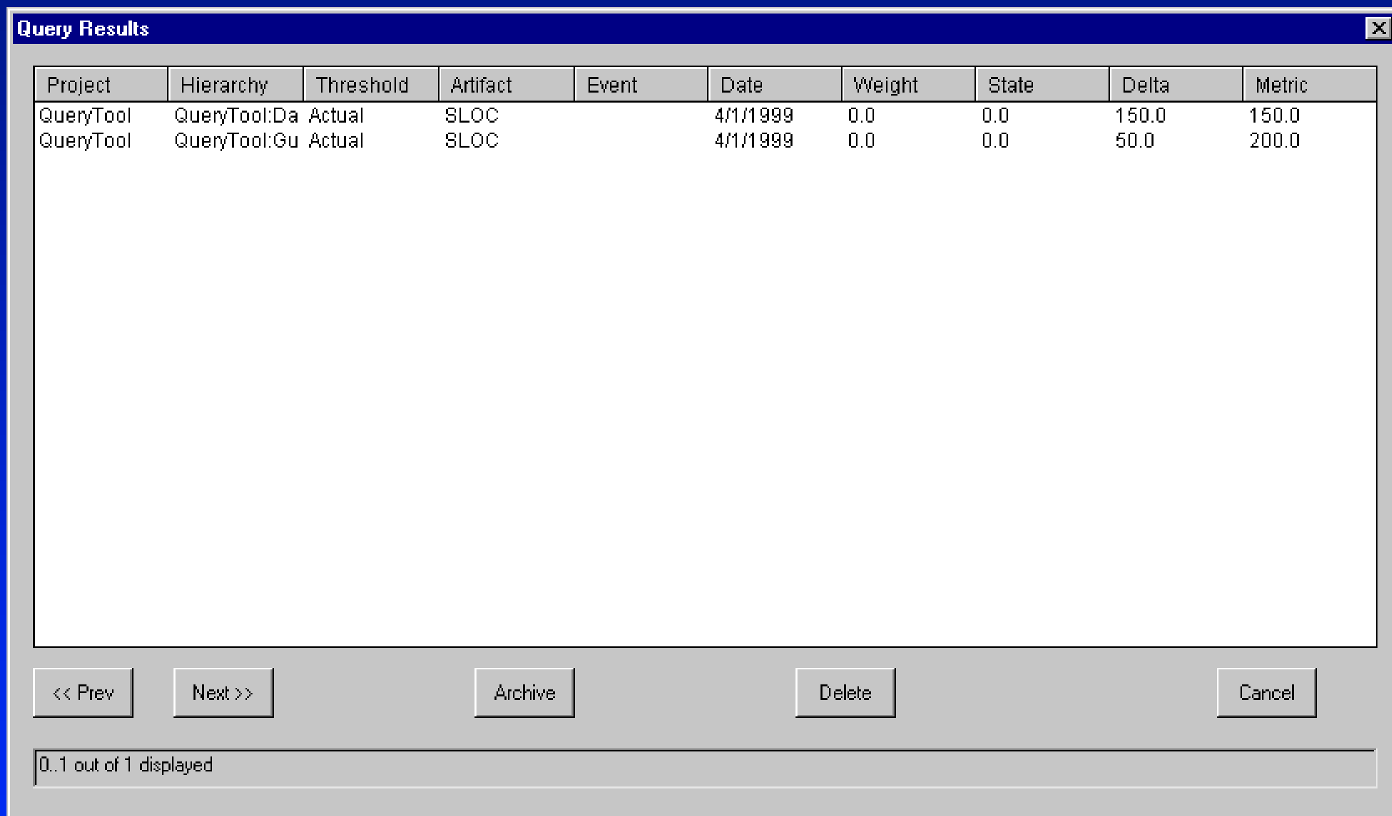
Lab 9.4: Query Results

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



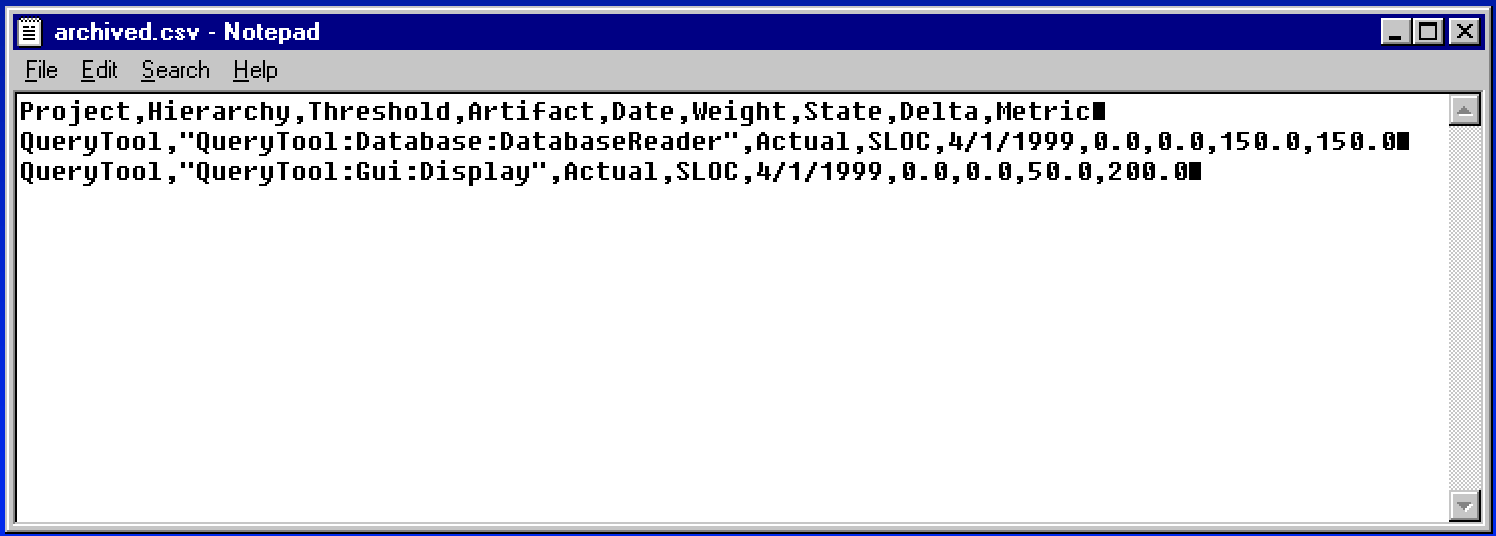
Lab 9.4: Query Results

- **View Results in the Query Results dialog**



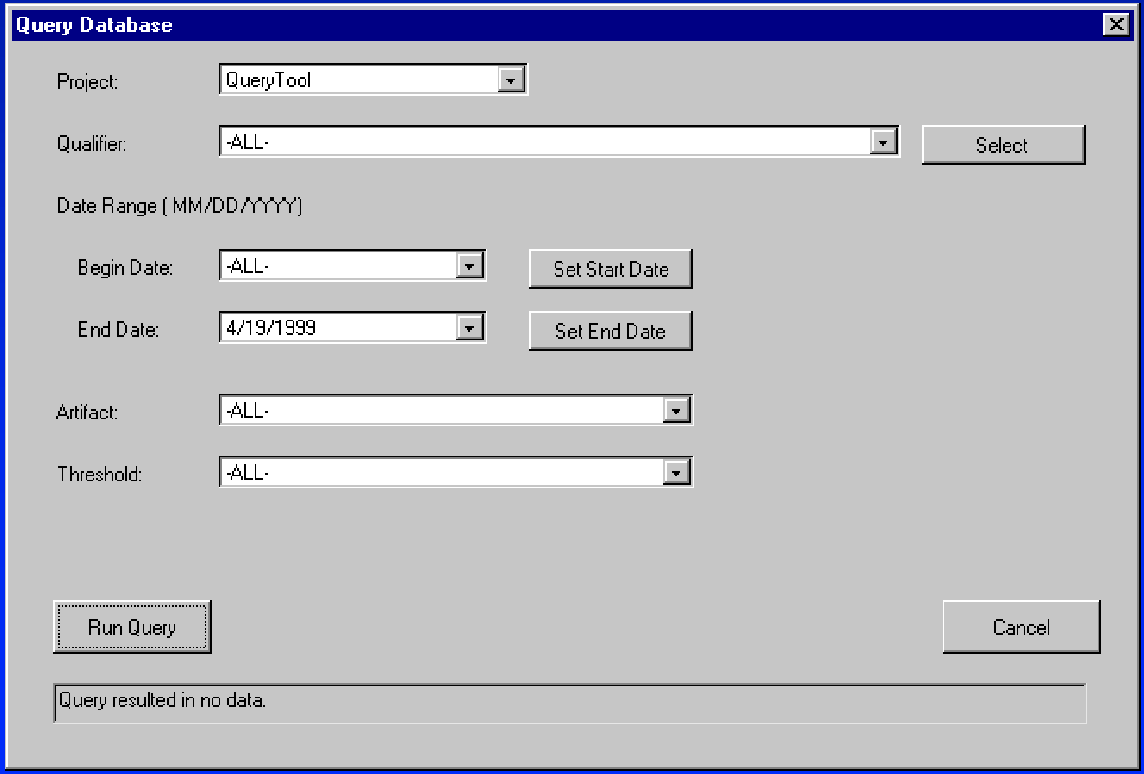
Lab 9.5: Archive Data

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



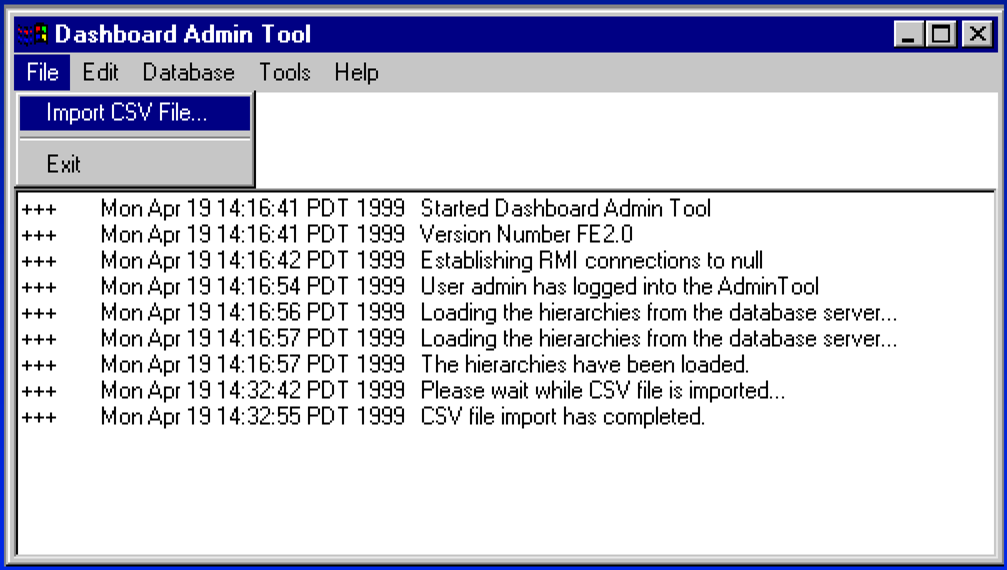
Lab 9.6: Delete Data

- **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



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:\temp\archived.csv* file
  - View results using the Query dialog in the AdminTool