

Business Explorer-Analyzer for Power Users BEX_305



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BEX_305 BEx-Analyzer for Power Users

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- Unit 2 BEx Analyzer
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- Course Summary

111/20/02/00/00/00/00/00/00

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Prerequisites & Access



- Prerequisites
 - Access to data in IRIS R/3 Production and/or BEx Web Reporting
 - Successfully completion of either
 - BEX_300 Business Warehouse: BEx Web Reporting

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- BEX_SLCM_300 Business Warehouse: SLCM BEx Web Reporting
- For Access
 - Have BEX_305 on training plan
 - Signed Statement of Responsibility (SOR)
 - Successfully completion of BEX_305



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Unit 1





BEx Analyzer Overview

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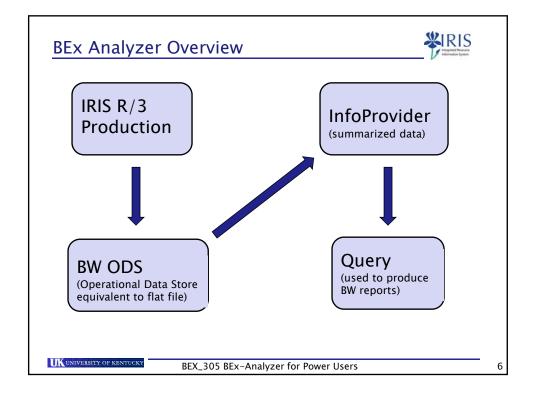
Unit 1 - BEx Analyzer Overview

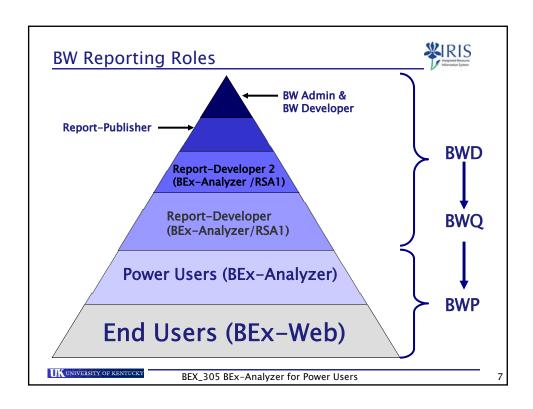


- BEx Analyzer Overview
- BW Reporting Roles
- User Role Functions
- Power User Functionality
- BEx-Analyzer Access

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BW Reporting Roles



- End Users
 - Uses BEx Web Reporting to view queries
 - * Can only use queries that are assigned to a user's role
- Power Users
 - Uses BEx-Analyzer to generate queries for ad-hoc reporting in production
 - More responsibility for Saved Views in order to help End Users

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User Role Functions



In BW	End-User	Power User	Report Developer	Report Developer 2
Run Query	х	Х	х	
Run Query View	х	Х	Х	
Create Query View (starting with Z)	х	х		
Change Query View (starting with Z)		х		
Delete Query View (starting with Z)		х		
Create Query View (starting with V)			х	
Change Query View (starting with V)			х	
Delete Query View (starting with V)			х	
Display Query View	х	х	х	
Create Query (starting with Y)		Х		
Change Query (starting with Y)		х		
Delete Query (starting with Y)		Х		
Create Query (starting with Q)			х	
Change Query (starting with Q)			х	
Delete Query (starting with Q)			х	
Display Query	х	х	х	

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User Role Functions



In BW	End-User	Power User	Report Developer	Report Developer 2
Create Global Structure				Х
Change Global Structure				х
Display Structure	Х	Х	Х	
Create Variables				Х
Change Variables				Х
Display Variables	Х	Х	Х	
Create Global Restricted Key Figures				х
Change Global Restricted Key Figures				Х
Display Restricted Key Figures	х	Х	Х	
Create Global Calculated Key Figures				Х
Change Global Calculated Key Figures				Х
Display Calculated Key Figures	х	Х	Х	
Display Hierarchy			Х	
Display Hierarchy (data)	х	Х	Х	
RSRT analyze query & comp			Х	
RSRT2 analyze web item			х	
RSA1 display			х	

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Power User Role Functionality



- Run, Create, Change, Delete, and Display
 - Queries
 - Query Views
- Display & Use Global Structures, Variables, Restricted Key Figures, Calculated Key Figures, and Hierarchies
- Create & Use Local Structures, Restricted Key Figures, and Calculated Key Figures
- Save Y queries within the Power User name space

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1.1

BEx-Analyzer Requirements



- Web browser in Windows
 - Microsoft Internet Explorer (MS IE) 6.x and above
 - Netscape Navigator (NS) 6.x and above
 - Other web browsers, such as Firefox, are not advised (may behave differently or not at all)
- Active Directory services account
 - Domain is AD or MC

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BEx-Analyzer Requirements



- SAPGUI
 - Need the most recent version
 - More information on the IRIS website http://www.uky.edu/IRIS/news/SAPGUI710Info.html
- Microsoft Excel
 - Works with both the 2003 and 2007 versions
 - More information for version 2007 on the IRIS Website
 - http://www.uky.edu/IRIS/news/desktopinformation.html

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Summary



- BEx Analyzer Overview
- BW Reporting Roles
- User Role Functions
- Power User Functionality
- BEx-Analyzer Access

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Unit 2





BEx Analyzer

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Unit 2 - BEx Analyzer

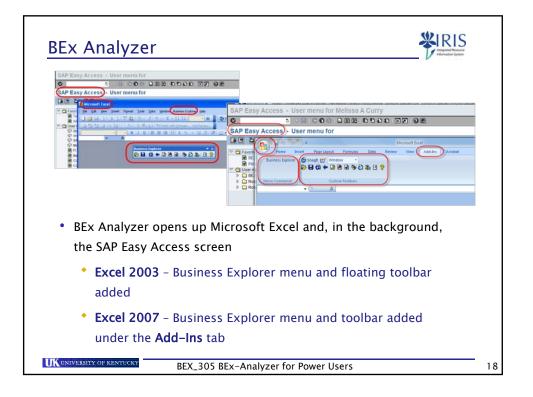


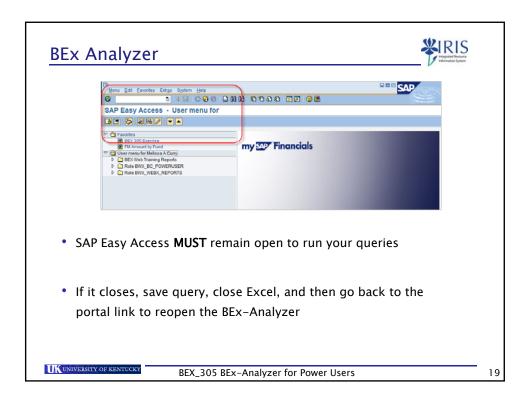
- How to Access
- BEx Analyzer
- BEx Analyzer Toolbar

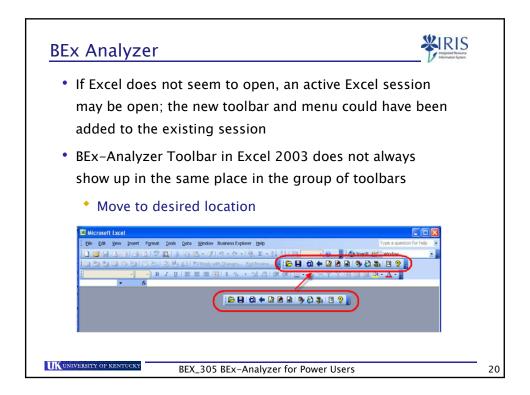
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Phow to Access Log on to the myUK portal Click on BW BEX Reporting Reporting BEX_305 BEX_Analyzer for Power Users Log on to the myUK portal See DUO FRANCE SEE DUO FRA



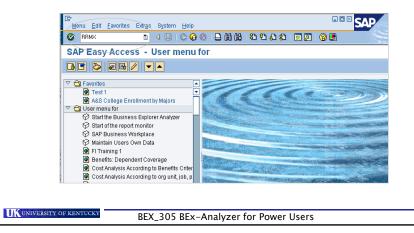








 If Excel closes accidentally and the SAP screen is still open, re-open Excel by typing RRMX in the Command field on the SAP Easy Access Menu window







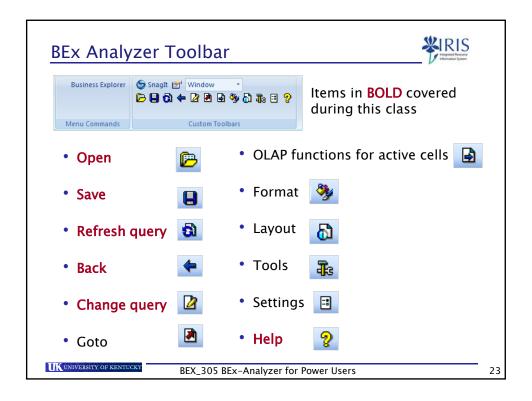
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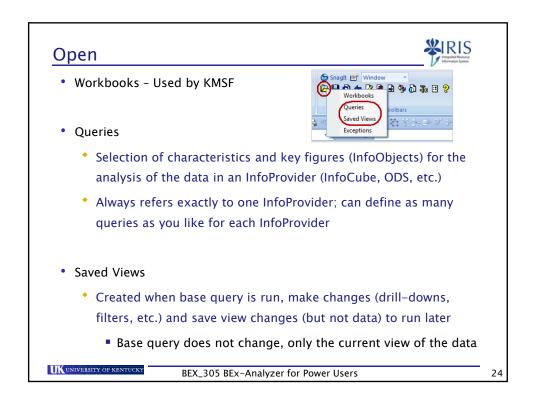
Log into BW BEx Reporting



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BEX View Tools

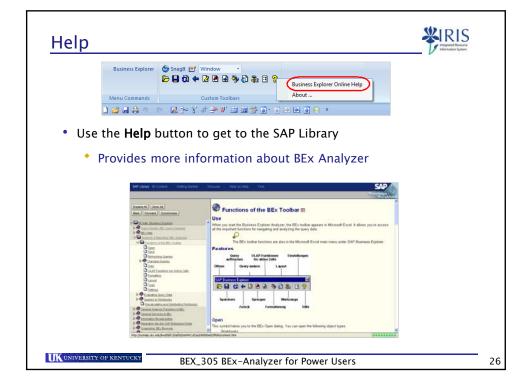




- Used after running a query view in Excel
 - Save saves view for later recall
 - * Refresh query brings up the parameter window
 - Back allows going back one step and undo last change
 - Change query
 - Local view provides ability to make changes to current query, but does not allow addition of new objects to the query
 - Global definition provides ability to make changes to current query and allows addition of new objects to the query
 - Change variable values allows view of personalized variable values

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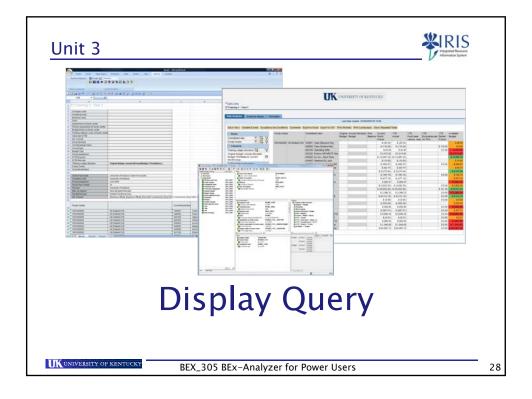
Summary



- How to Access
- BEx Analyzer
- BEx Analyzer Toolbar

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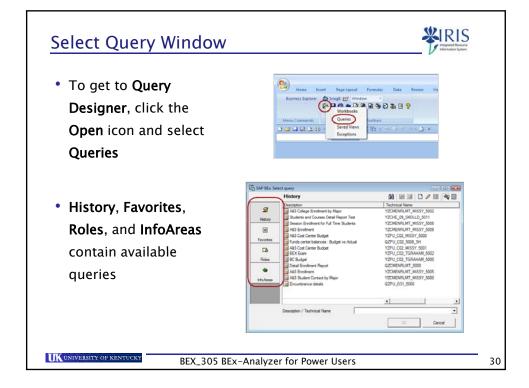
Unit 3 - Display Query



- Select Query Window
- Query Display
- Query Designer Window
- Query Designer Toolbar

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Select Query Window





Contains queries you have created, opened, or recently viewed



Contains queries you created or accessed and assigned to Favorites



 Contains Q (shared) queries; cannot change or delete; can display and do a Save As



• Contains both **Q** (shared) and **Y** (Power User) queries

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2.1

Select Query Window



- Find
 - Use to find a particular query
 - Can be useful when you have access to a number of queries and need to find one quickly



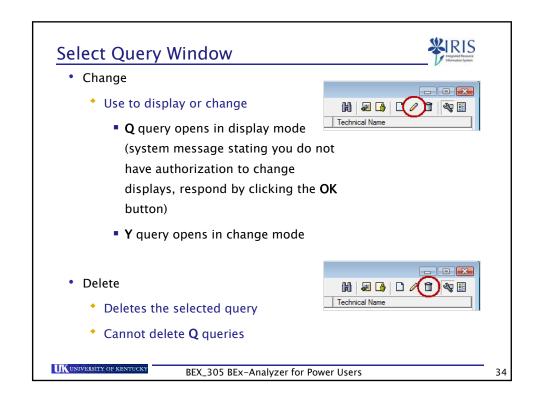
- Add to Favorites
 - Use to bookmark a shared query to Favorites by singleclicking the query and clicking on this icon

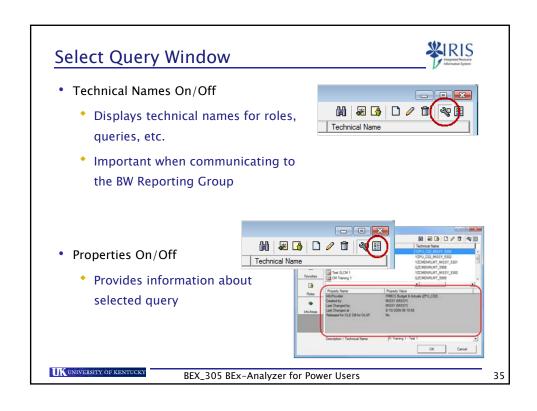


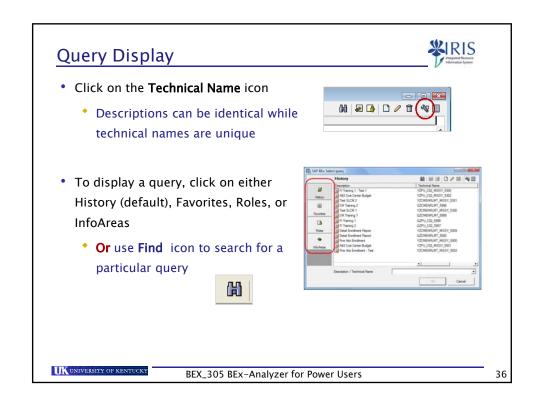
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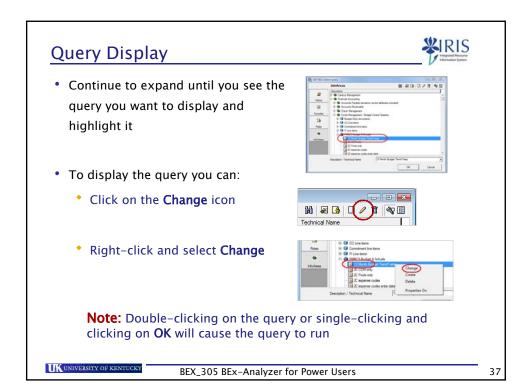
BEX_305 BEx-Analyzer for Power Users

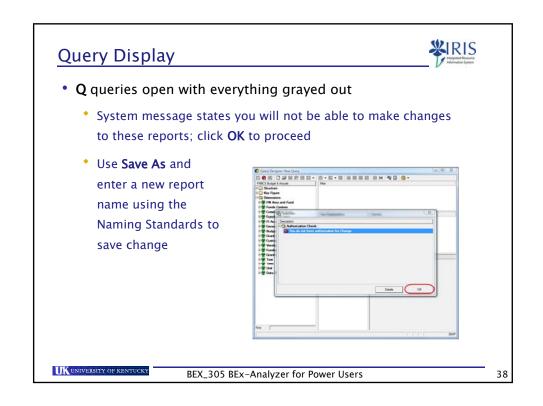
Select Query Window Enter in Role Function not available to Power Users Used by Report Publishers New Create a new query Provides access to all InfoProviders to which you have access BEX_305 BEX_Analyzer for Power Users 33

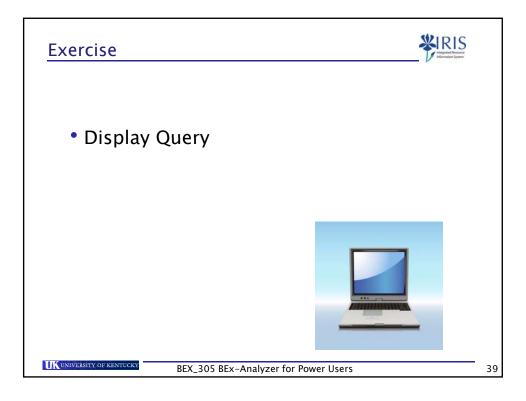


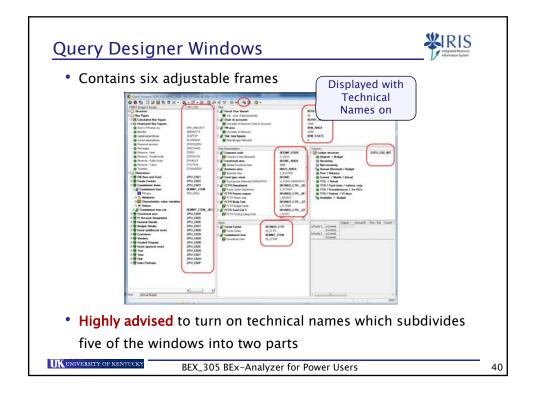












InfoProvider Frame





- Description and, with Technical Names on, the technical name of the InfoProvider displays at top
 - Example: the InfoProvider description is FMBCS Budget & Actuals technical name is ZPU_C02
- Provides access to everything available in the InfoProvider

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InfoProvider Frame



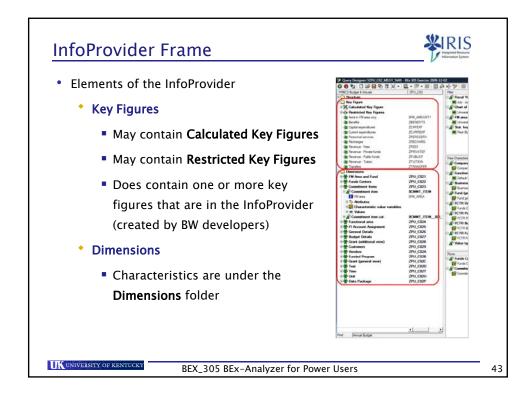
- Elements of the InfoProvider
 - Structure (in some, but not in all, InfoProviders)
 - Reusable/Global Structures
 - Saved as reusable
 - Can be used in several queries for same InfoProvider
 - Located only in InfoProvider area

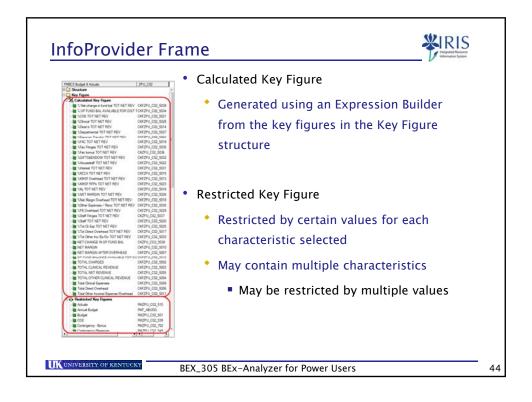


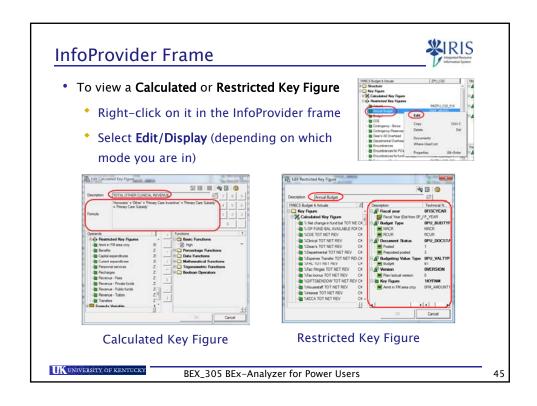


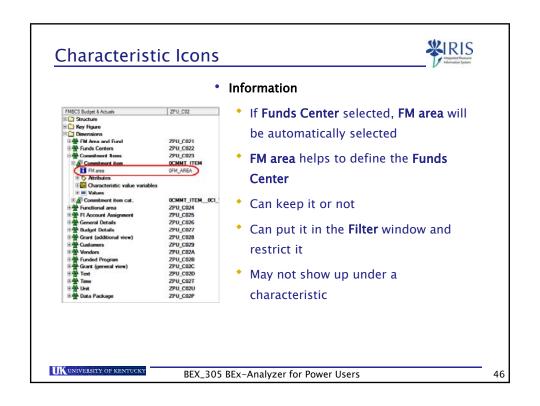
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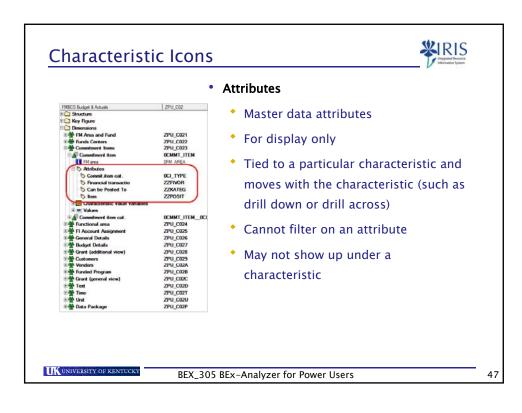
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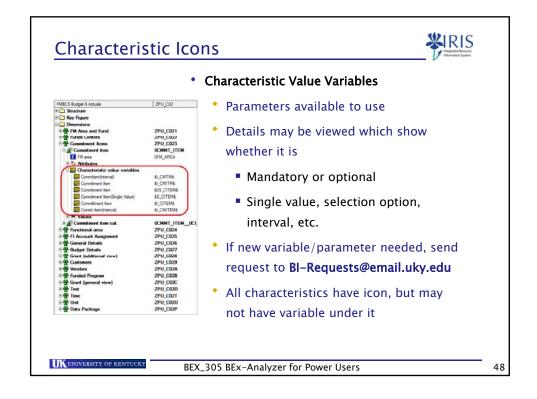


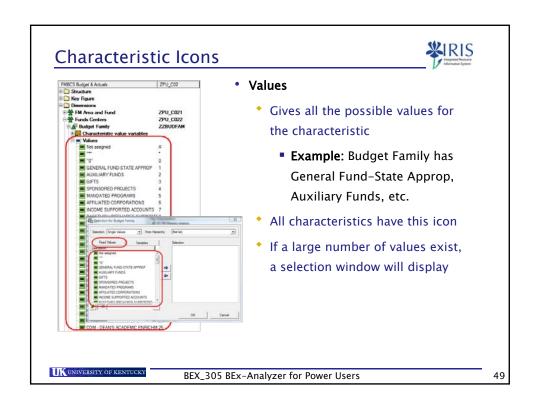


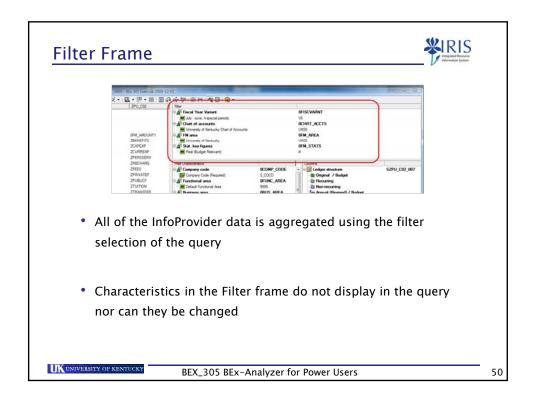


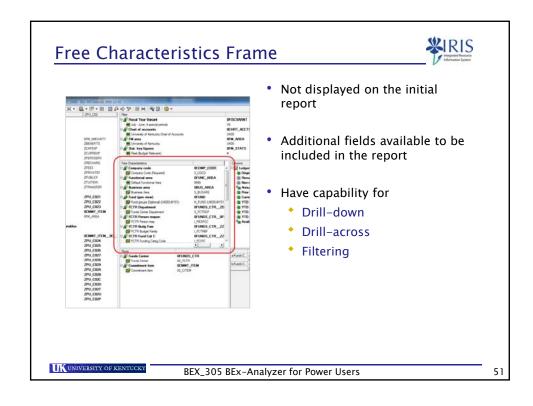


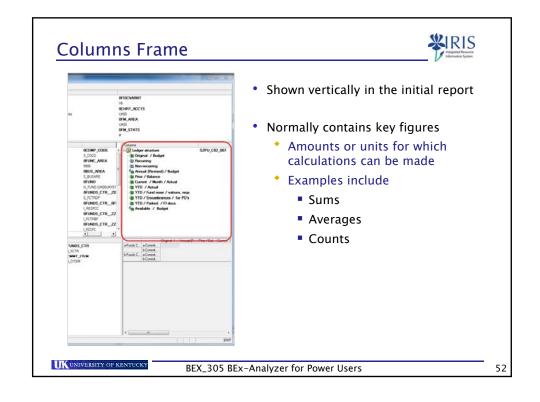


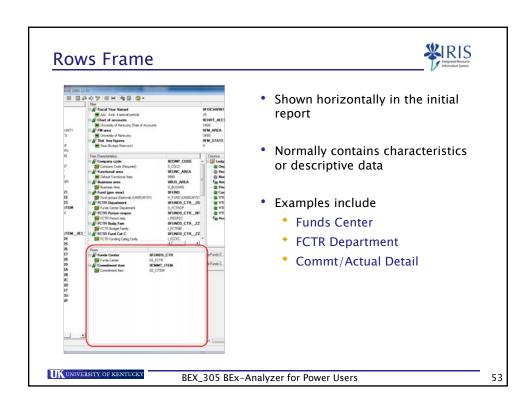


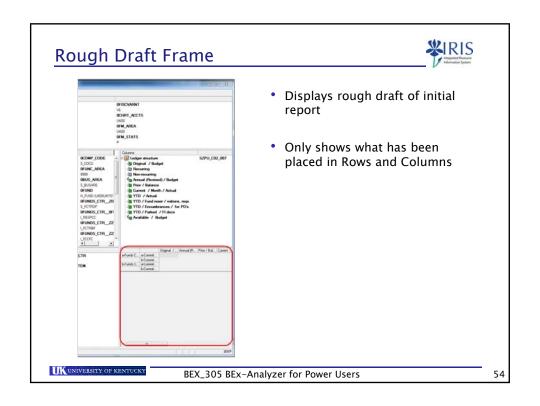


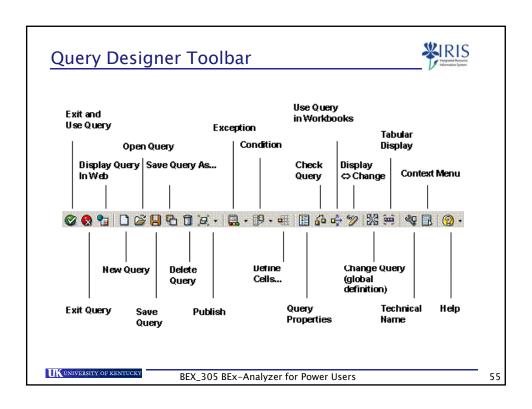


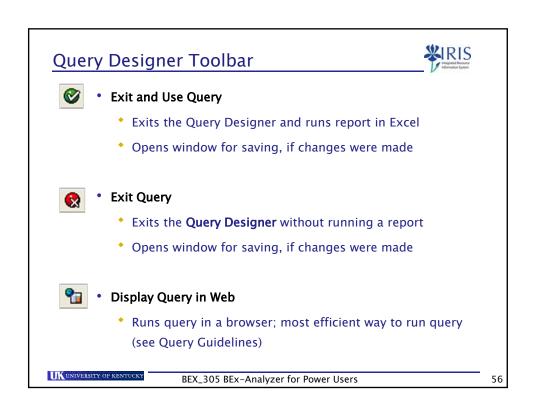


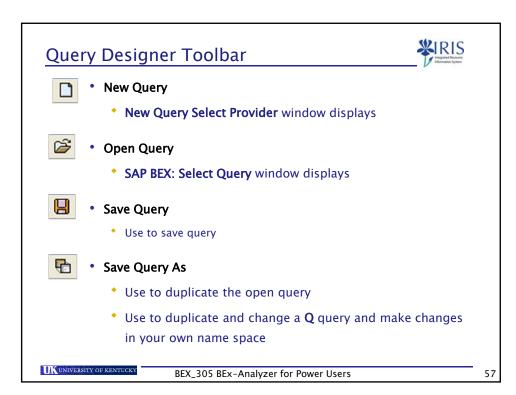


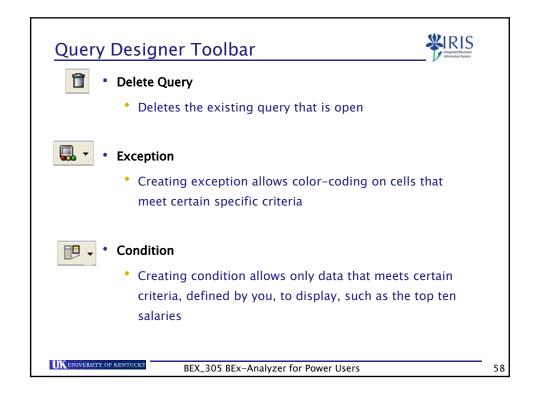












Query Designer Toolbar





- Query Properties
 - Set the properties of the query to meet the query guidelines



- Check Query
 - Checks the syntax of your query



- Use Query in Workbooks
 - Cannot use with Active Directory Services



- Display <-> Change
 - Toggles from display mode to change mode
 - Does not work on Q queries

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Query Designer Toolbar





- Change Query (global definition)
 - If in a local view, can go to the global view
 - Does not work to go from global to local



- Tabular Display
 - Toggle that results in the report displaying in a tabular format



- Technical Name
 - Toggles on/off the technical names

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Query Designer Toolbar





- Context Menu
 - Shows the Context Menu for what is selected
 - Right-click to display the context menu quickly



- Help
 - Opens the SAP Library which can provide more in-depth information about the Query Designer

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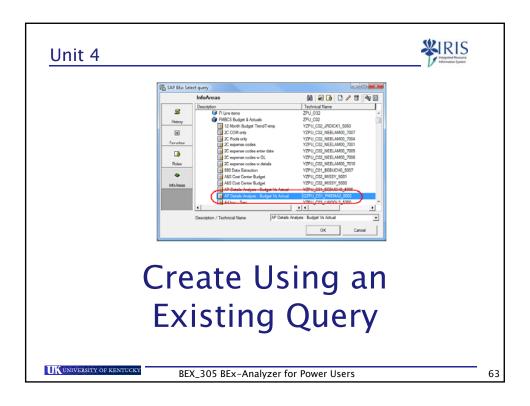
Summary

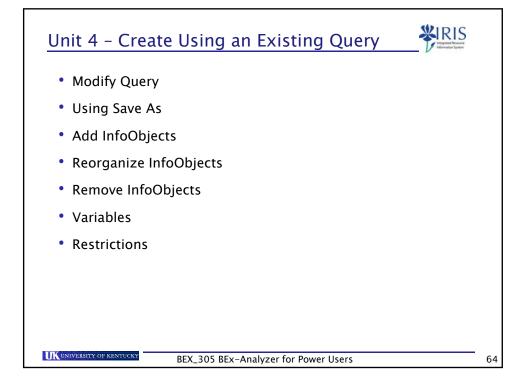


- Select Query Window
- Query Display
- Query Designer Window
- Query Designer Toolbar

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Modify Query



- Simple, quick way to create a new query
- Uses the InfoProvider used in the query you select
 - Will not be able to see InfoProviders that do not have existing queries
- Three ways to create new query using old query



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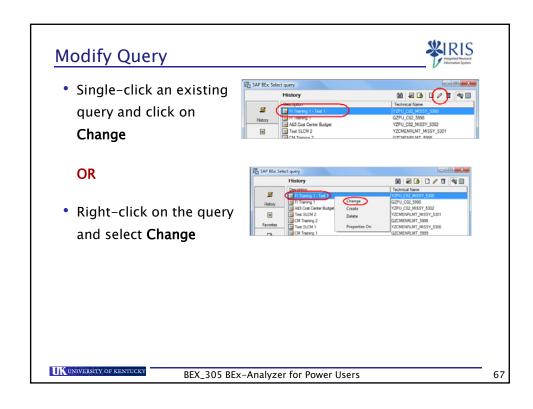
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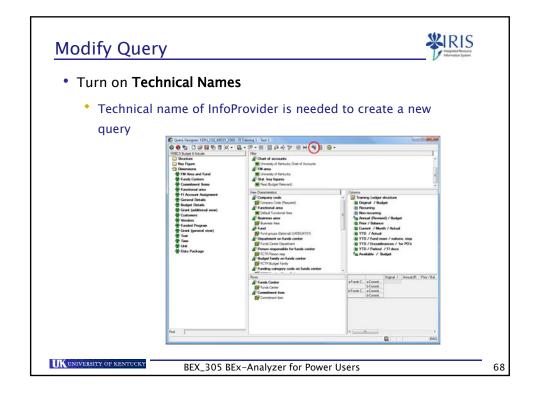
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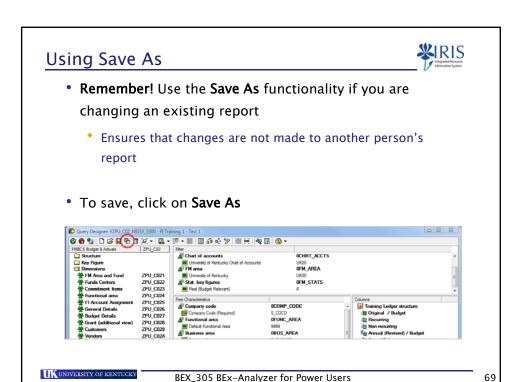
Modify Query Add or Remove Info Objects Attributes Variables Restrict Info Objects Reorganize Info Objects The Company TRUCE MODIFY AND THE PROPERTY OF THE PROPERTY O

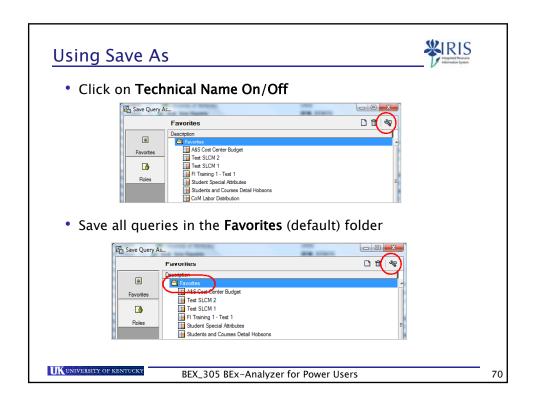
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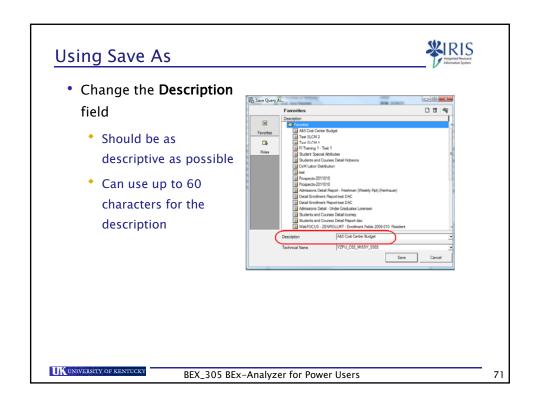
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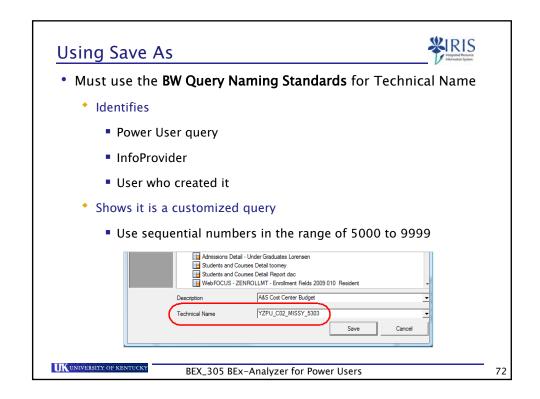












Using Save As



• Enter a Technical Name following BW Naming Standards

YZPU_C02_USER01_5000

- Y is a must for Power Users
- Cube technical name of the InfoProvider
- Underscore
- Userid your Active Directory Services userid
- Underscore
- Nnnn Your next number available for that InfoProvider
 - Starting number is 5000

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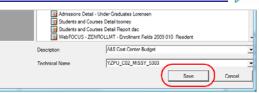
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Using Save As



Click on Save

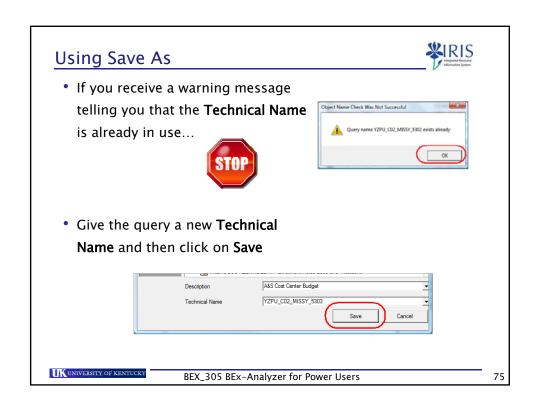


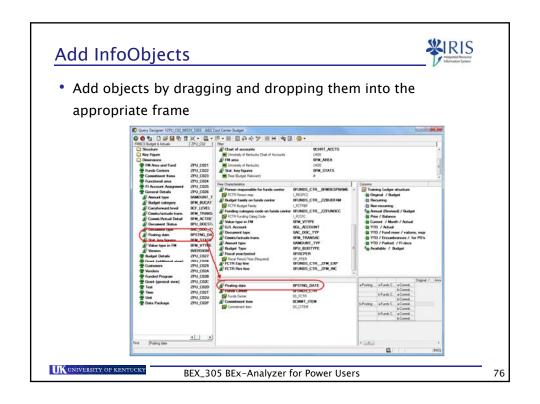
- System message displays in the status field in the lower left of the screen
- Description and technical displays in the Query Designer title bar after saving

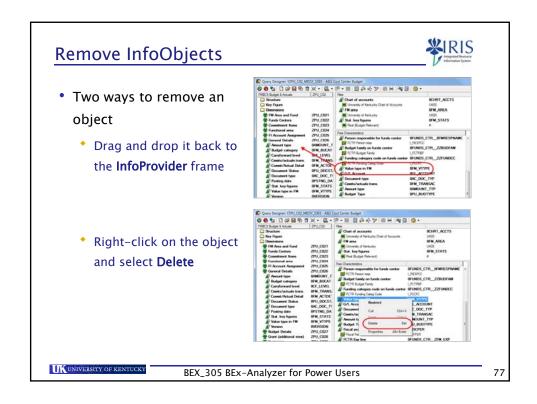


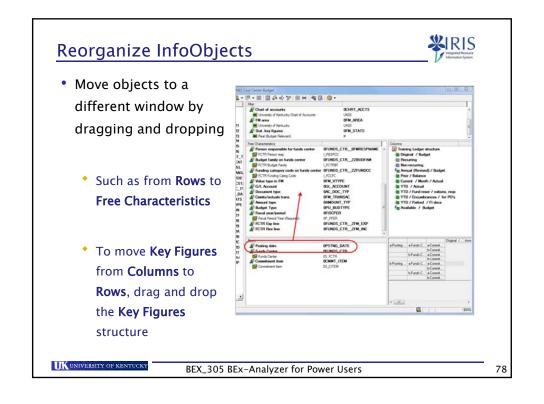
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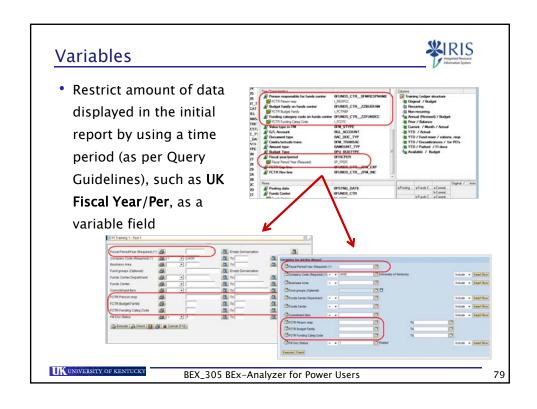
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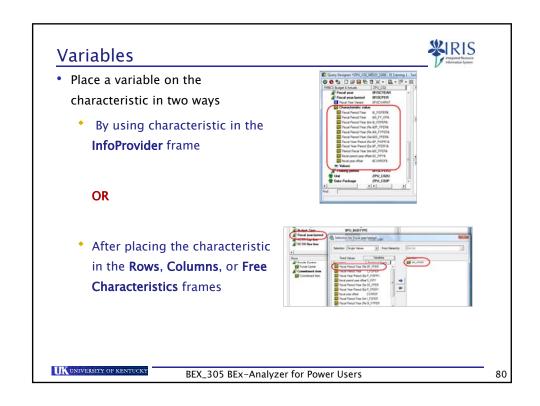


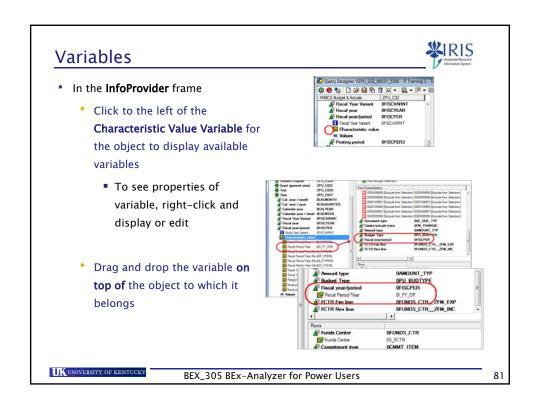


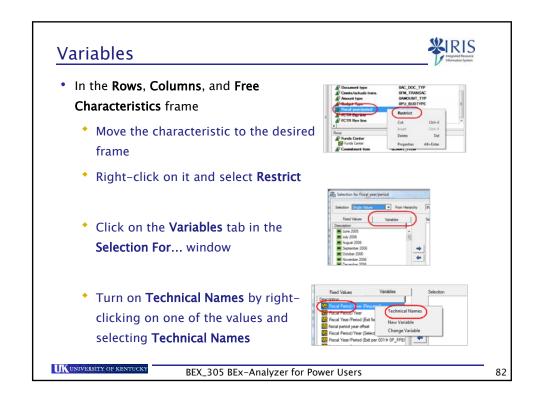


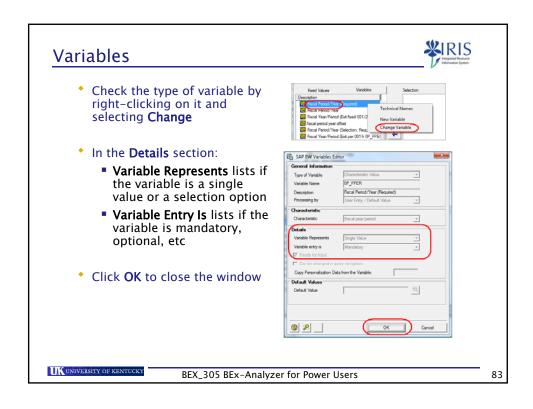


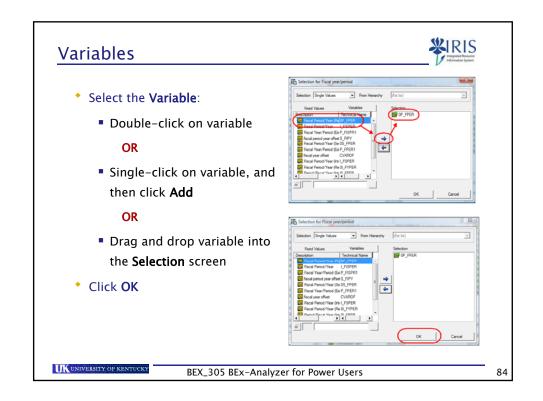


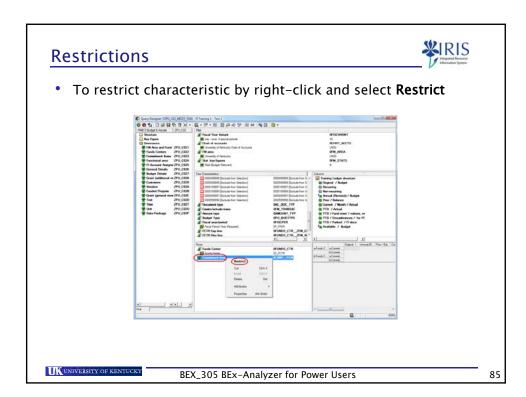


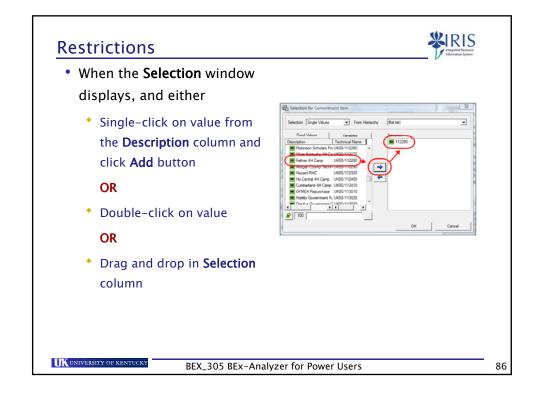


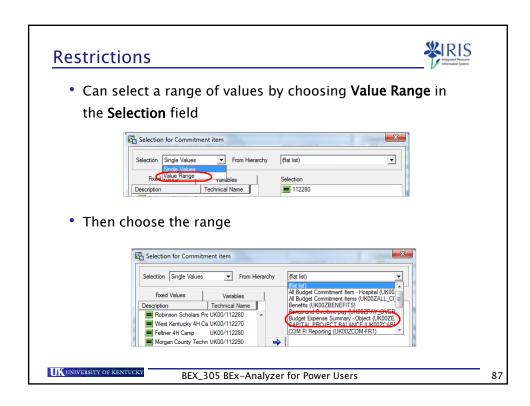


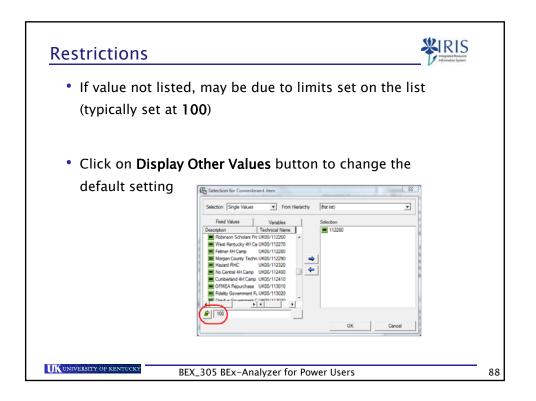


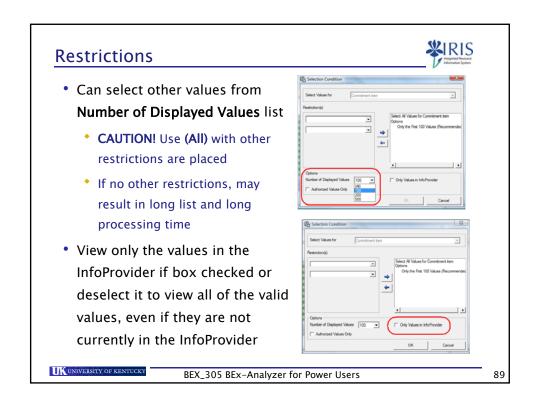


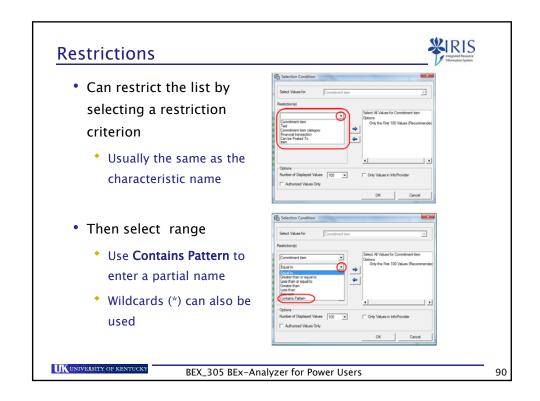


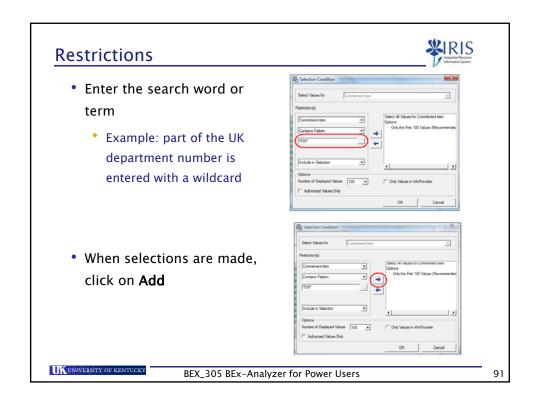


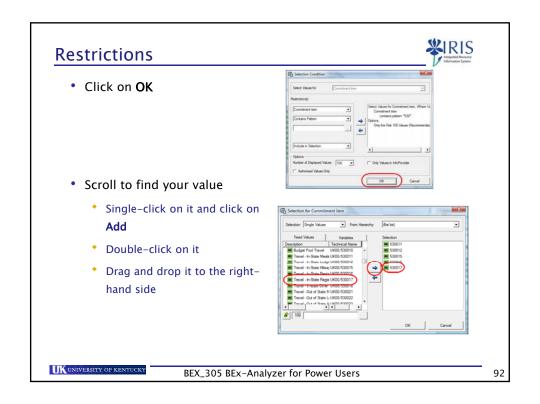


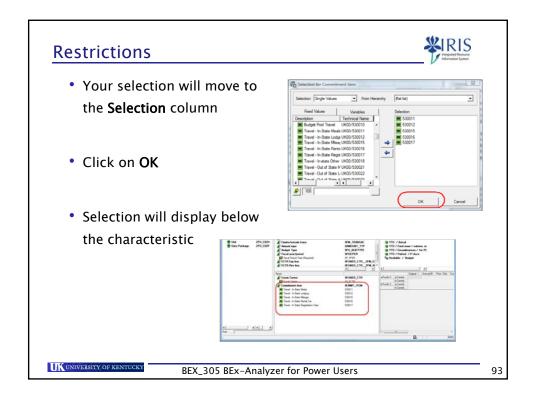


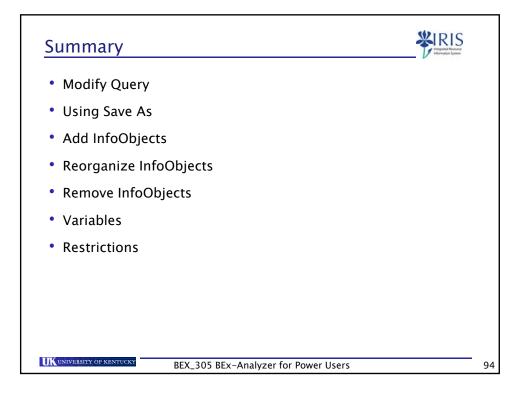


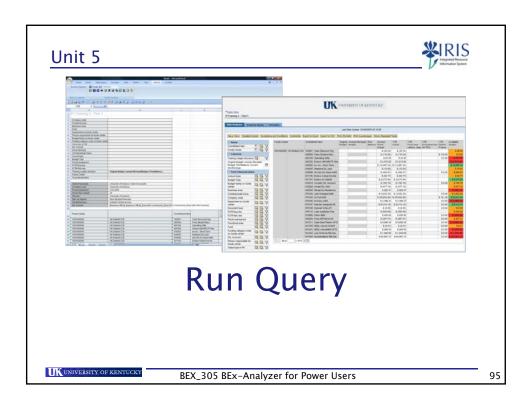


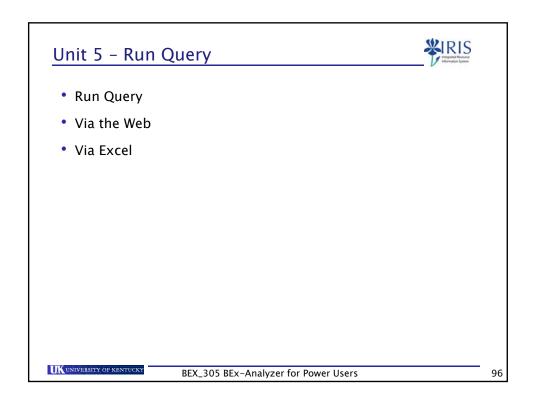


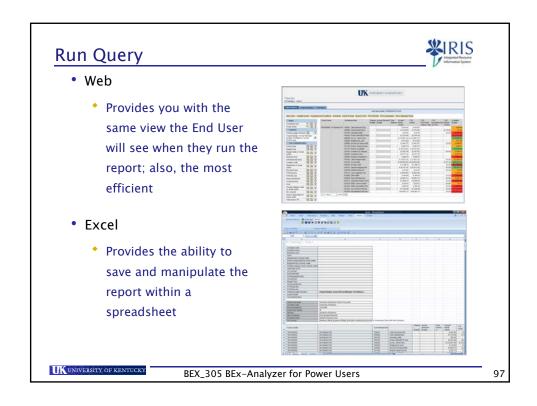


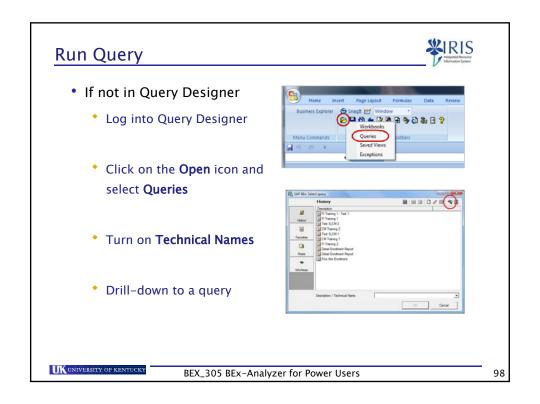


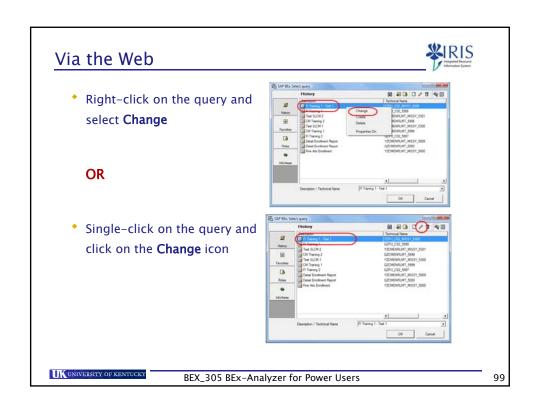


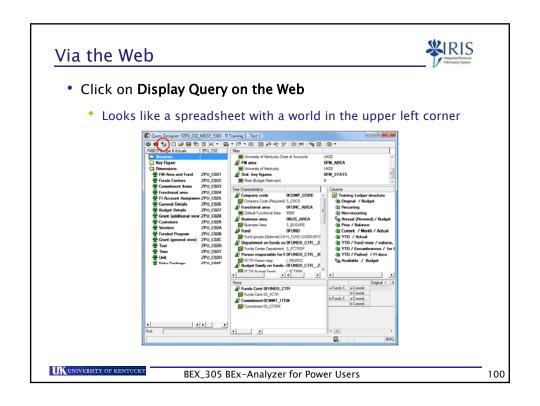


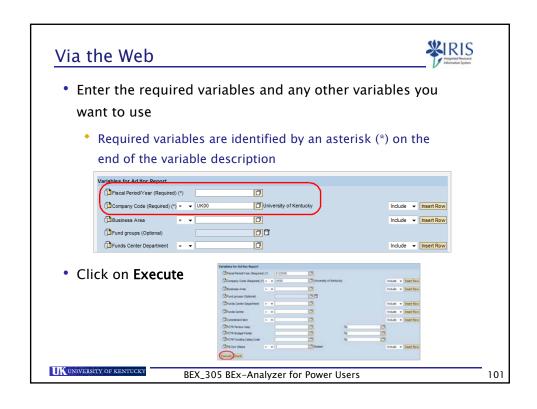


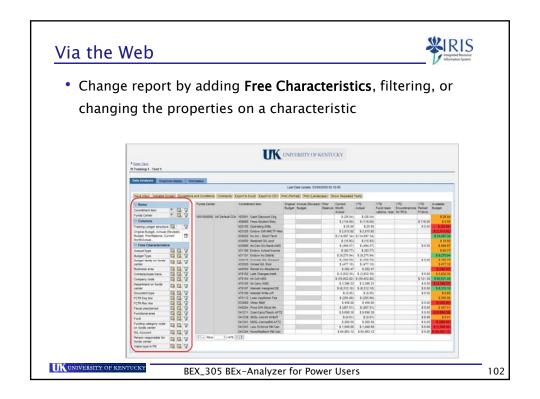


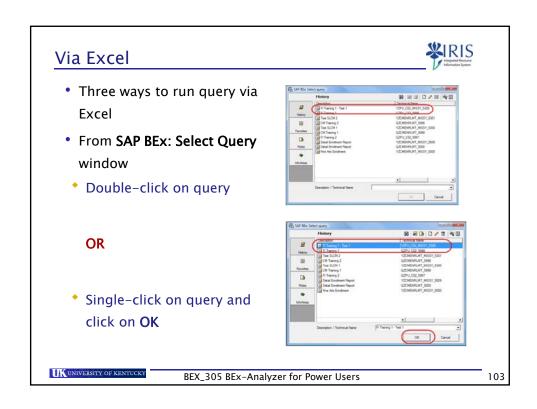


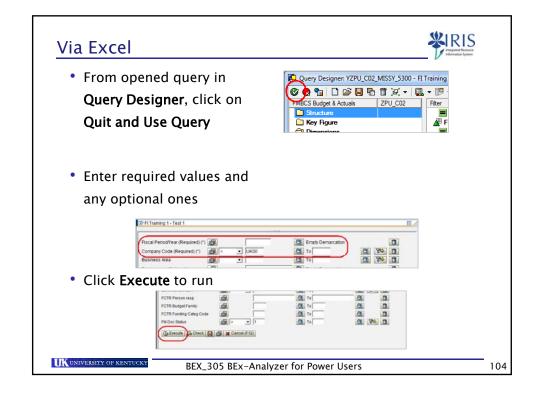


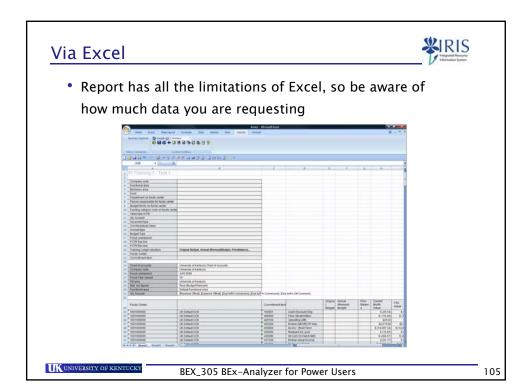


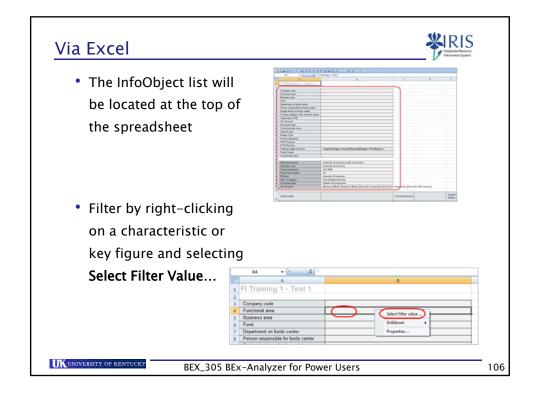


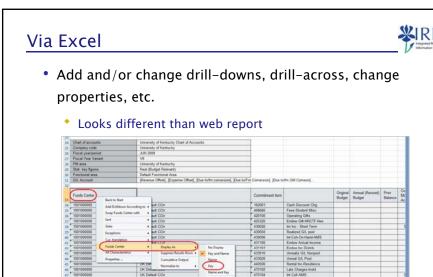


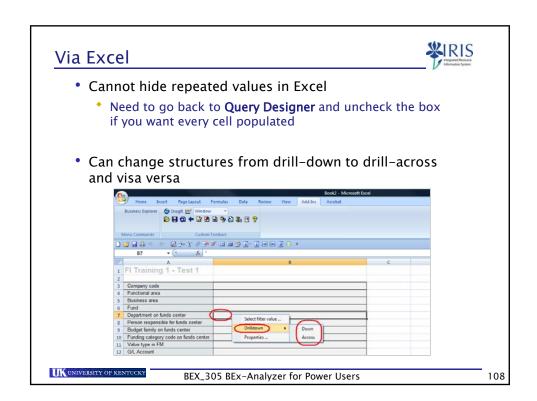








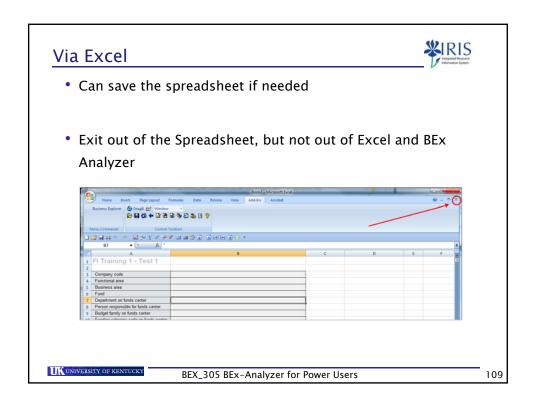


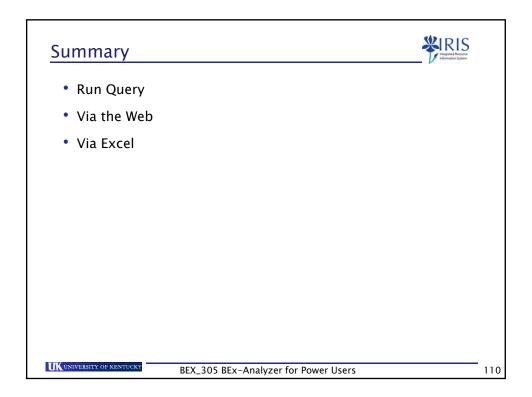


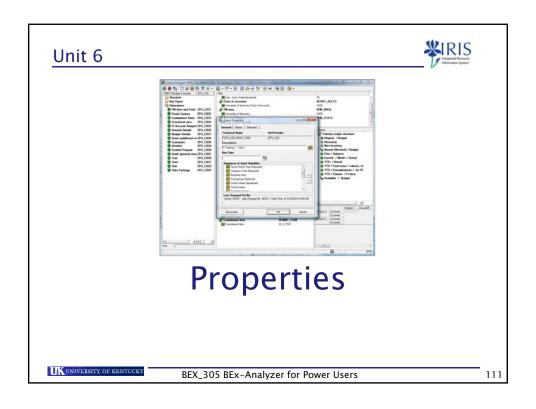
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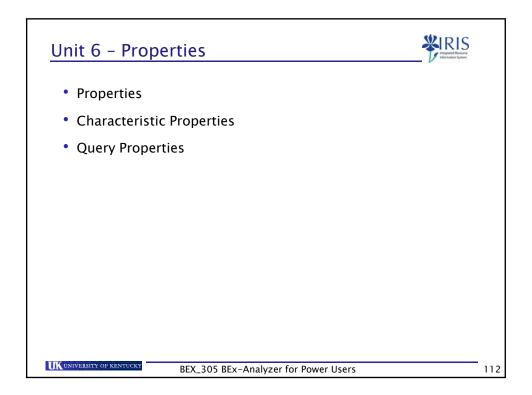
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Properties



- Use BEx Query Guidelines to make the query more efficient and standardized
 - Query Guidelines are available at http://myhelp.uky.edu/rwd/HTML/BW/BEX_Query_Guidelines.pdf
- Two types of properties
 - Characteristic
 - Query



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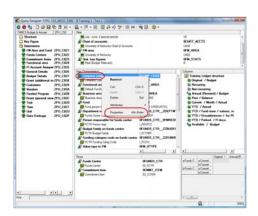
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Properties of Characteristics



- Right-click on each characteristic in both Rows and Free Characteristics frames
 - Do not need to change characteristics in the Filter frame
- Select Properties



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Properties of Characteristics



- Change Display As to Key and Text if available
 - If the characteristic text will always be the same as the key, just display as Key
 - If the default is **Standard Key and Text**, it also meets the Query Guidelines

 (Characteristic Properties for Characteristic Company code



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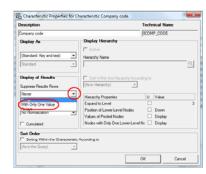
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Properties of Characteristics

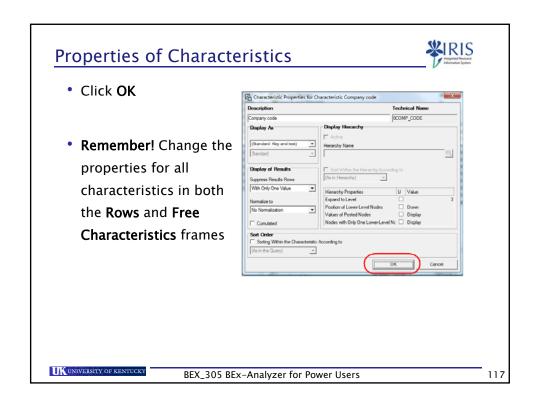


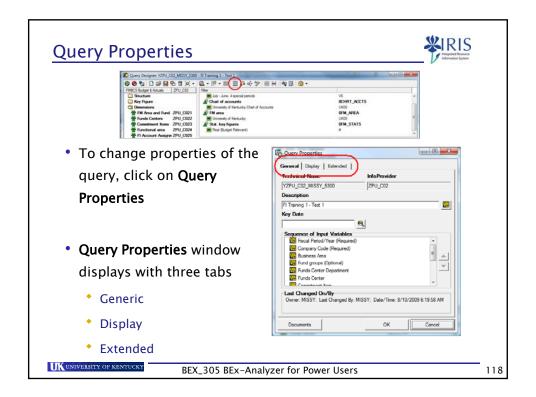
- Change Display of Results / Suppress Results Rows from Never to With Only One Value
 - Never means the Results rows always displayed
 - (Recommended) With Only
 One Value will suppress the
 Results rows when there is
 only one value that it
 represents
 - Always means the Results rows are not displayed

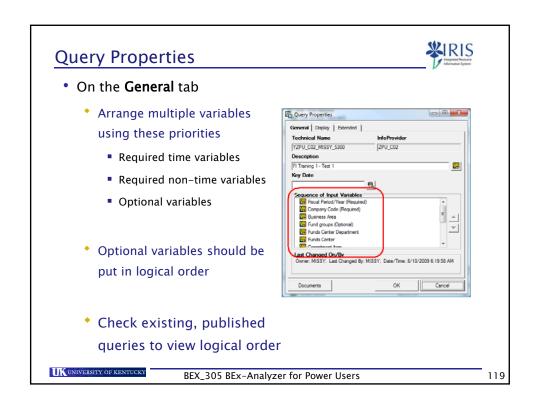


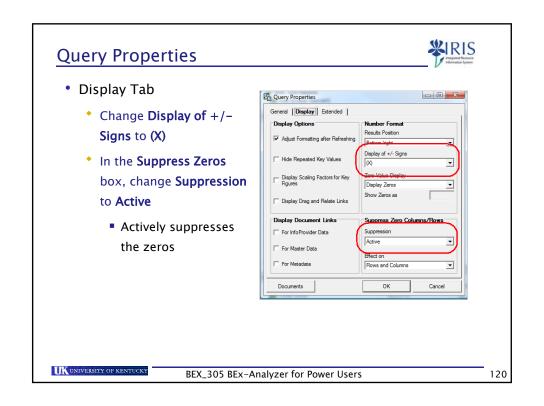
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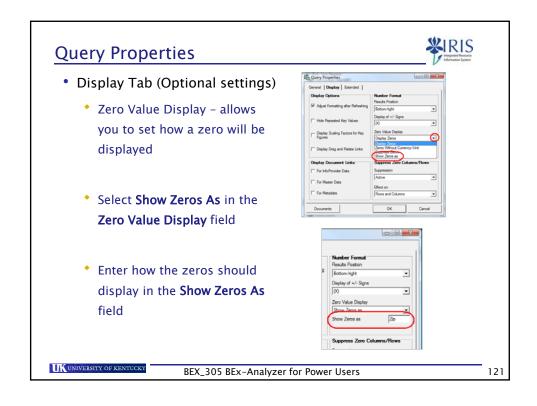
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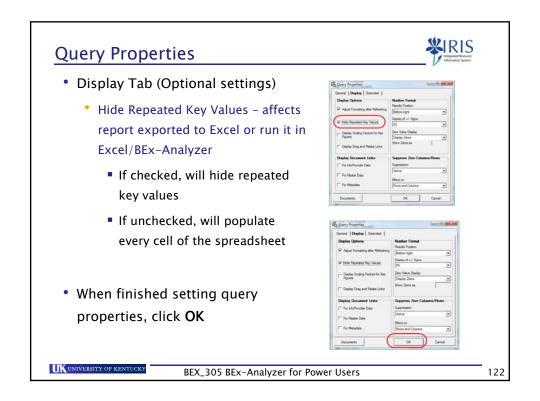












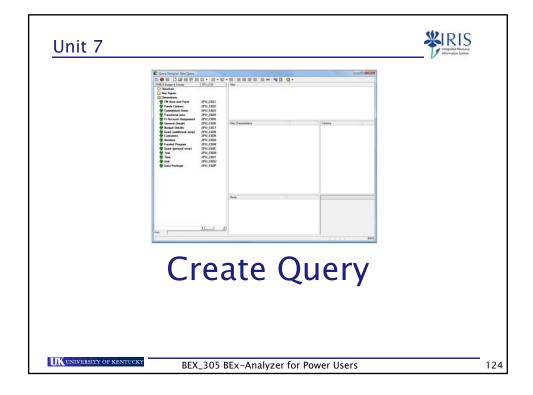
Summary



- Properties
- Characteristic Properties
- Query Properties

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Unit 7 - Create Query



- Create Query Without Using Existing Queries
- InfoProvider Icons
- Save Query

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Create Query



- To create a query, first determine what data you want to retrieve
- For example, to create a financial report on certain funds centers within a specific college, you may want:
 - Fiscal year/period, G/L Account, Fund, Functional Area, Encumbrances, Amnt in FM Area Crcy, etc.
- · Determine which InfoProvider contains needed data

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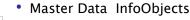
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InfoProvider Icons





- InfoCube
 - Provides both master data and transactional data
 - Quick because it is summarized data





- Provides only master data
- Quick



- Operational Data Store (ODS)
 - Stores consolidated and cleansed transaction data on a document level
 - Slower than using InfoCubes or Master Data InfoObjects
 - Faster than MultiProviders or InfoSets

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InfoProvider Icons





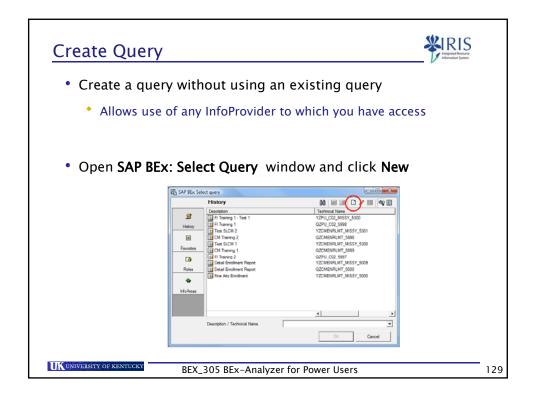
- MultiProviders
 - Combines data from several InfoProvders with a union operation making it available for reporting
 - Slower than using InfoCubes, Master Data InfoObjects, ODS objects

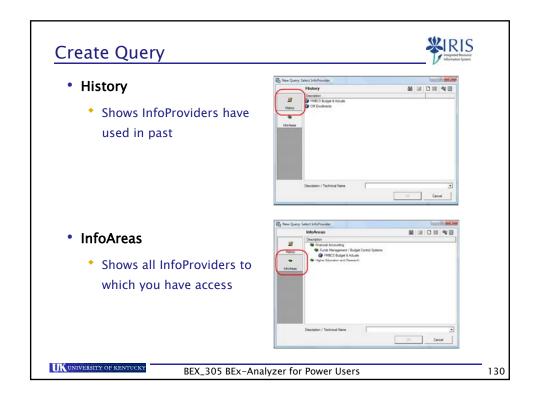


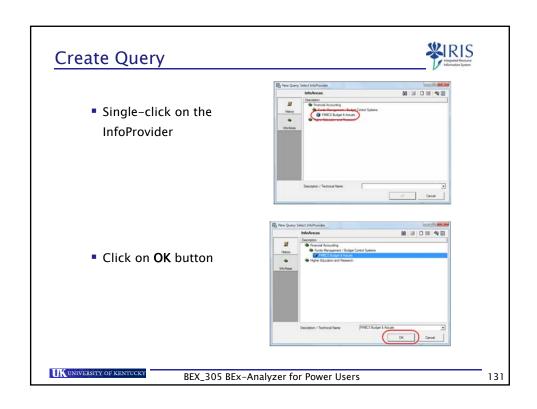
- InfoSets
 - Allows creation of reports on ODS objects, InfoCubes, and InfoObjects
 - Slower than using InfoCubes, Master Data InfoObjects, ODS objects

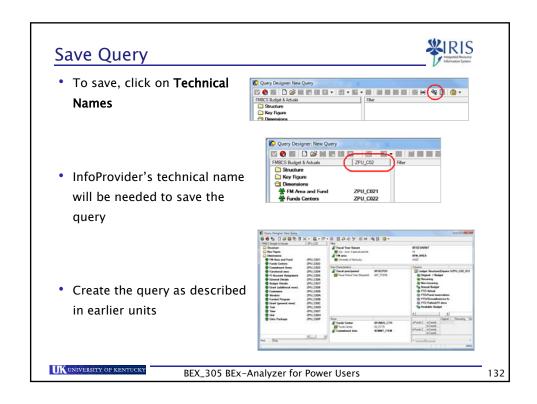
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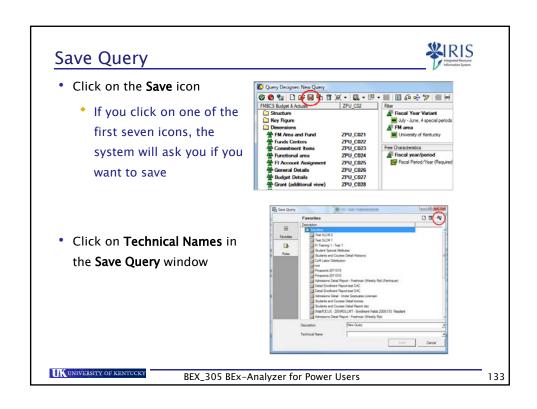
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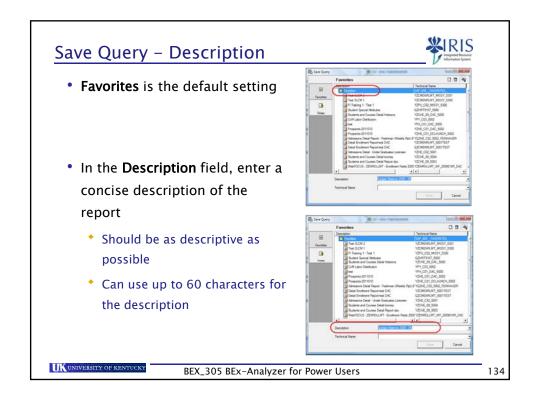








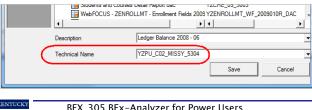




Save Query - Technical Name



- You must use the BEx Query Naming Standards for the Technical Name
 - Identifies it as a Power User's query
 - Provides the InfoProvider's identity
 - Provides the identity of the User who created it
 - Shows that it is a customized query
 - Customized queries should use sequential numbers in the range of 5000 to 9999



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Save Query - Technical Name



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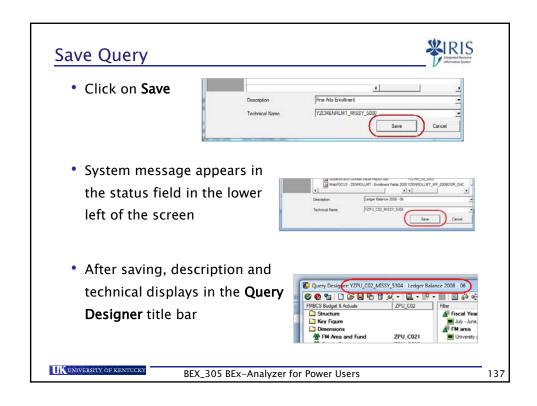
• Enter a Technical Name following BW Naming Standards

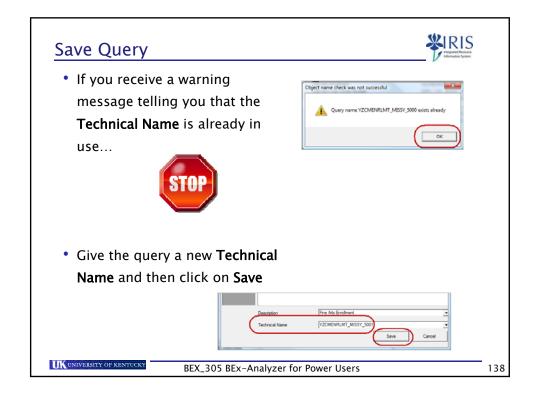
YZPU_C02_USER01_5000

- Y is a must for Power Users
- * Cube technical name of the InfoProvider
- Underscore
- Userid your Active Directory Services userid
- Underscore
- Nnnn Your next number available for that InfoProvider
 - Starting number is 5000

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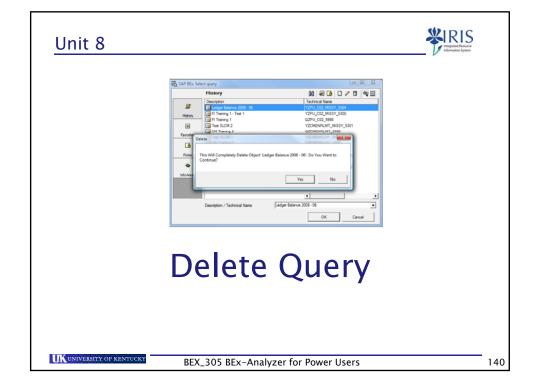
Summary



- Create Query Without Using Existing Queries
- InfoProvider Icons
- Save Query

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Unit 8 - Delete Query



• Delete a Query

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Delete Query

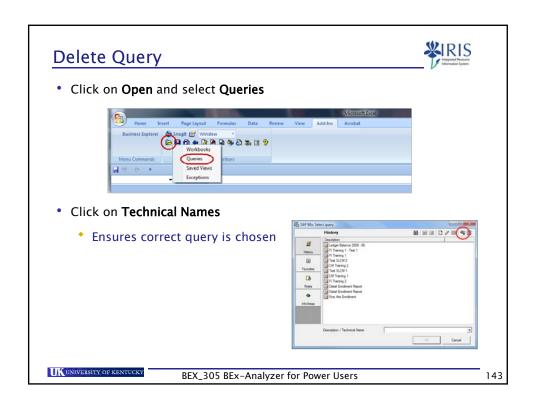


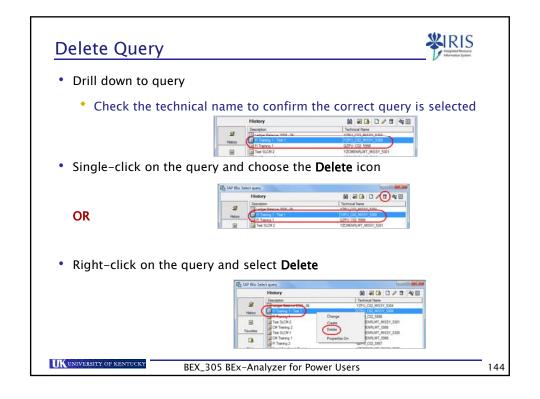
- Be careful when deleting a query to make sure you are deleting the correct one
- Be aware of the technical name to ensure you are deleting your query and not someone else's query, since the descriptions can be identical
- You cannot delete a query with a technical name starting with Q
- If you are not sure, STOP! DO NOT PASS GO!....

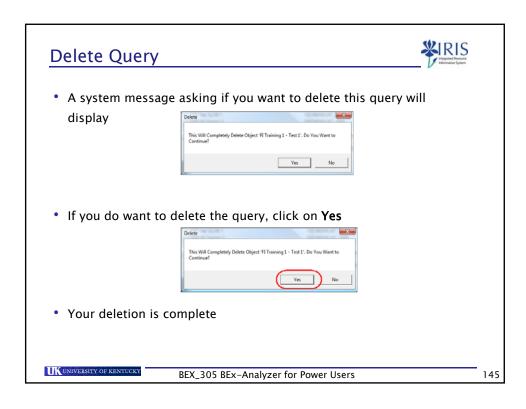


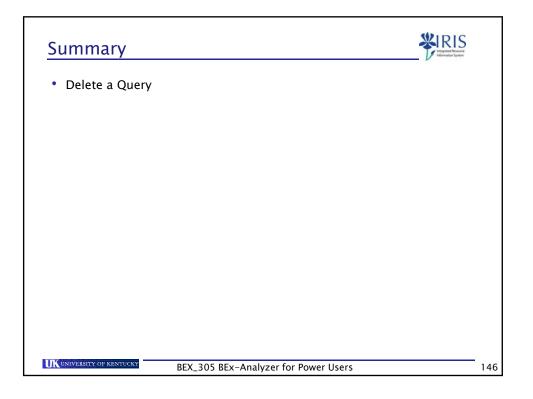
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Unit 9





Query Views

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Unit 9 - Query Views



- Creating & Saving a Query View
- Run a Query View
- Change a Query View
- Delete a Query View

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Query Views



- A query view is a picture of a query that saves any formatting done to the output of the query (the report)
- · Examples of formatting
 - Hiding key figures from the initial display of the report
 - Drill-down
 - Drill-across
 - Swap columns

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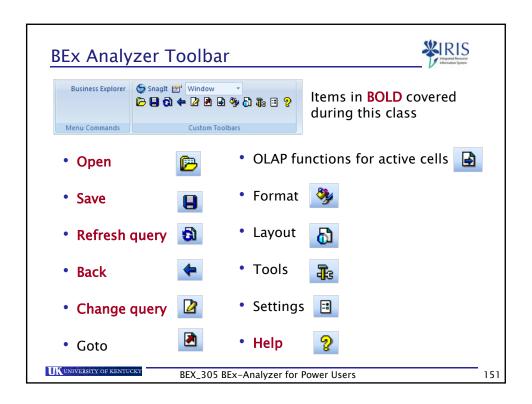
Query Views

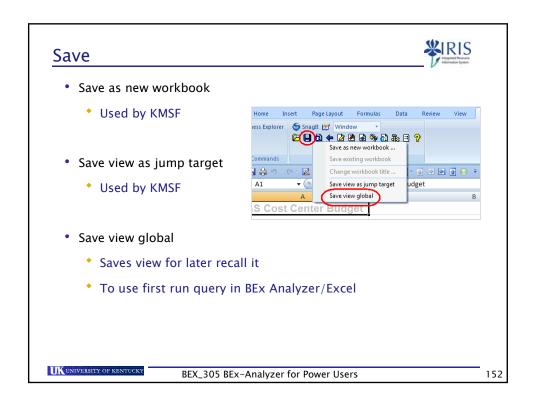


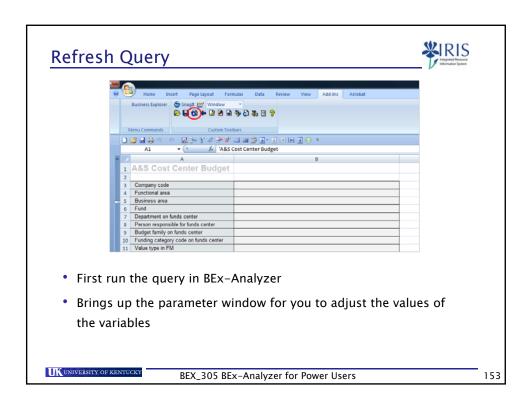
- Can save and run query views from BEx-Web, just like the End User
- · Power user can do more
 - Can actually change the original query view
 - Can delete the original query view
 - The only way to delete a query view is through BEx-Analyzer

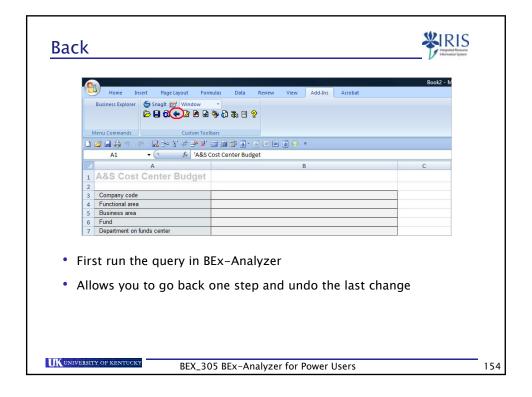
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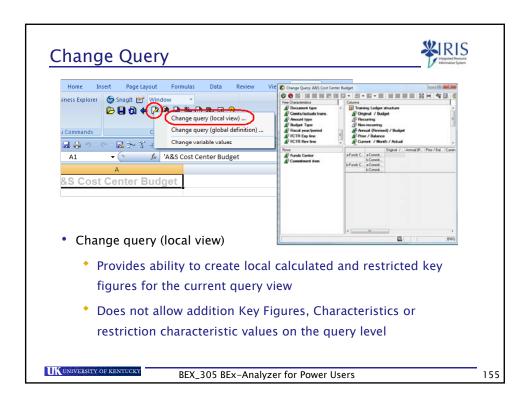
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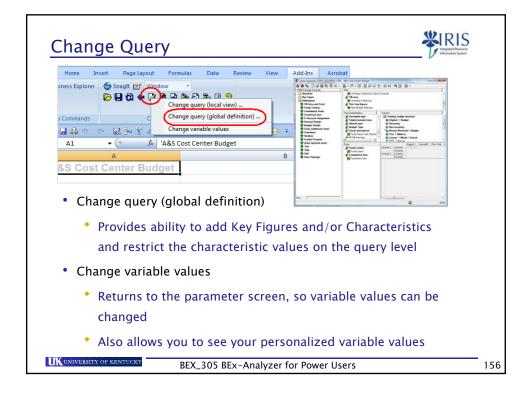


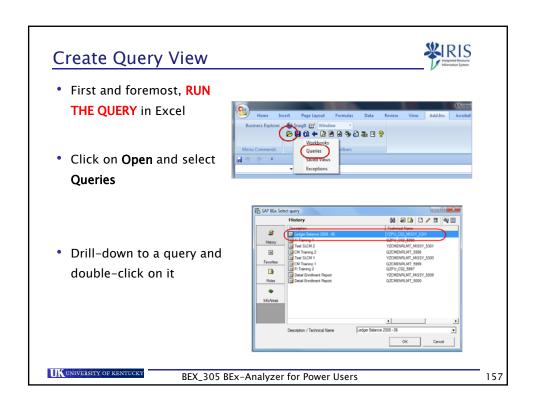


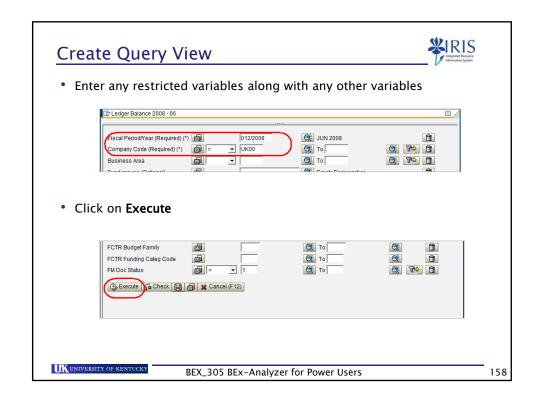


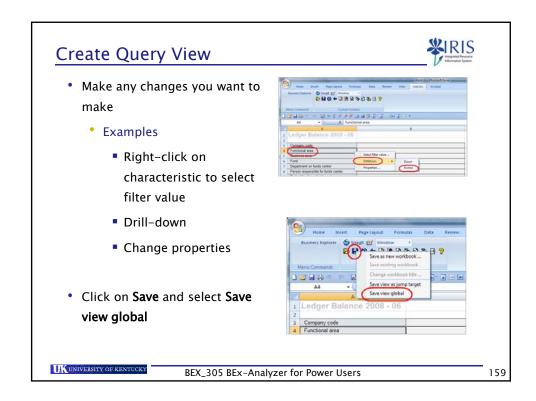


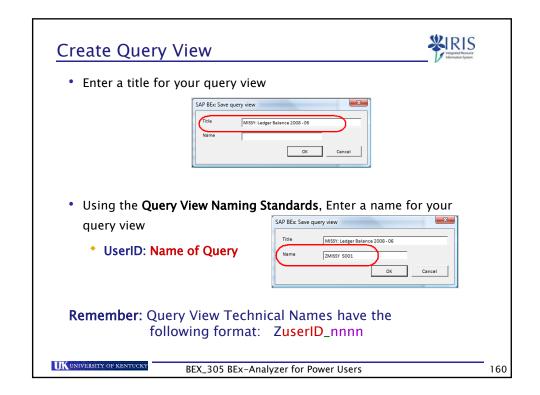


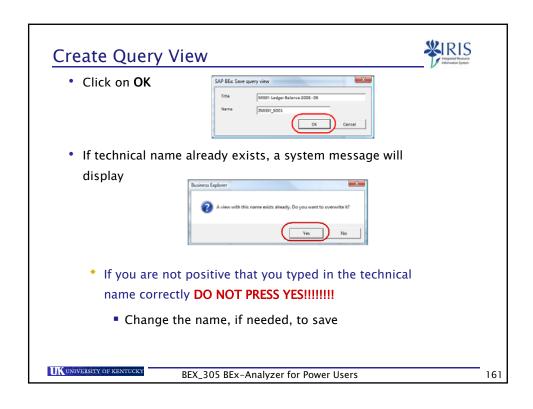


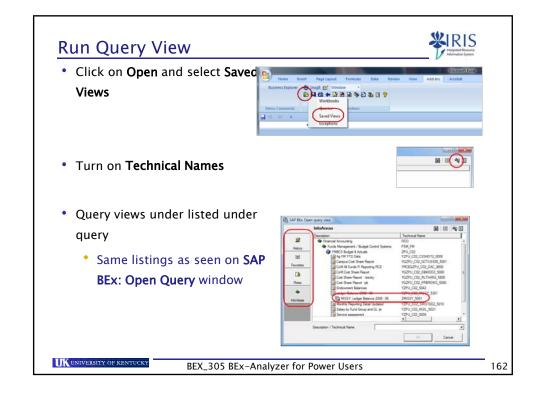


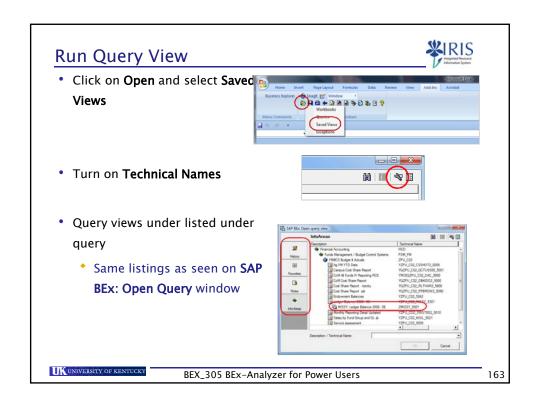


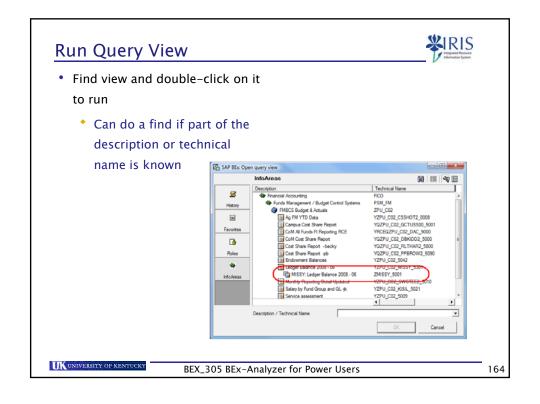


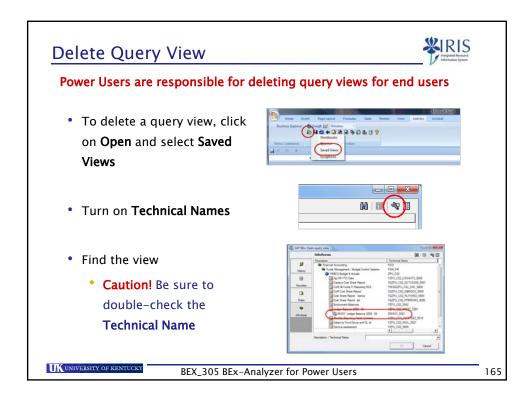


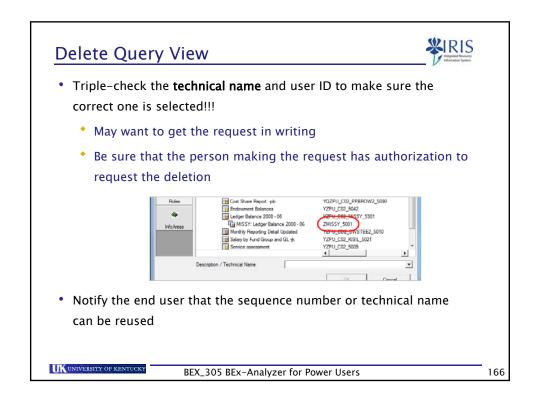


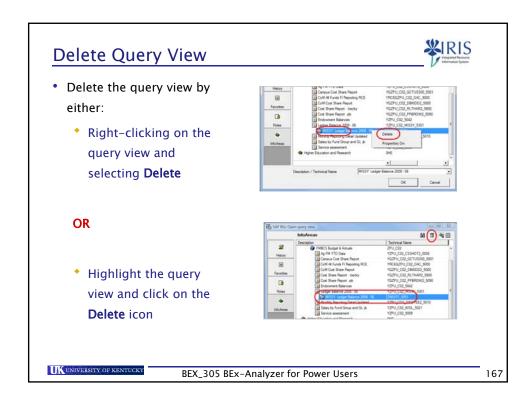


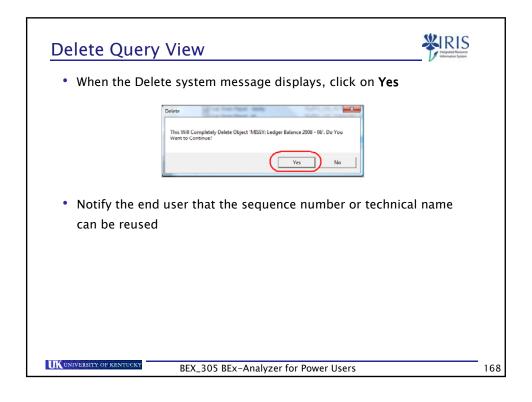












Summary



- · Creating & Saving a Query View
- · Run a Query View
- · Change a Query View
- Delete a Query View

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Power User Help Websites



- myHelp website:
 - http://myHelp.uky.edu/rwd/HTML/BW.html
 - Contains Quick Reference Cards (QRCs), course manuals, BW Frequently Asked Questions, and other job aids
- IRIS website
 - http://www.uky.edu/IRIS/BW/
 - Contains Documentation, Assistance & Support, and other references
- For the list of current Power Users, go to:
 - http://www.uky.edu/IRIS/BW/documents/PowerUserList_003.pdf
- For questions or assistance contact:
 - * BI-Requests@email.uky.edu

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Course Summary



- Understand how to:
 - Display a Query
 - Create Using an Existing Query
 - Save a Query
 - Run Query
 - Setting Properties
 - Create Query
 - Delete Query
 - Create/Change/Delete Query View



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