Part 2
New Features - IBM Cognos 10.2 BI

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Agenda

- Overview of New features in IBM Cognos 10.2

  – Report Studio
    - Prompt API
    - Macro Expressions
    - Report Outputs
    - Active Report Repeaters

  – IBM Cognos Viewer
    - Freeze/unfreeze column headings

  – IBM Cognos Mobile
    - iOS Push Notification
    - Multi-lingual bursting
    - Mobile Capability

  – Lifecycle Manager

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IBM Cognos Report Studio

Prompt API

- provides a method of customizing prompt interaction in the reports
- Placed in an HTML object
- Three basic actions:
  - Set Prompt Values
  - Read Prompt Values
  - Clear Prompt Values

More Information:

- Report Studio User Guide Appendix F
- Sample reports – Sample Prompt API package

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Prompt API … Contd

- **cognos.Prompt object**
  - Defines the class that contains a prompt object from a report.
- **cognos.Prompt.getControlByName method**
  - Returns the control object associated with a name.

Example

-The following is an example of the clearMyPrompt() function.

```
<script type="text/javascript">
function clearMyPrompt() {
var oCR = cognos.Report.getReport("_THIS_");
var myPrompt = oCR.prompt.getControlByName("myPrompt");
myPrompt.clearValues();
} </script>
```


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Prompt API … Contd

- **cognos.Prompt.getControls method**

- Returns an array of all controls associated with the report

- **cognos.Prompt.Control.addValues method**

- Add an array of values to a control.

- **cognos.Prompt.Control.clearValues method**

-Clear (or deselect) all values for this control

- **cognos.Prompt.Control.getName method**

-Returns the name of the control.

- **cognos.Prompt.Control.getValues method**

-Returns the current value for the control.

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Prompt API … Contd

Some Sample Reports showing Prompt API implementation

(These reports can be found in the Samples_Prompt_API folder)

-**Clear prompt selections**

-Date prompt presets

-Display all prompt values ignoring user selections

-Display user selected prompt values

-Filter country by letter

-Limit date prompt selection by database value

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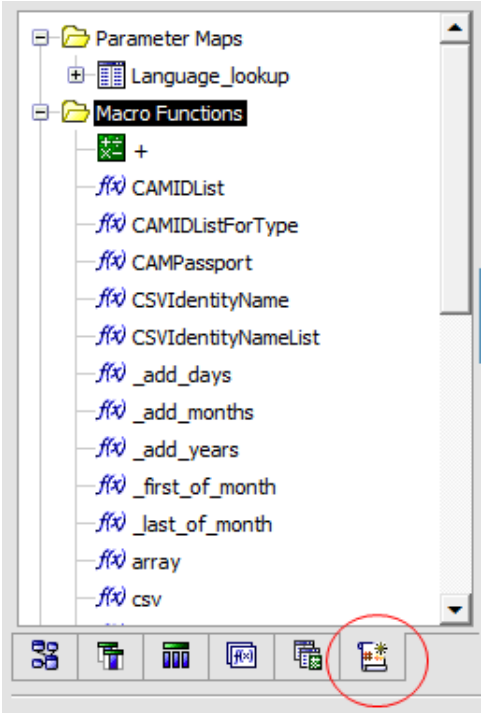
IBM Cognos Report Studio

Macro Expressions

- list contains functions that can be used within a macro
- Could be used in previous versions. Now exposed in Report Studio 10.2



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IBM Cognos Report Studio

Report Outputs

- Excel 2007 (increased)
  - Increased maximum of 256 columns to 16,384 columns and 65,000 rows by 1,048,576 rows
  - ReportService and Batchreport Service : Advanced Server Property (global setting)
    - RSVP.EXCEL.EXCEL_2007_LARGE_WORKSHEET=true
    - RSVP.EXCEL.EXCEL_2007_WORKSHEET_MAXIMUM_ROWS = >=1,048,576
    - RSVP.EXCEL.EXCEL_2007_OUTPUT_FRAGMENT_SIZE = >=1,048,576

- Excel 2007 Data – (new option)
  - Small, fast and used for small scale data transfer to Excel
  - Supports lists only
  - Saves data to Excel 2007 native (.xlsx)
  - Does not preserve formatting

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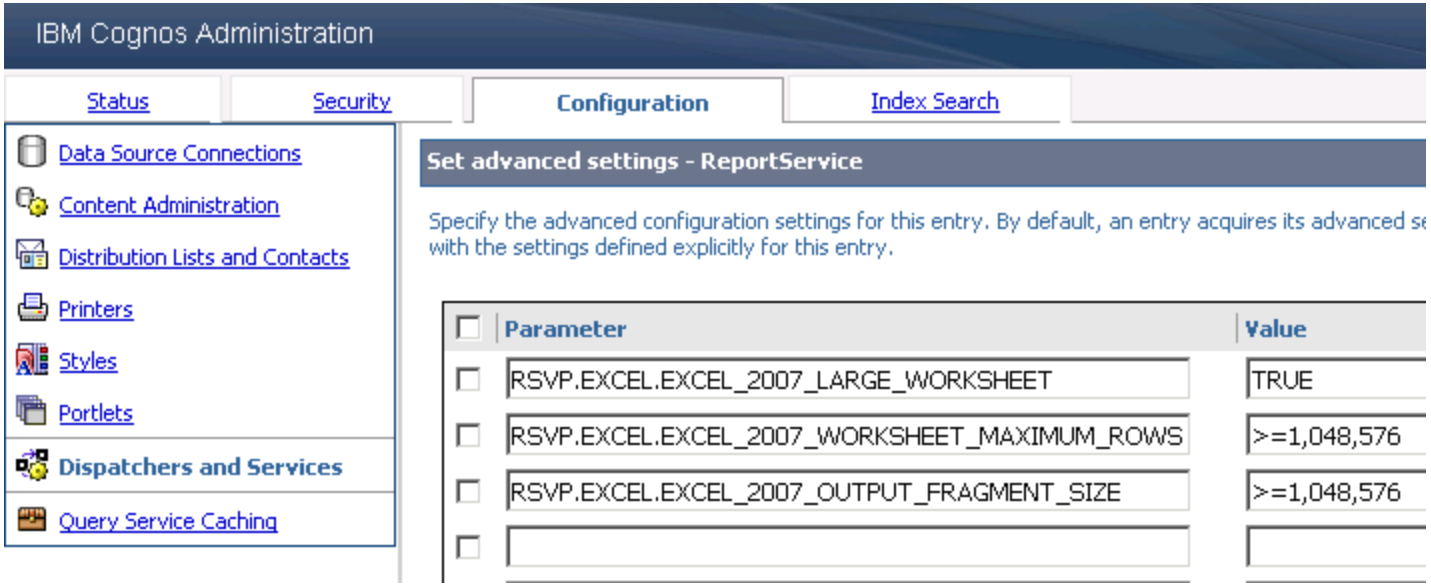
Report Outputs … Contd



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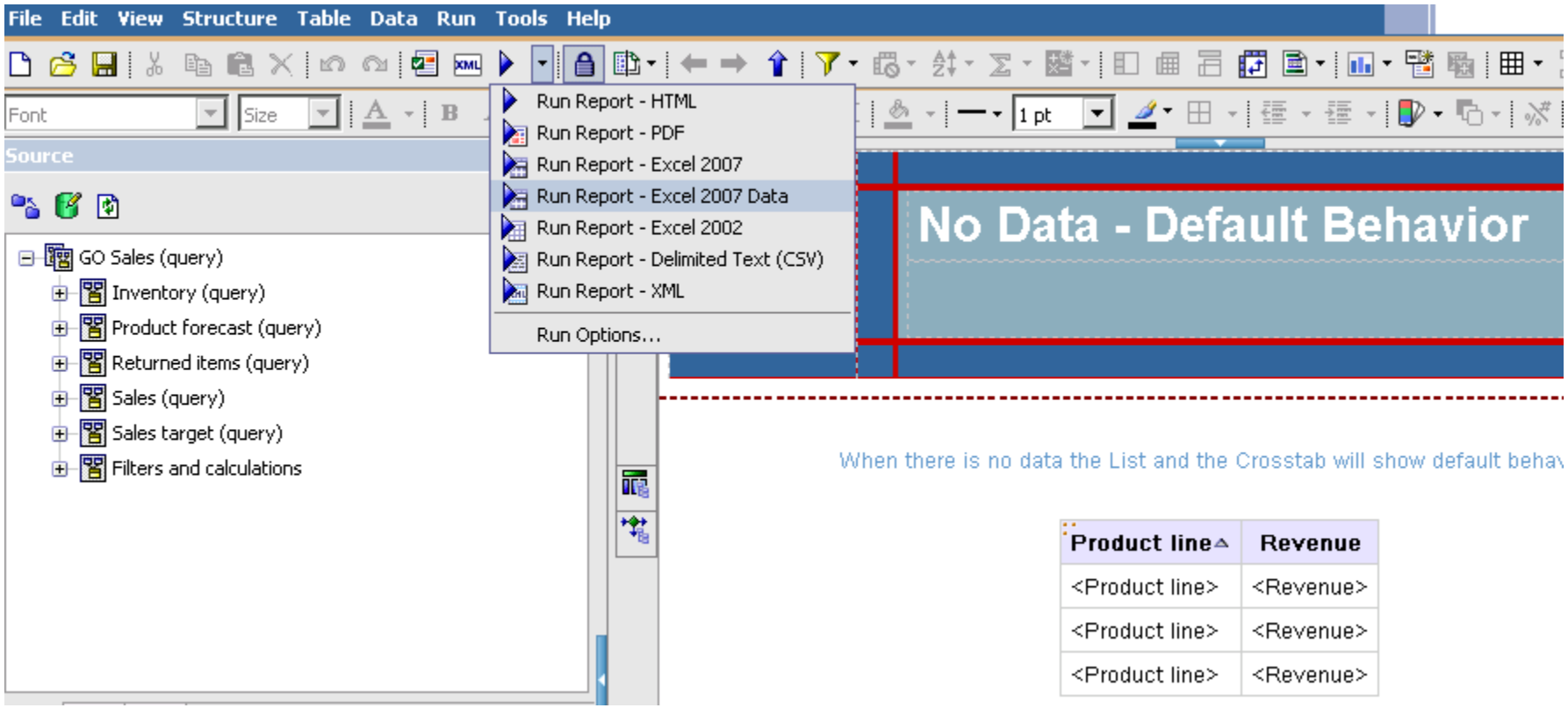
Report Outputs … Contd



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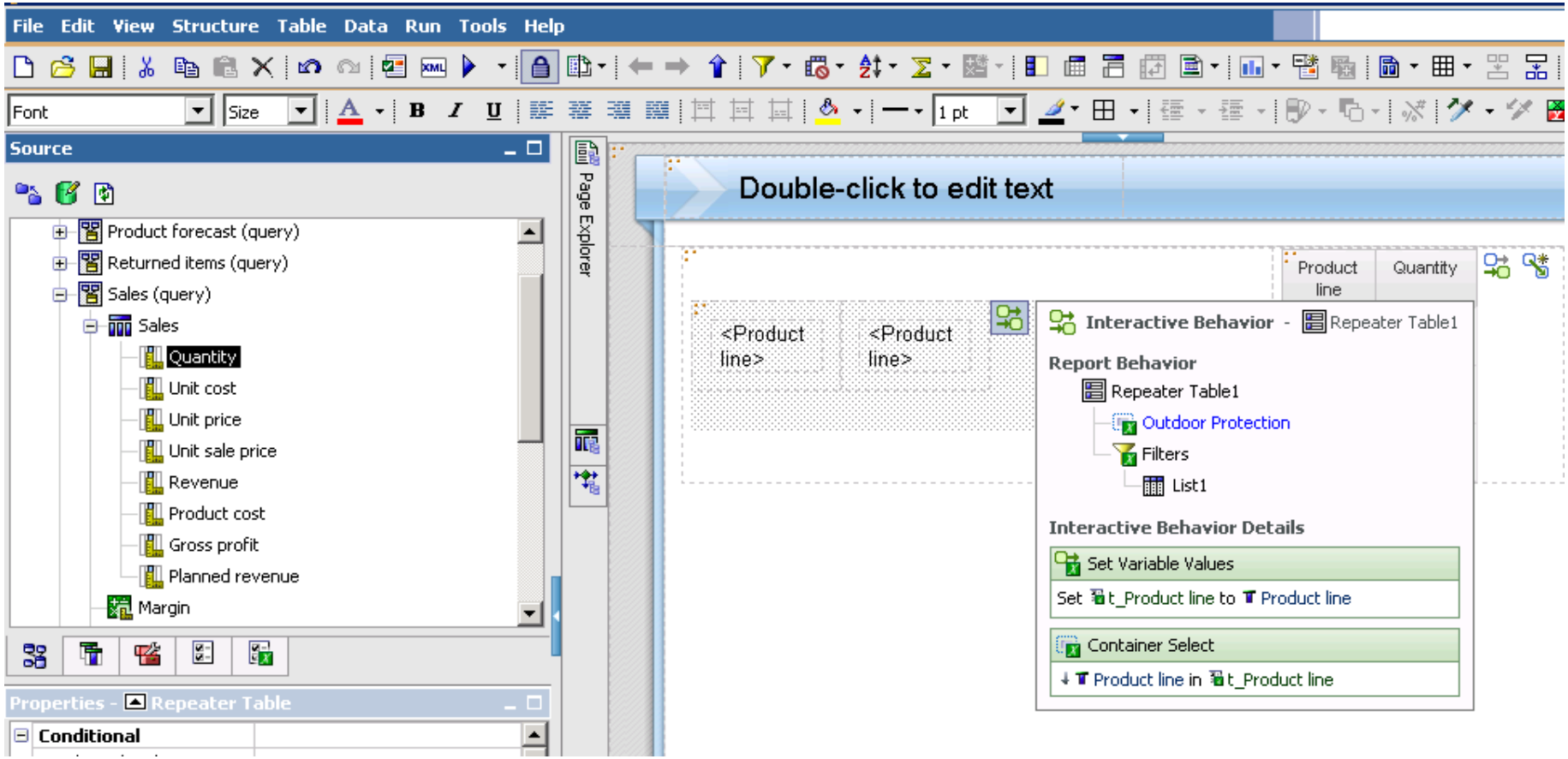
IBM Cognos Report Studio

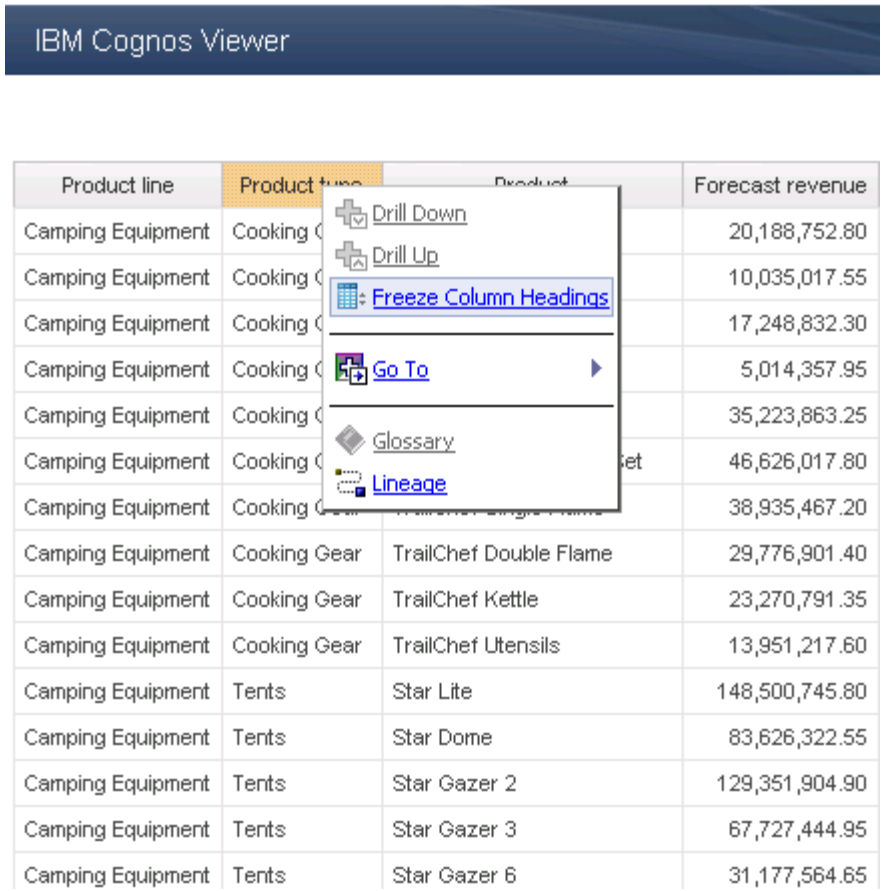
Active Report Repeaters

- Repeater frames to add interactive behavior to the repeater table



IBM Cognos Viewer

Freeze Column Headings



Product line	Product type	Product	Forecast revenue
Camping Equipment	Cooking Gear		20,188,752.80
Camping Equipment	Cooking Gear		10,035,017.55
Camping Equipment	Cooking Gear		17,248,832.30
Camping Equipment	Cooking Gear		5,014,357.95
Camping Equipment	Cooking Gear		35,223,863.25
Camping Equipment	Cooking Gear		46,626,017.80
Camping Equipment	Cooking Gear		38,935,467.20
Camping Equipment	Cooking Gear	TrailChef Double Flame	29,776,901.40
Camping Equipment	Cooking Gear	TrailChef Kettle	23,270,791.35
Camping Equipment	Cooking Gear	TrailChef Utensils	13,951,217.60
Camping Equipment	Tents	Star Lite	148,500,745.80
Camping Equipment	Tents	Star Dome	83,626,322.55
Camping Equipment	Tents	Star Gazer 2	129,351,904.90
Camping Equipment	Tents	Star Gazer 3	67,727,444.95
Camping Equipment	Tents	Star Gazer 6	31,177,564.65

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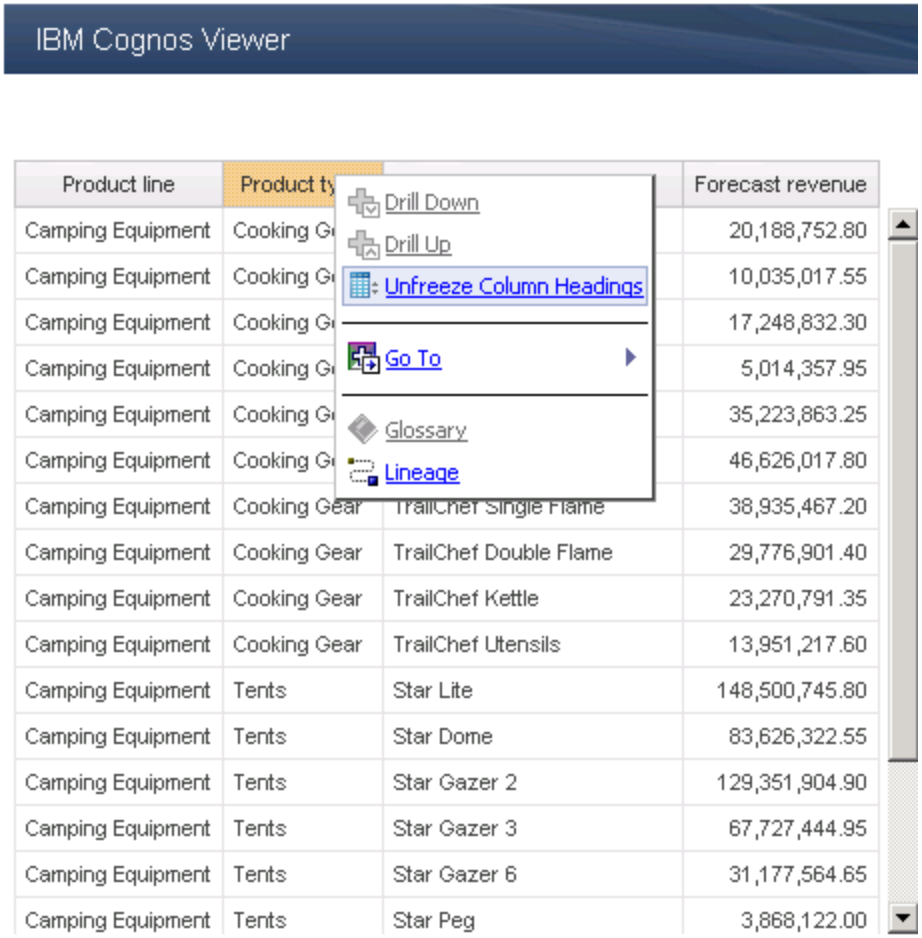
Unfreeze Column Headings



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IBM Cognos Mobile

- iOS Push Notification – iPad App Only
  - Push can be enabled per server, allowing users to opt out if preferred
  - Leverages normal iOS banner mechanisms such as positions and behaviors
  - Tapping the notifications opens the App to the selected report

- Multi Lingual Bursting

  - A user will receive a bursted report in their preferred language.

  - When the preferred language is not available, the user will receive the report in the language set as the server default

  - The reports are differentiated by burst key

- "Mobile" Capability and "Mobile Users" Role :
  - "Mobile" Secured Function added to control the access of users to IBM Cognos Mobile.
  - A new role "Mobile Users" to help with setting up access permissions for the Mobile.

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iOS Push Notification – iPad App Only

- What is it? Ability to receive a notification when a new report or a new version of a report is push to iPad
- Push can be enabled per server, allowing users to opt out if preferred
- Leverages normal iOS banner mechanisms such as positions and behaviors
- The scheduler notifies Apple to push a notification to the user

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iOS Push Notifications: How to?

- First, in Cognos Configuration Dispatcher and Services, ensure that ApplePushNotification.Level setting
- for the Dispatcher's MobileService is set to 'Name' (default) or 'Generic'.
- – Name: displays the name of the report in the notification message
- – Generic: will notify that there a new report has been received but without including the name of the report.

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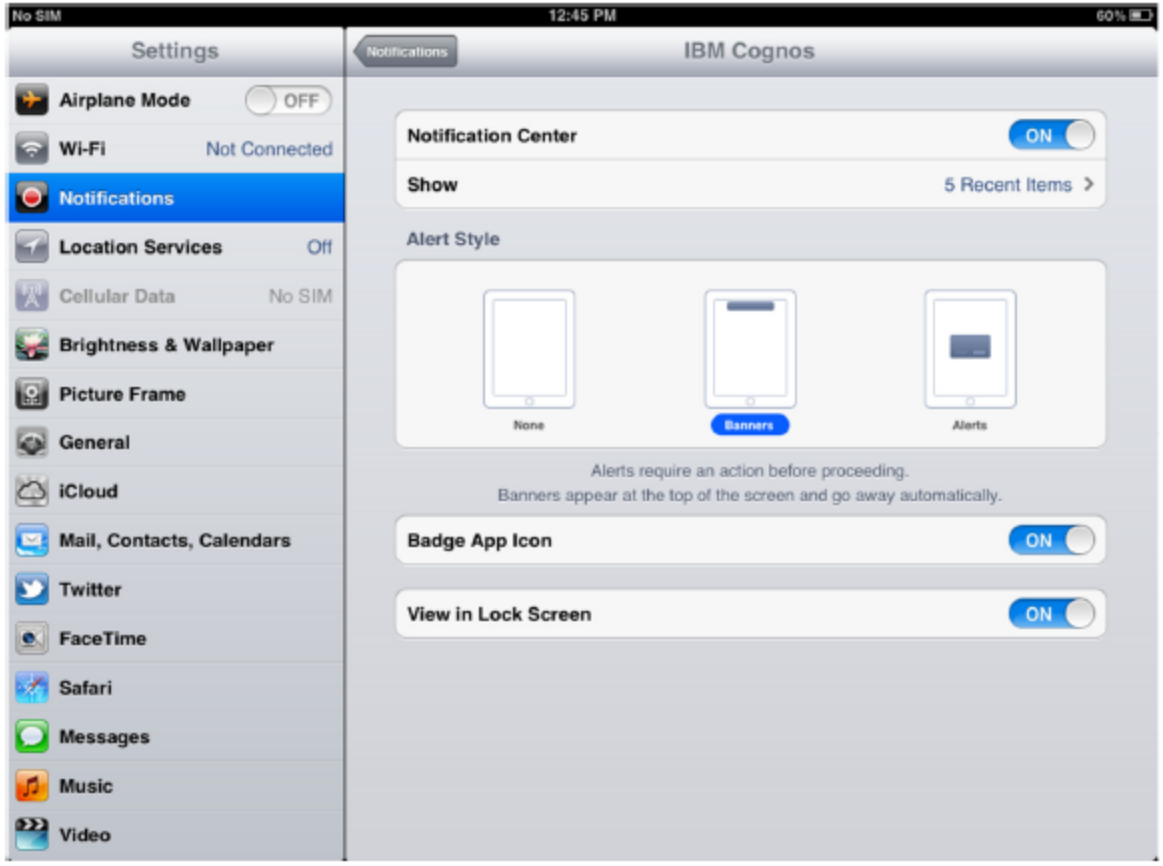
iOS Push Notifications: How to?

- Next, on the iPad, Settings->Notifications->IBM Cognos App:
- Go to device's settings
- Click Notifications
- Click IBM Cognos
- Select your type of notification:
  - None
  - Badges
  - Alerts



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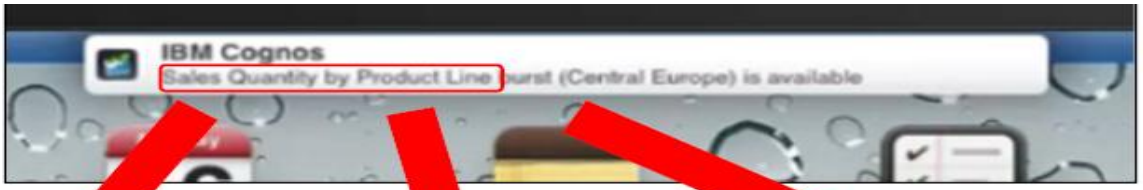
Multi-lingual bursting

- A user will receive a bursted report in their preferred language. This is **NOT** new
- When the preferred language is not available, the user will receive the report in the language set as the server default. This **IS** new.



User 1
Vente des produits
Pref: French

User 2
Cantidad de ventas
Pref: Spanish

User 3
Sales Quantity
Pref: Romanian

No burst output for this pref language. Default is set to English

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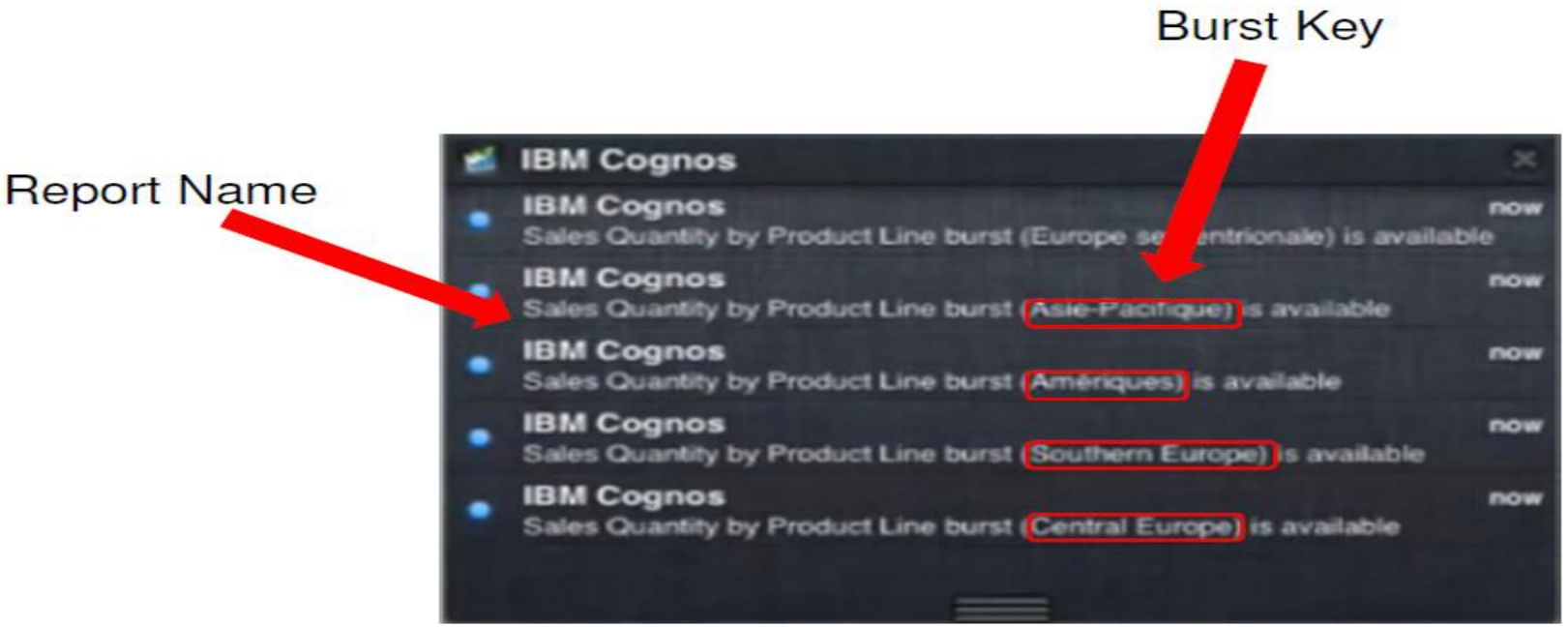
Multi-lingual bursting (Cont…)

What is it? A user can receive multiple bursted copies of the same report:
For example: Overall manager could receive the reports of each of his regions' managers
The reports are differentiated by burst key. This **IS** new.
Previous versions did not include burst key in the report name, which means that all the
bursted versions had the same name and would therefore overwrite each other.



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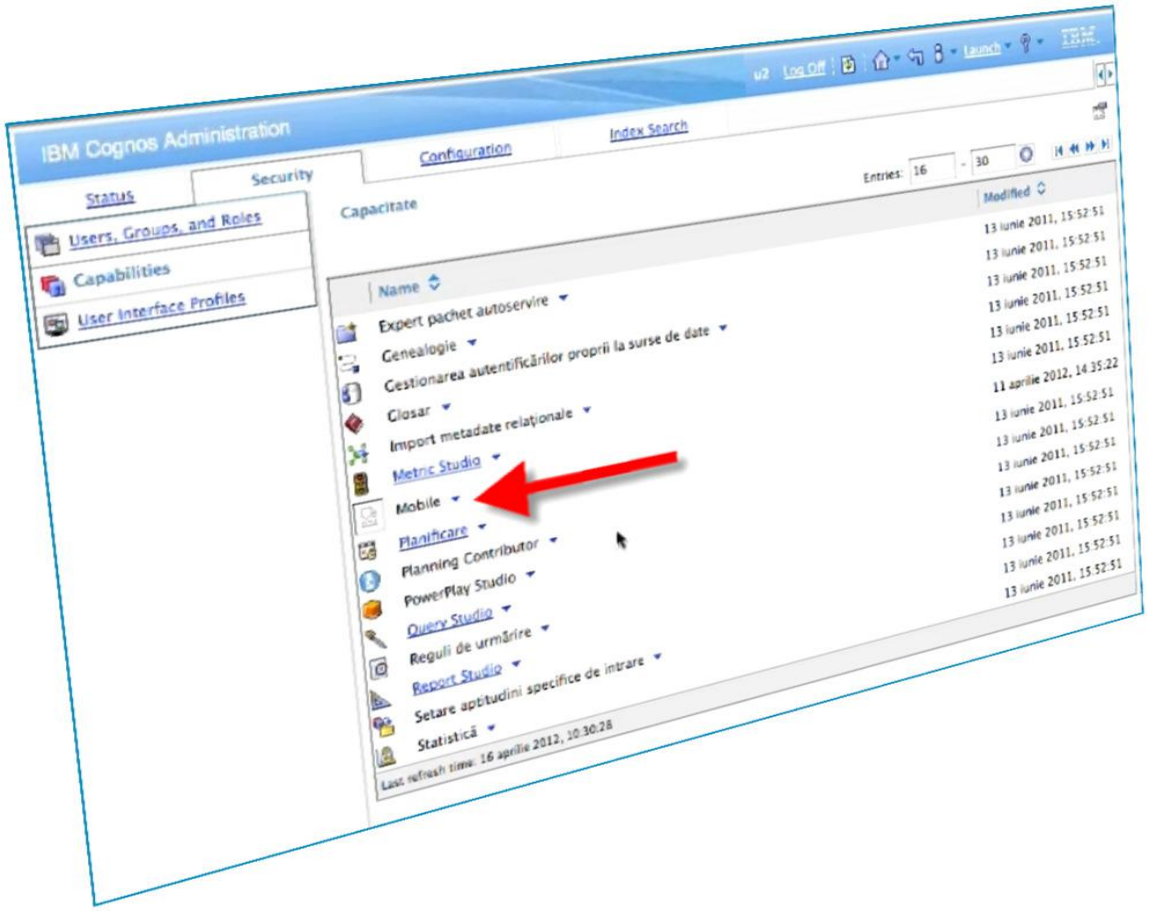
Cognos Admin Mobile Capability

- What is it?
- – Ability to restrict which users have access to the Mobile Server
- New “Mobile Users” group and “Mobile” capability



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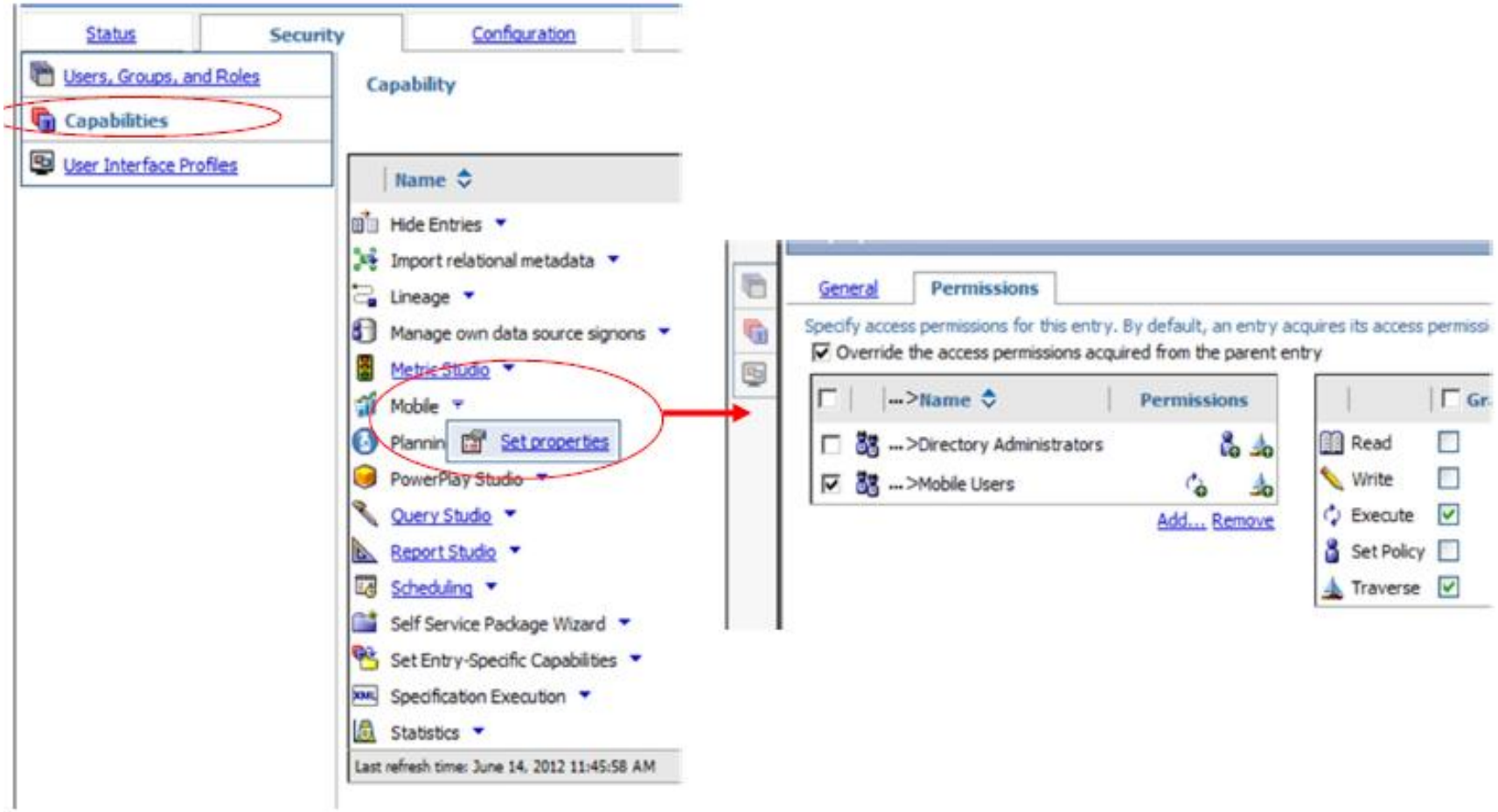
Cognos Admin Mobile Capability: How to?

- In Security's capabilities, a new group called Mobile Users is assigned to Mobile Capabilities



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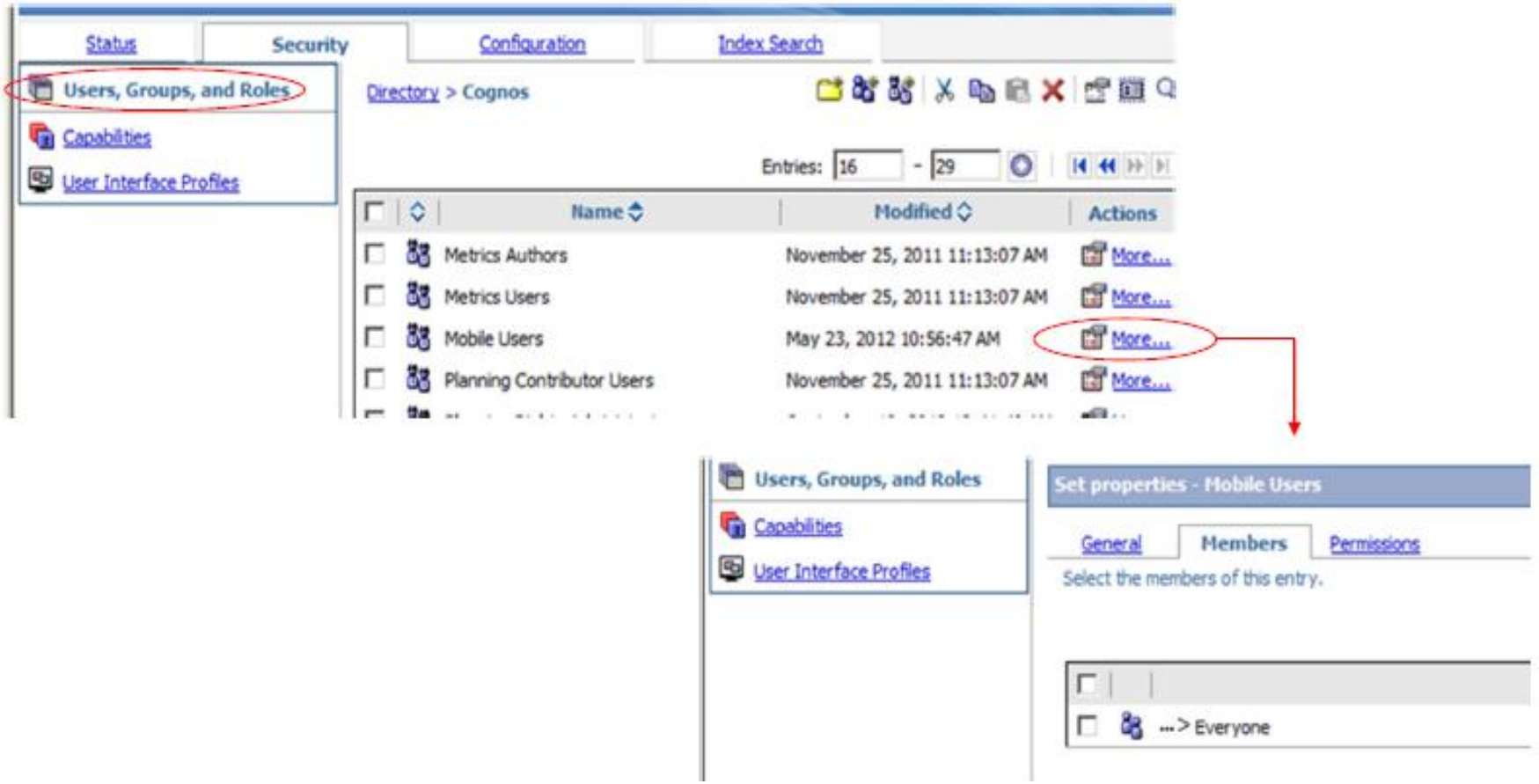
Cognos Admin Mobile Capability: How to? (Cont…)

- In the section Users, Group and Roles, open properties for group Cognos > Mobile
- In the Member tab, replace the default group Everyone with the UserID's of those allowed access from a mobile device



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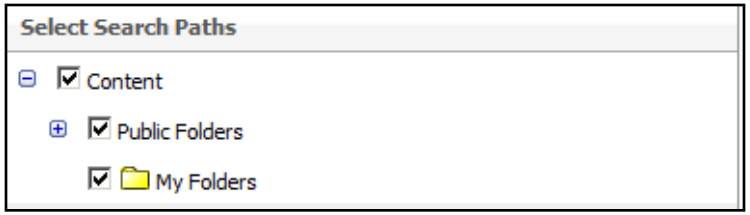
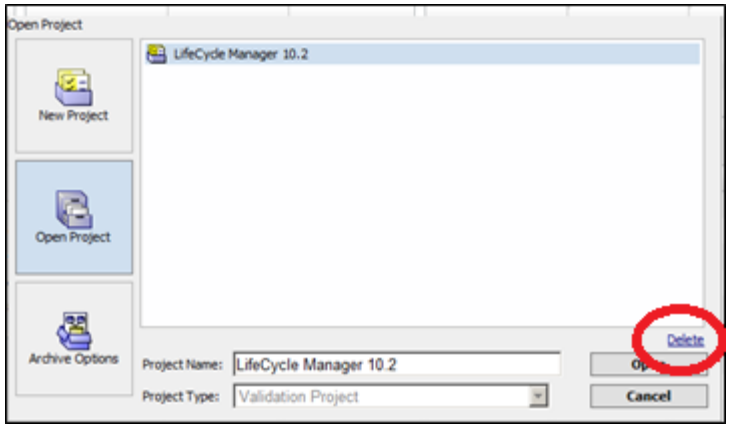
Lifecycle Manager

- My Folders support
  - You can now access My Folders content that belongs to the authenticated user



- Delete Projects
  - Using either “New Project” or “Open Project”, you can now delete no longer required projects without requiring access permissions to LifeCycle Manager install location



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References

- http://public.dhe.ibm.com/software/data/cognos/documentation/docs/en/10.2.0/ug_cra.pdf
- http://public.dhe.ibm.com/software/data/cognos/documentation/docs/en/10.2.0/crn_nf.pdf
- http://public.dhe.ibm.com/software/data/cognos/documentation/docs/en/10.2.0/ug_cr_rptstd.pdf

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Q & A Session

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