

Part 2

New Features - IBM Cognos 10.2 BI



Cognos Open Mic Team



Shashwat Dhyani – Cognos Support Engineer

Presenter



Reena Nagrale – Cognos Support Engineer

Open Mic Facilitator



Vijendra Sawant – Cognos Support Engineer

Technical Panel Member

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

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

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>
```

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.

Prompt API ... Contd

Some Sample Reports showing Prompt API implementation

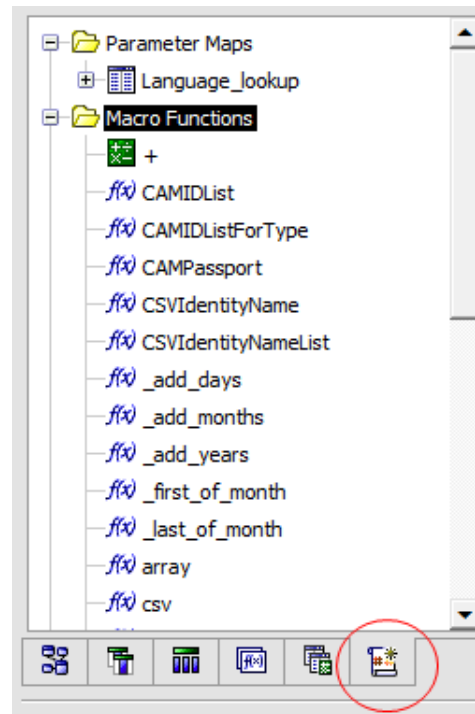
(These reports can be found in the Samples_Prompt_API folder)

- 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

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



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

Report Outputs ... Contd

IBM Cognos Administration

[Status](#)[Security](#)[Configuration](#)[Index Search](#)

[Data Source Connections](#)

[Content Administration](#)

[Distribution Lists and Contacts](#)

[Printers](#)

[Styles](#)

[Portlets](#)

[Dispatchers and Services](#)

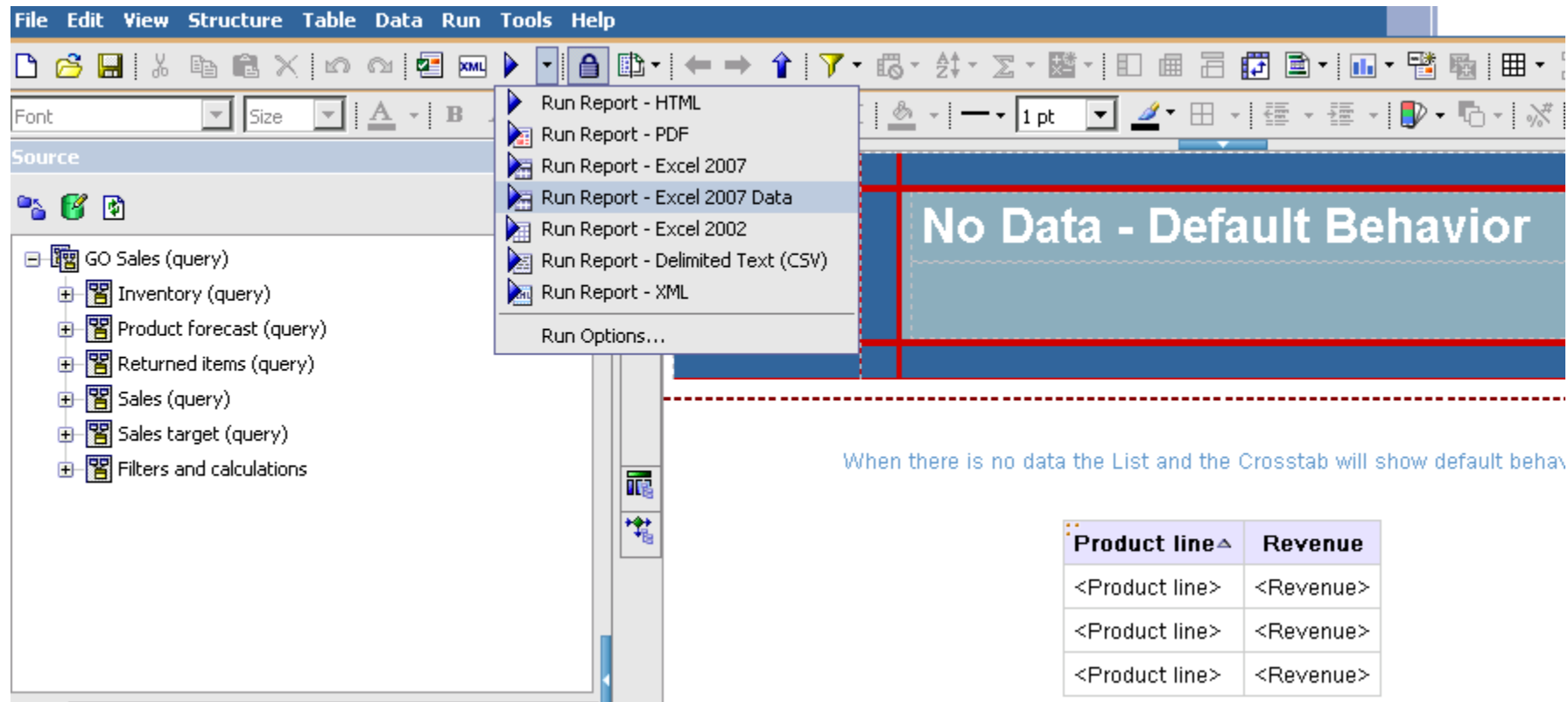
[Query Service Caching](#)

Set advanced settings - ReportService

Specify the advanced configuration settings for this entry. By default, an entry acquires its advanced settings with the settings defined explicitly for this entry.

<input type="checkbox"/>	Parameter	Value
<input type="checkbox"/>	RSVP.EXCEL.EXCEL_2007_LARGE_WORKSHEET	TRUE
<input type="checkbox"/>	RSVP.EXCEL.EXCEL_2007_WORKSHEET_MAXIMUM_ROWS	>=1,048,576
<input type="checkbox"/>	RSVP.EXCEL.EXCEL_2007_OUTPUT_FRAGMENT_SIZE	>=1,048,576
<input type="checkbox"/>		

Report Outputs ... Contd



The screenshot displays the IBM Business Analytics software interface. The 'File' menu is open, showing options for running reports in various formats: HTML, PDF, Excel 2007, Excel 2007 Data, Excel 2002, Delimited Text (CSV), and XML. The 'Run Options...' option is also visible. The main workspace shows a large blue area with the text 'No Data - Default Behavior'. Below this, a table is displayed with the following structure:

Product line^	Revenue
<Product line>	<Revenue>
<Product line>	<Revenue>
<Product line>	<Revenue>

When there is no data the List and the Crosstab will show default behav

IBM Cognos Report Studio

Active Report Repeaters

- Repeater frames to add interactive behavior to the repeater table

The screenshot displays the IBM Cognos Report Studio interface. The top menu bar includes File, Edit, View, Structure, Table, Data, Run, Tools, and Help. Below the menu is a toolbar with various icons for report design. The left pane shows the 'Source' tree with a hierarchy: Product forecast (query), Returned items (query), Sales (query), and Sales. Under Sales, there is a list of fields: Quantity, Unit cost, Unit price, Unit sale price, Revenue, Product cost, Gross profit, and Planned revenue. The 'Properties' pane at the bottom shows 'Repeater Table' with a 'Conditional' property. The main workspace shows a report design with a table structure. A blue arrow points to a text box with the text 'Double-click to edit text'. The right pane shows the 'Interactive Behavior' panel for 'Repeater Table1'. It includes a 'Report Behavior' section with 'Repeater Table1' and 'Outdoor Protection' filters, and an 'Interactive Behavior Details' section with 'Set Variable Values' and 'Container Select' actions. The 'Set Variable Values' action is configured to 'Set t_Product line to Product line'. The 'Container Select' action is configured to 'Product line in t_Product line'.

File Edit View Structure Table Data Run Tools Help

Font Size 1 pt

Source

- Product forecast (query)
- Returned items (query)
- Sales (query)
 - Sales
 - Quantity
 - Unit cost
 - Unit price
 - Unit sale price
 - Revenue
 - Product cost
 - Gross profit
 - Planned revenue
 - Margin

Page Explorer

Double-click to edit text

<Product line> <Product line>

Product line Quantity

Interactive Behavior - Repeater Table1

Report Behavior

- Repeater Table1
 - Outdoor Protection
 - Filters
 - List1

Interactive Behavior Details

- Set Variable Values
 - Set t_Product line to Product line
- Container Select
 - Product line in t_Product line

Properties - Repeater Table

Conditional

IBM Cognos Viewer

Freeze Column Headings

IBM Cognos Viewer

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

Unfreeze Column Headings

IBM Cognos Viewer

Product line	Product type		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	TrailChef Single Flame	38,935,467.20
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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
Camping Equipment	Tents	Star Peg	3,868,122.00

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.

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

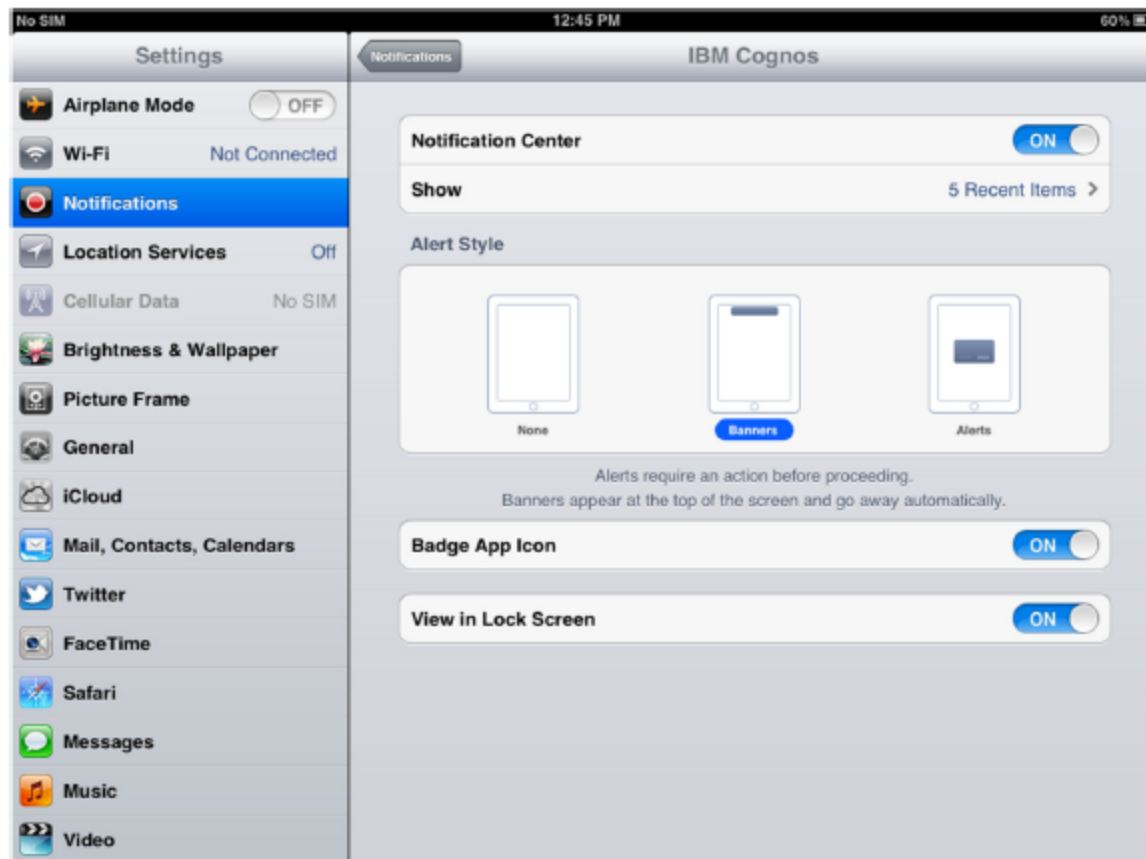


iOS Push Notifications: How to?

- 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.

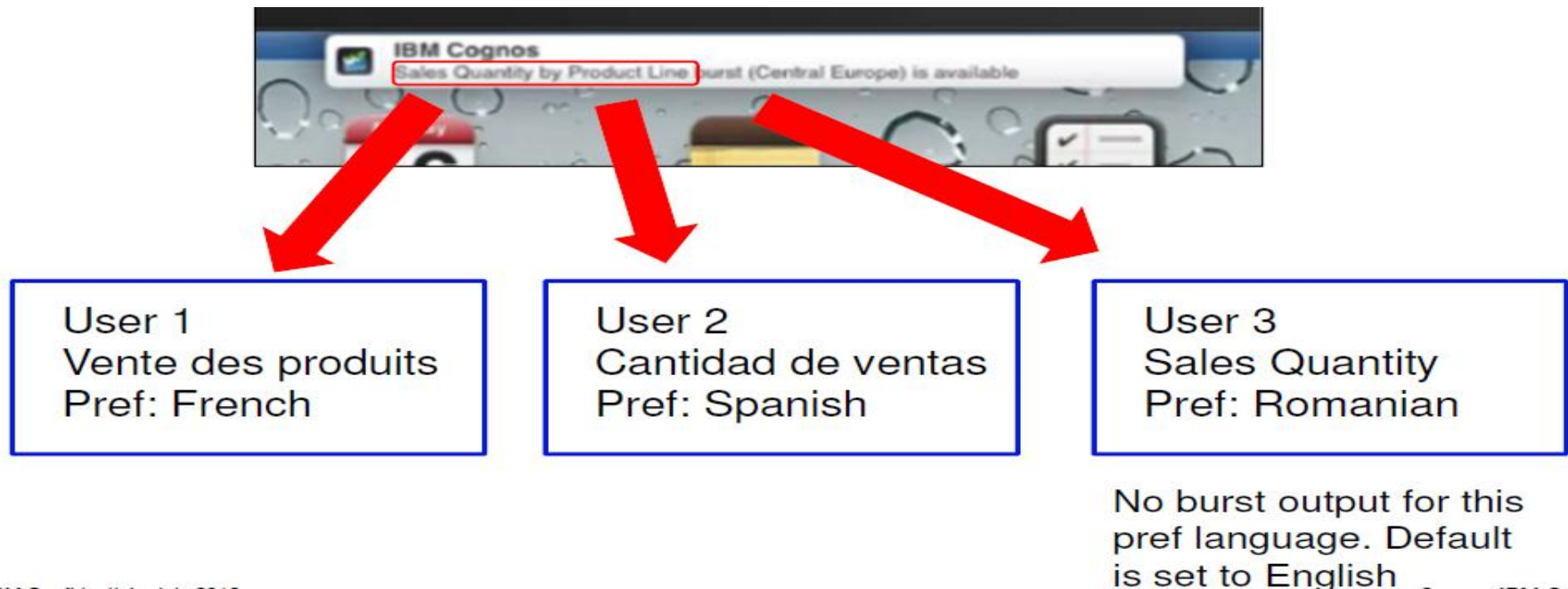
iOS Push Notifications: How to?

- 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



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.

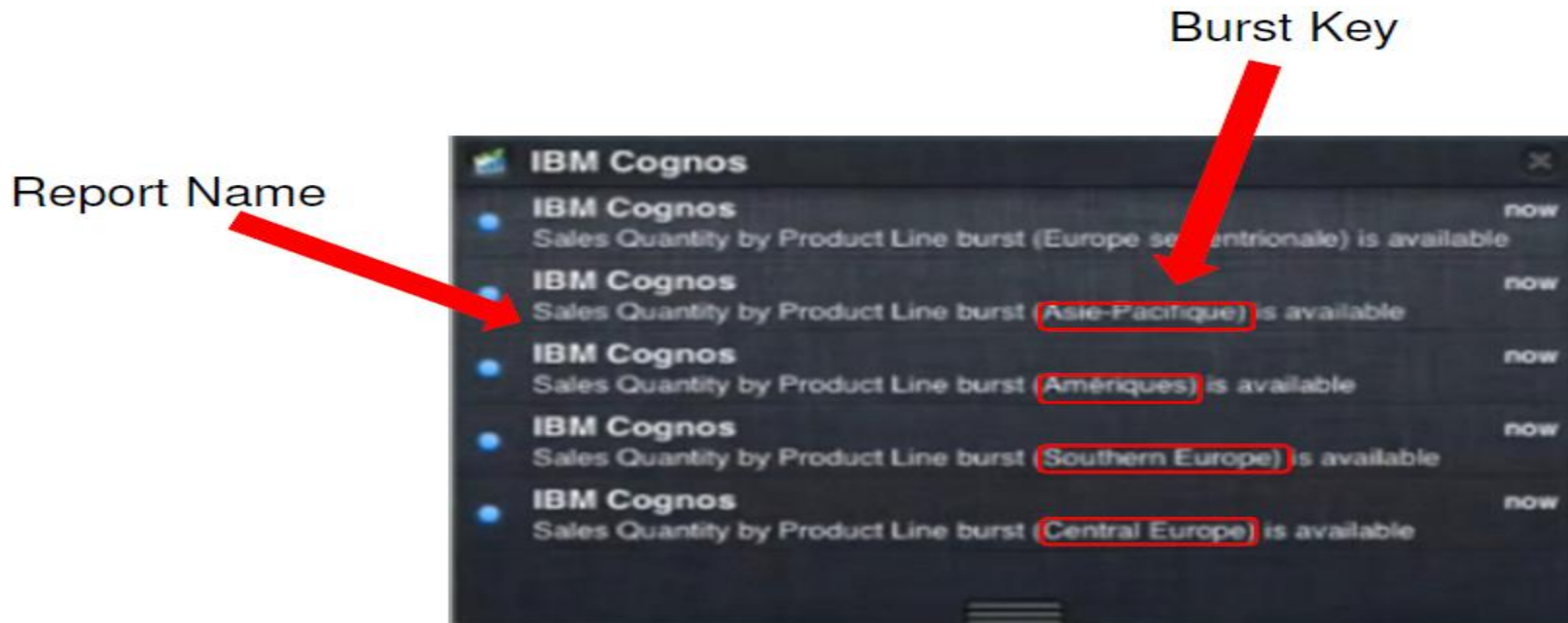


Multi-lingual bursting (Cont...)

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

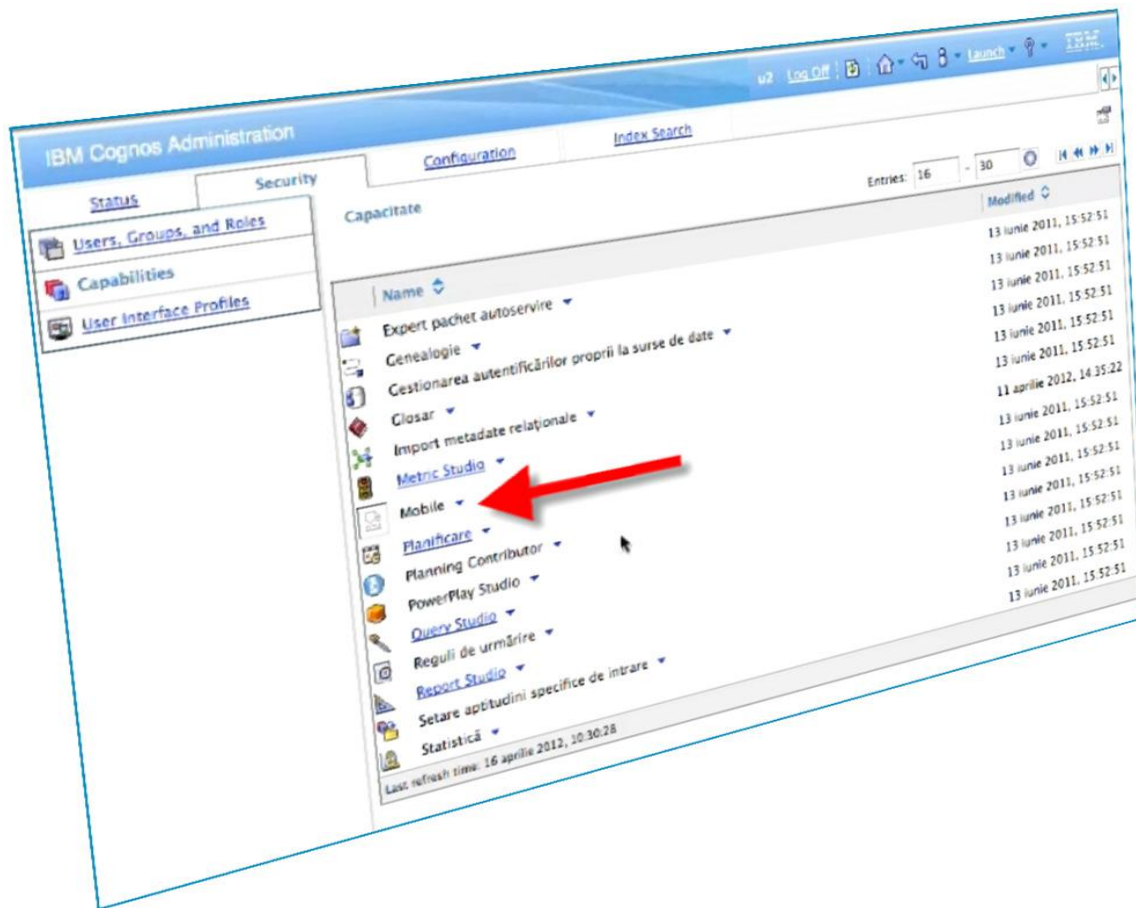
The reports are differentiated by burst key. This **IS** new.

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.



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



Cognos Admin Mobile Capability: How to?

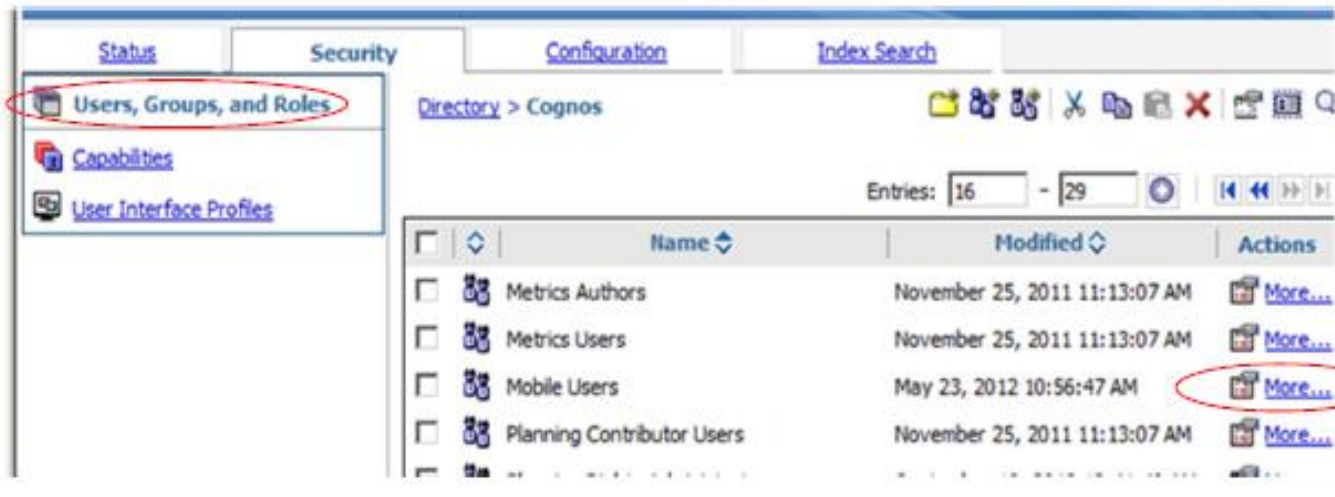
- In Security's capabilities, a new group called Mobile Users is assigned to Mobile Capabilities

The screenshot shows the Cognos Admin console interface. On the left, the 'Security' tab is selected, and the 'Capabilities' link is highlighted with a red circle. Below it, the 'Mobile' capability is also highlighted with a red circle, and a red arrow points to the 'Set properties' link next to it. The main area displays the 'Mobile' capability details, including a list of permissions. The 'Permissions' tab is selected, showing a table with columns for 'Name' and 'Permissions'. The table lists two entries: '...>Directory Administrators' and '...>Mobile Users'. The 'Mobile Users' entry is checked, indicating it is assigned. To the right, a list of permissions is shown with checkboxes: Read, Write, Execute, Set Policy, and Traverse. The 'Execute' and 'Traverse' permissions are checked.

Name	Permissions
...>Directory Administrators	<input type="checkbox"/> Read <input type="checkbox"/> Write <input type="checkbox"/> Execute <input type="checkbox"/> Set Policy <input type="checkbox"/> Traverse
...>Mobile Users	<input checked="" type="checkbox"/> Read <input type="checkbox"/> Write <input checked="" type="checkbox"/> Execute <input type="checkbox"/> Set Policy <input checked="" type="checkbox"/> Traverse

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



Lifecycle Manager

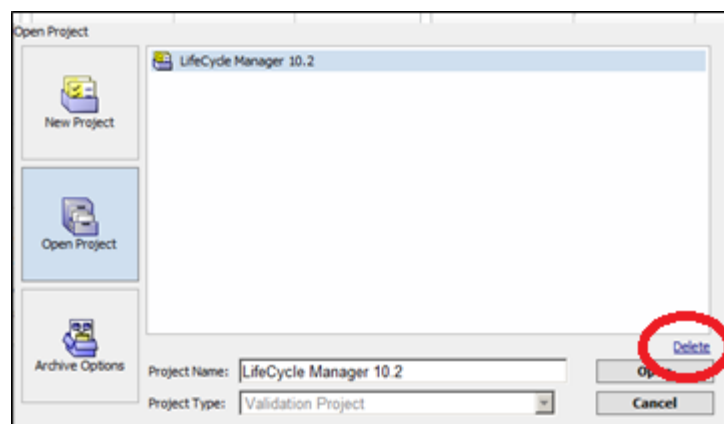
■ My Folders support

- 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



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

Q & A Session

Thank You