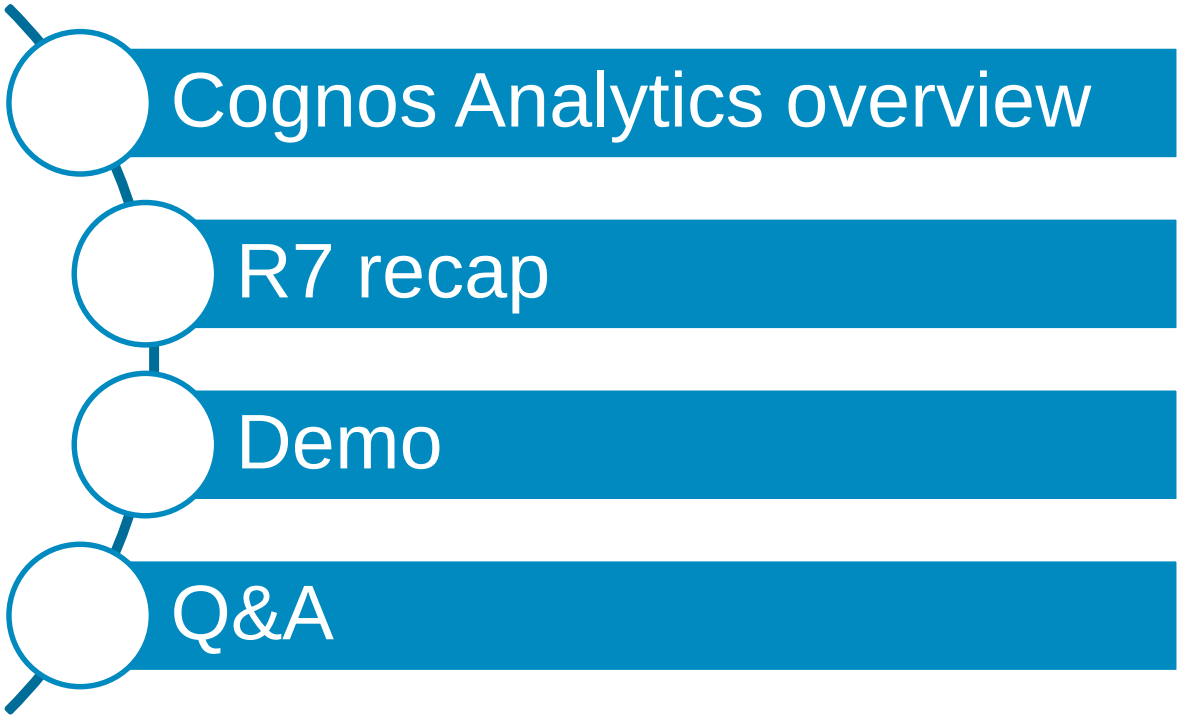
IBM Cognos Analytics

11.0.7 (R7) Overview

© 2016 IBM Corporation

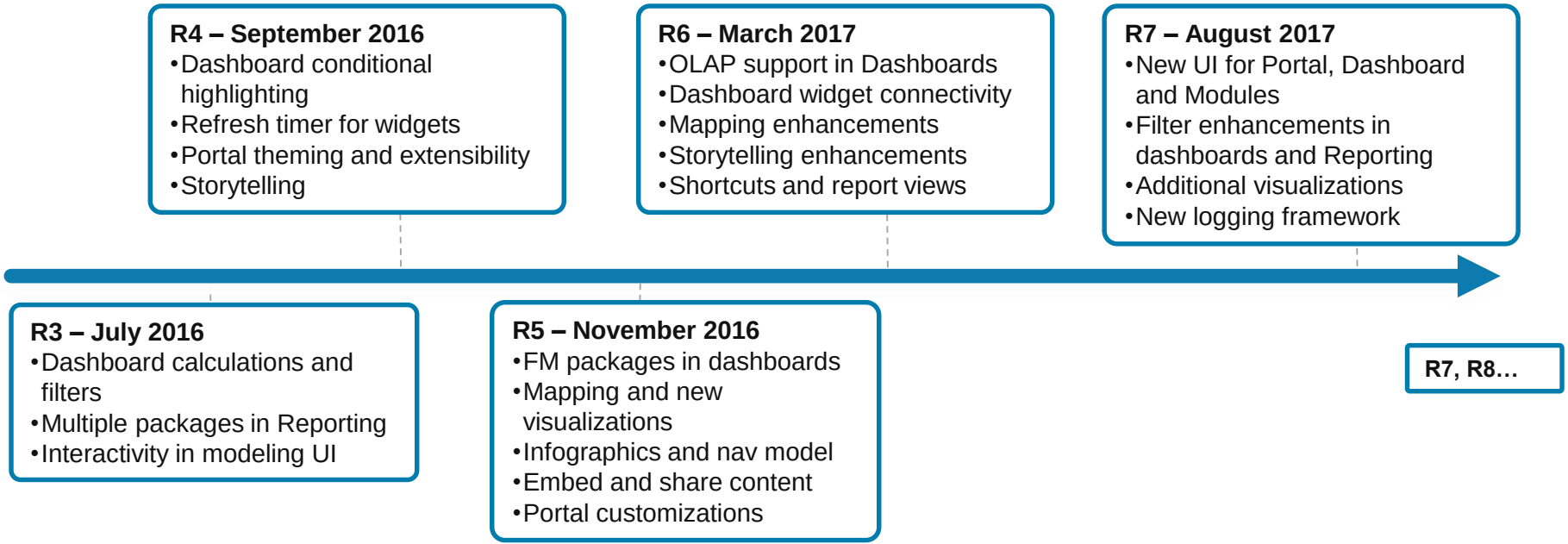
Agenda



© 2017 IBM Corporation

Cognos Analytics releases

- Continuous delivery for on premise and on the Cloud
- Contains defect fixes and enhancements
- Installs on top, it preserves your settings and configuration



Highlights – R7

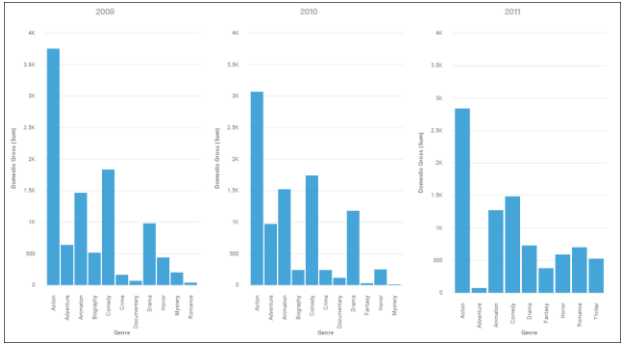
Make the old new
- Updated Dashboard, Modeling and Navigation User Experiences
- Package based drill in interactive viewer
- New logging framework
- PowerPlay 11

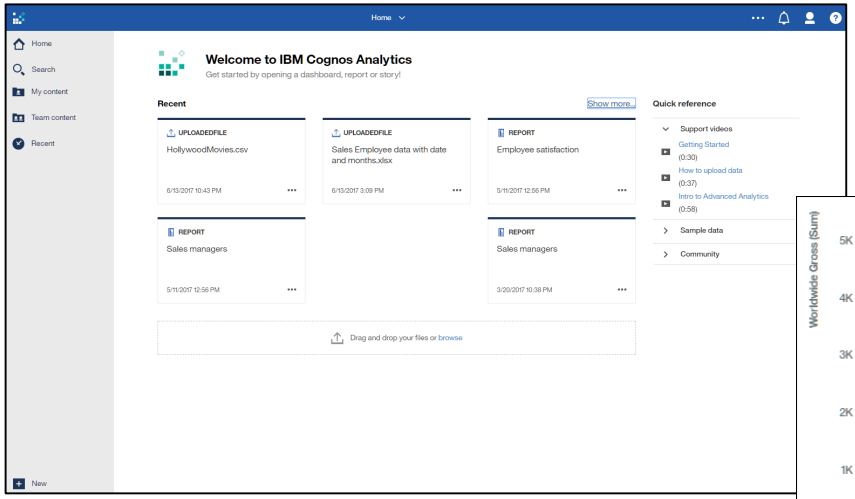
Easier & easier to use
- Dashboard filter dock
- Filter Panel
- My parameters
- Interactive performance assistant

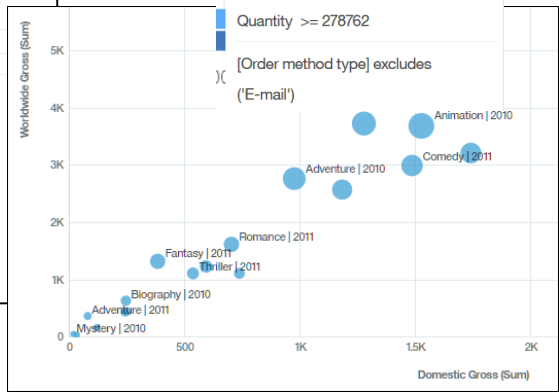
Make it your own
- 3rd party OpenID connect support
- Image library extension

Communicate Findings through Storytelling
- Animated Path transitions

See things clearly with Visualization Enhancements
- Maps in Reports
- Measures on Axis
- Labels (Single and Multiple)
- Repeaters
- New visualizations (Network, 100% stacked)





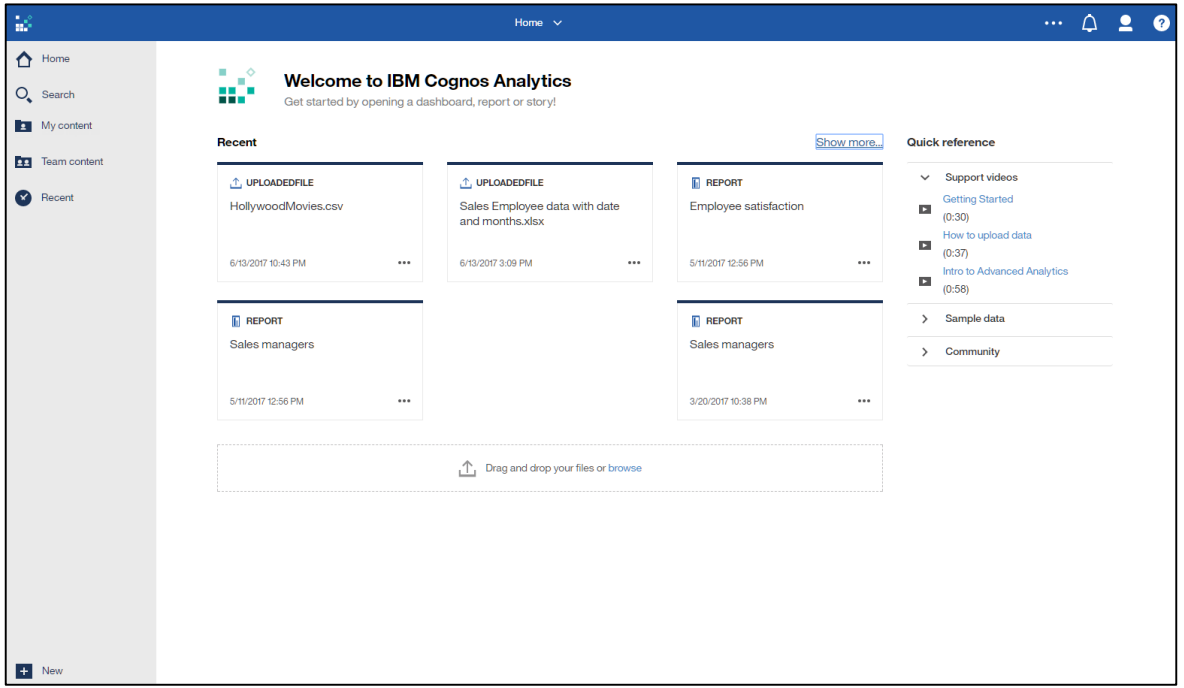


Demonstration

© 2016 IBM Corporation

Home page

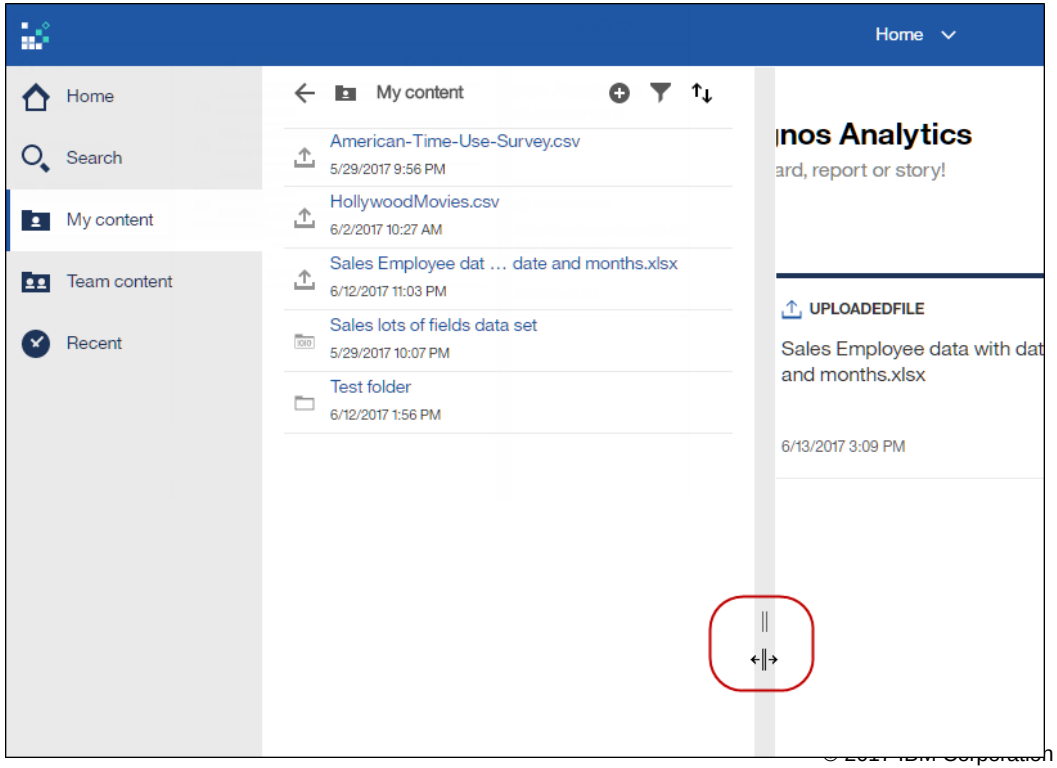
- Redesigned Welcome page
- Easier to get started
- Quick reference links
- Recent items tiles



© 2017 IBM Corporation

Content navigation

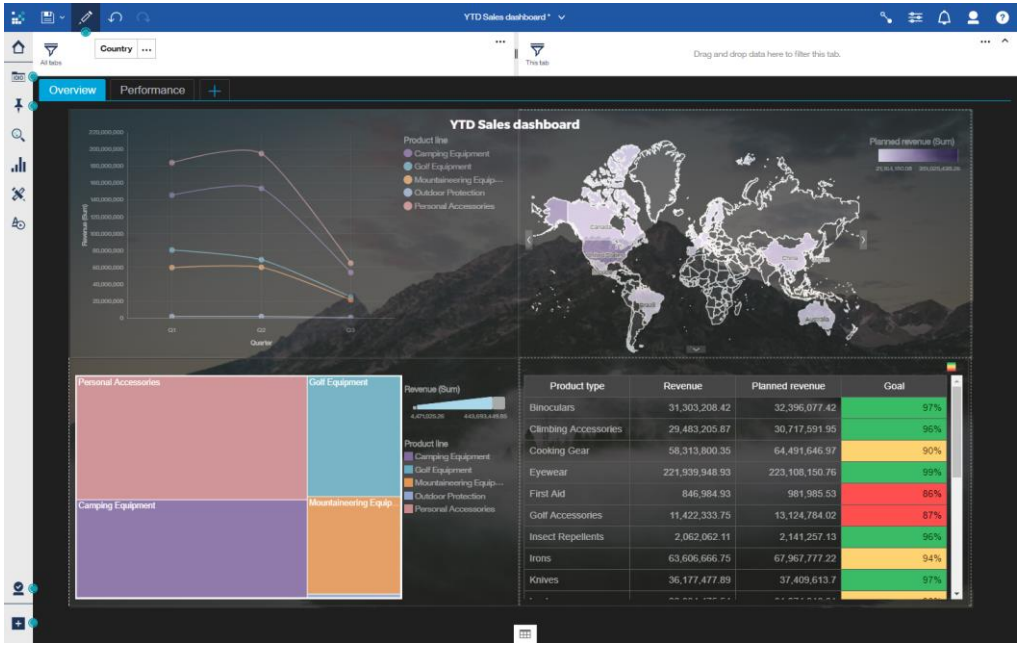
- Redesigned navigation pane
- Single panel that now stretches
- Names automatically adjust to best fit the available width



© 2017 IBM Corporation

Dashboard - Filter enhancements

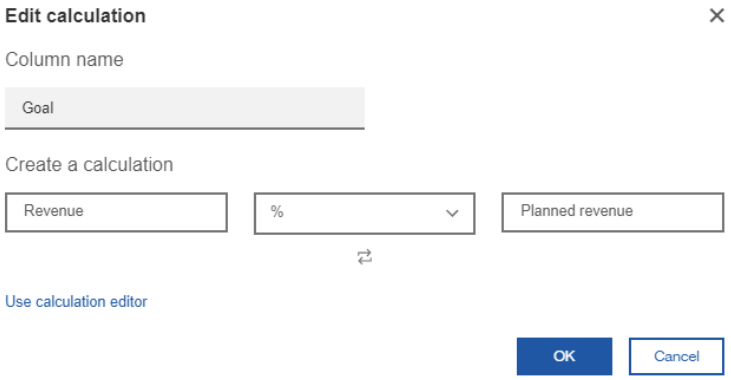
- Filter dock above the canvas
  - Frees up the canvas
  - Widgets are not affected by highlighting
  - Check boxes, sliders, hierarchy tree
- Condition-based filters (starts with…)
- Top/bottom on n values or percentile

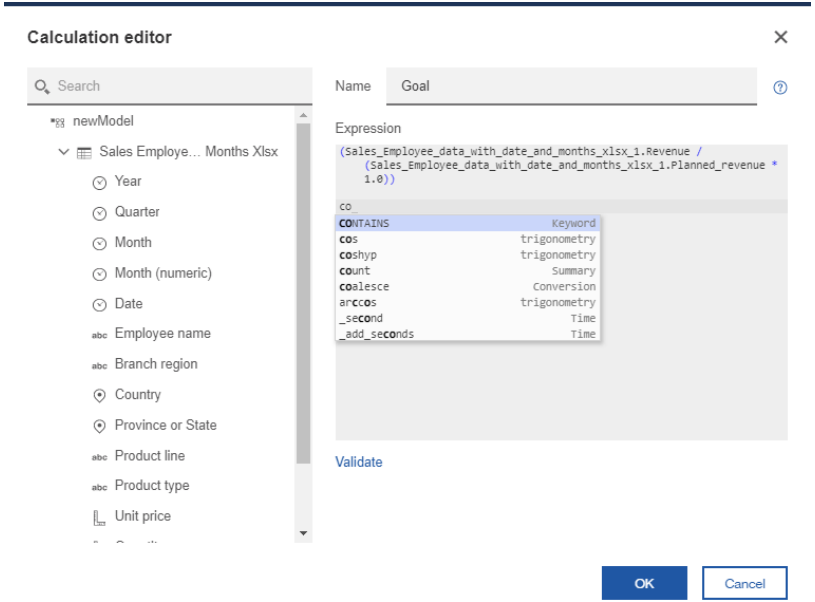


© 2017 IBM Corporation

Dashboards - Advanced calculations

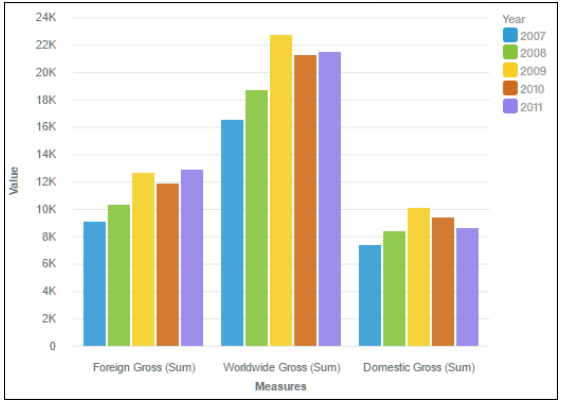
- Invoked from a single or multiple values
- Simple and advanced calculations
- Expression editor for more complex calculations



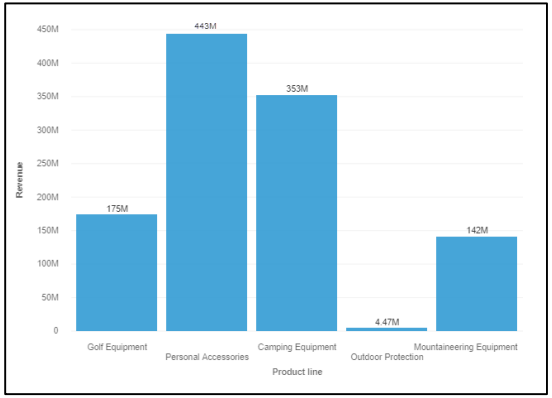


Dashboards - Visualization enhancements

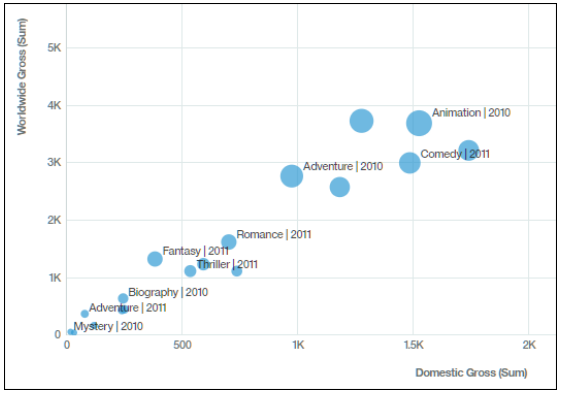
Measures as attributes on axis



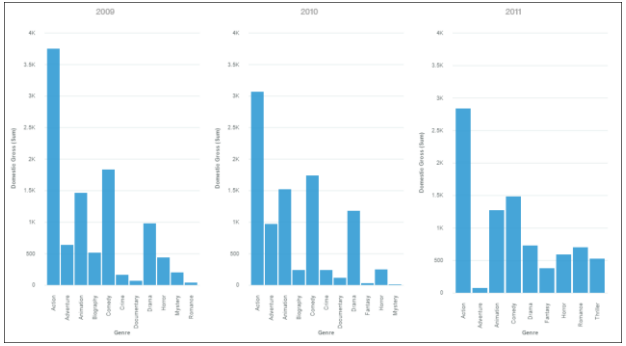
Values on the charts



Multiple attributes per label



Repeaters



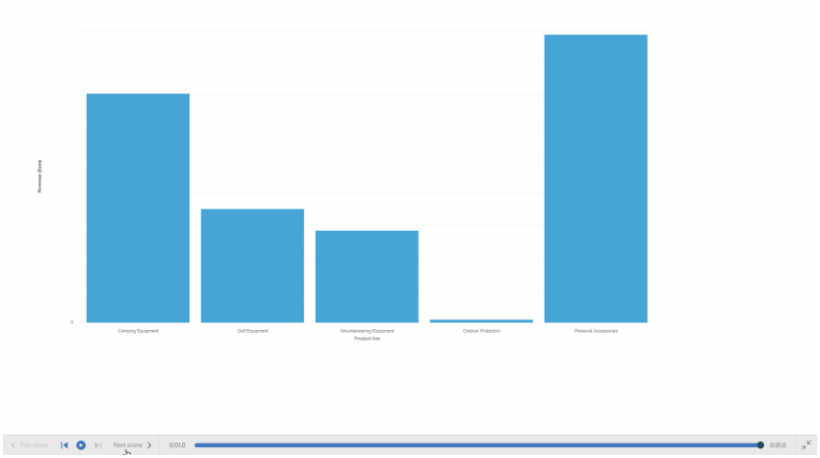
Others

- Additional nested edges on crosstabs
- New visualizations (Network, 100% stacked)
- Better label placement

© 2017 IBM Corporation

Storytelling

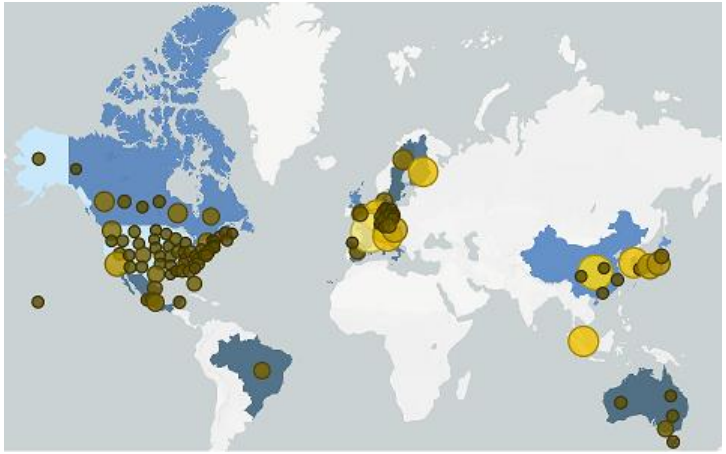
- Animated Path
  - Allow transitions to keep items on the screen while directing focus to another area
- Image upload extension
  - Administrator controlled library of images uploaded via extensions that can be used across dashboard and stories



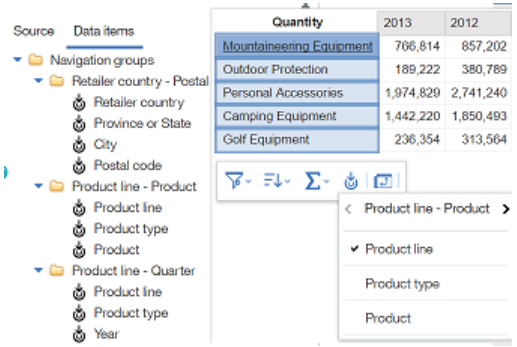
© 2017 IBM Corporation

Reporting

- Maps in standard reports
  - Supports two independent or joined layers
  - Pan & Zoom, Tooltips, maps styles
  - Warning dialog show all unmatched locations



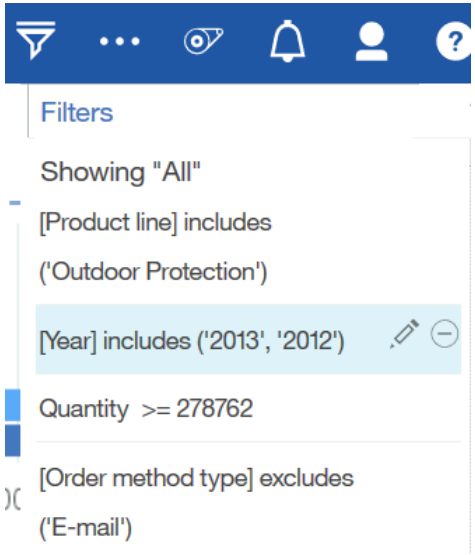
- Navigation groups from data modules
  - Navigation groups visible under Data items tab of metadata panel
  - Supports navigate to any levels defined in a data module



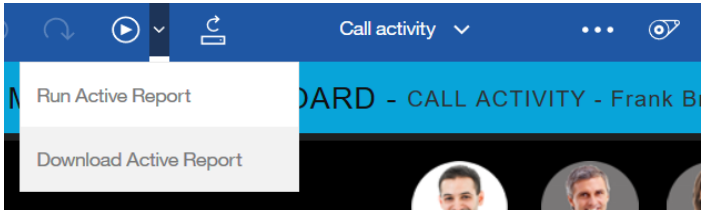
© 2017 IBM Corporation

Reporting

- Interactive filtering panel in viewer
  - Overview of all filters applied to the current report
  - Allows direct editing
  - Dynamically highlight report objects with each filter



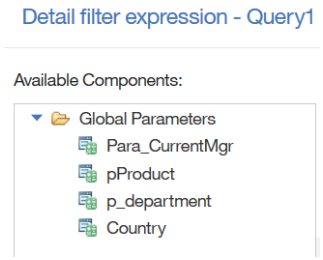
- Active Report
  - Users can download an active report directly within viewer
  - Active reports now running
  - under switcher

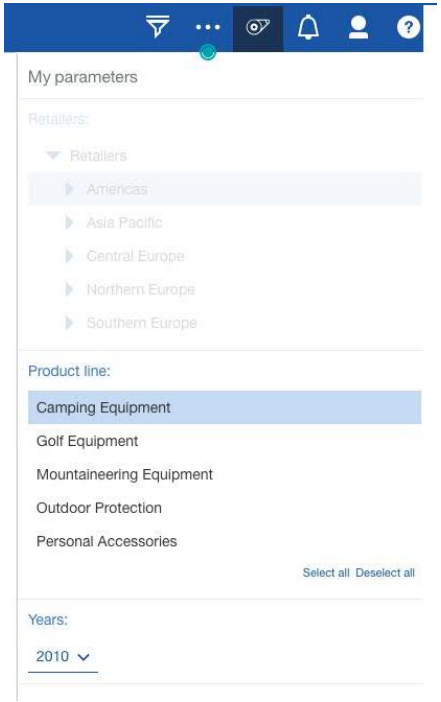


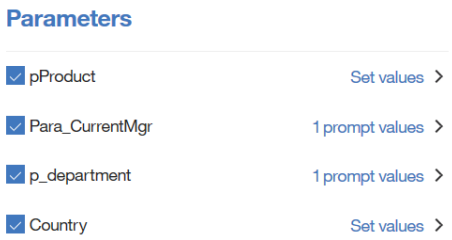
© 2017 IBM Corporation

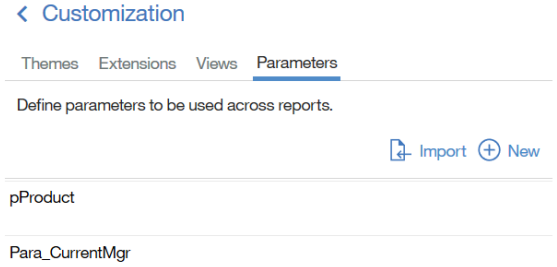
Reporting

- My parameters
  - Can filter multiple reports using the same parameter values
  - Administrator sets default values at Role level
  - Supports importing parameters from existing reports
  - Users can override default parameter values





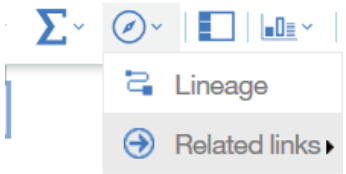


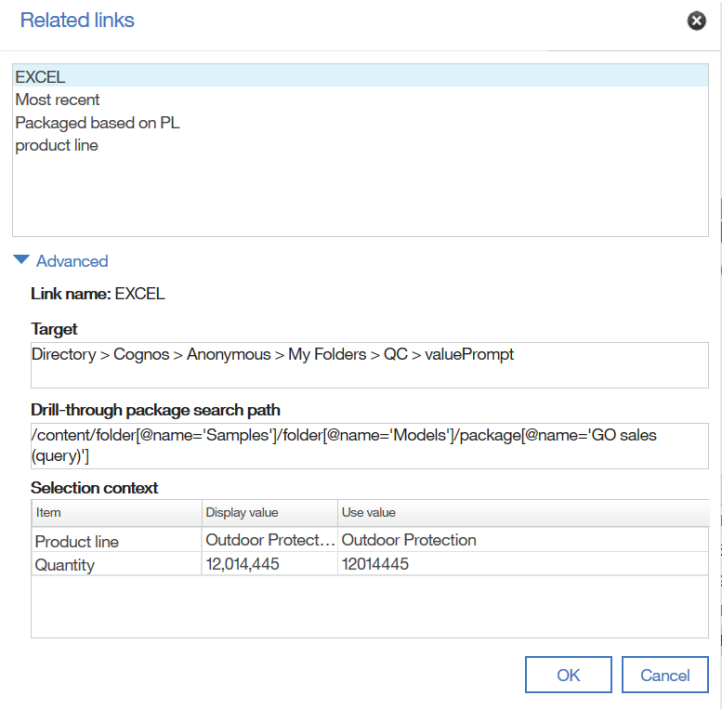


© 2017 IBM Corporation

Reporting

- Package based drill-through
  - Directly available in Interactive viewer
  - Detailed selection context information
  - Supports upgraded package based drill-through reports running with full interactivity set to yes
  - Supports C10 dynamic filtering



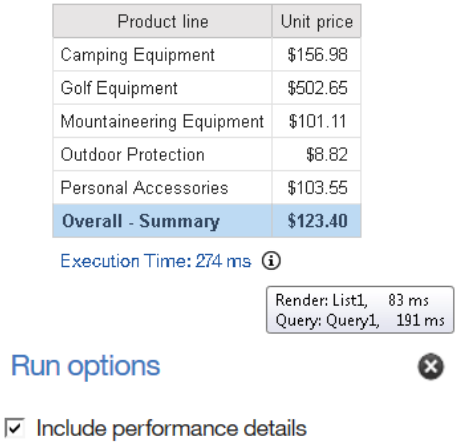


© 2017 IBM Corporation

Reporting

- View tabular data in all supported formats
- Ability to group repeating cells when export to Excel

- Interactive performance assistant
  - Shows querying and rendering performance on report objects
  - Available in HTML format in both viewer and preview mode within authoring
  - Also includes detailed information on Host machine name, Process ID, Session ID, Request ID and Hop count



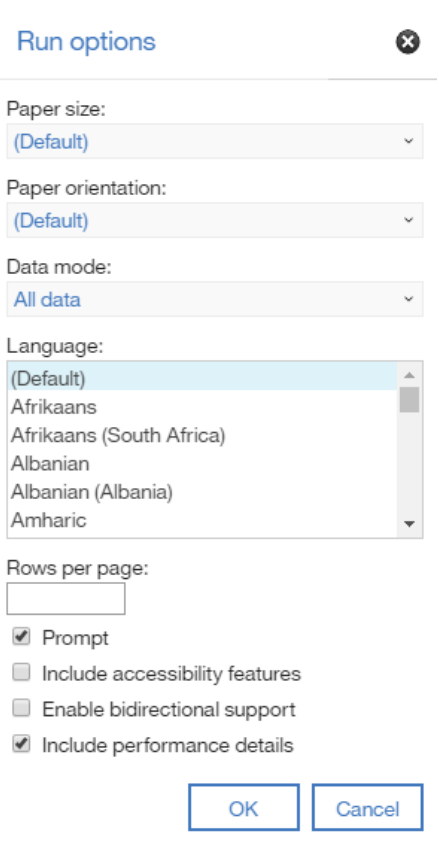
© 2017 IBM Corporation

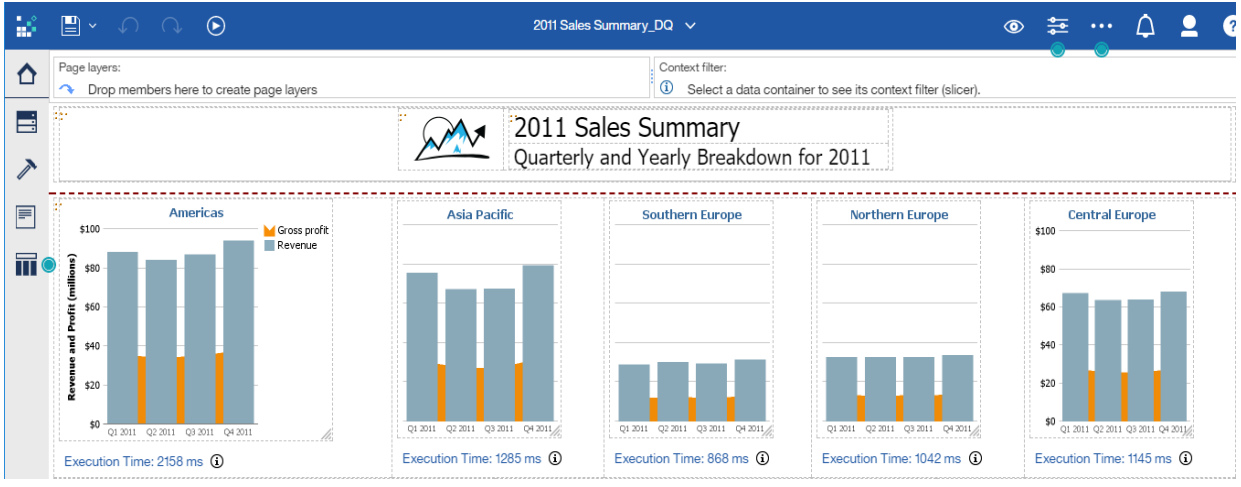
Interactive Performance Assistant

- Find Performance Issue Earlier
  - Discover the performance issue right at the beginning of the report design process
- Find Performance right at the moment
  - Ideal to trouble shooting random production issue
- Live data view
  - Experience performance during live view report authoring process
- No Cost, or little Cost
  - No configuration, no additional resource required

© 2017 IBM Corporation

Interactive Performance Assistant

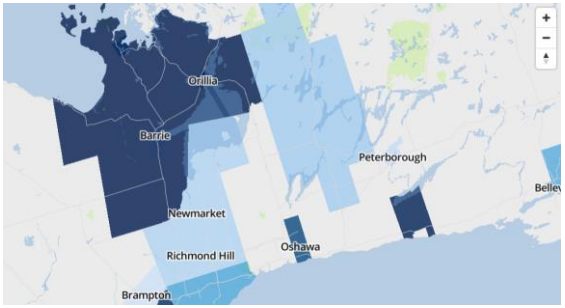




Map Aliases

Problem

- Pitney Bowes indexes shapes/polygons with the official names of their respective administrative regions, while the commonly used/local terms for the same regions are quite different.
  - Frankfurt's official name is '*Frankfurt am Main, Stadt*'
  - Cumberland's (a city in, Maryland) official name is '*District 22, Cumberland*'



Solution

- Crowd source aliases from across IBM

Location	Path	Aliases
Frankfurt am Main, Stadt	DE@Hessen	Frankfurt # Frankfurt am Main #
Downtown Core	SG@Central Region	# 市中心 # Downtown #

Results

- Location intelligence and accuracy has increased by over 30% for locations with English names (average)
- Accuracy increase of 100% for locations with local language names

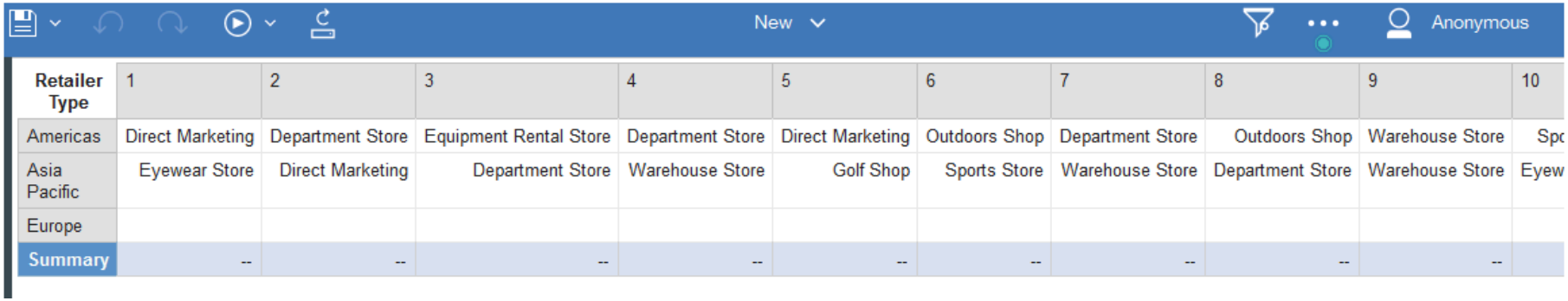
© 2017 IBM Corporation

Data Access

- Revamped user experience for creating data modules
- Authentication
  - Dynamic parameters in JDBC URLs
  - Kerberos support for data modules
- Planning Analytics
  - Text measures in crosstabs
  - Manage-> Data server connections
    - Create data module
- New technologies
  - Presto
  - MemSQL (uses MySQL connection)
- New versions
  - Hive 2.1
  - Microsoft Analysis Services 2016
  - SAP BW 7.5
  - Many more...

© 2017 IBM Corporation

Text measures in crosstabs

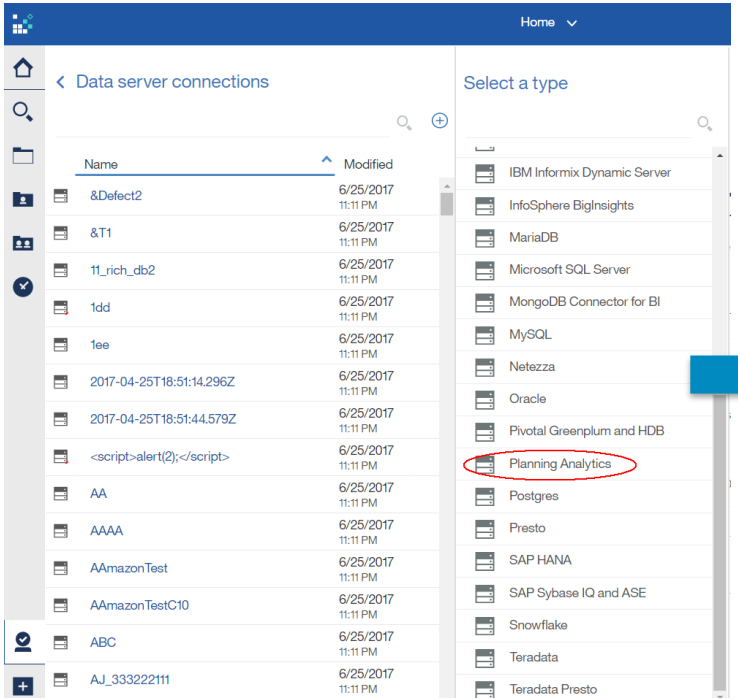


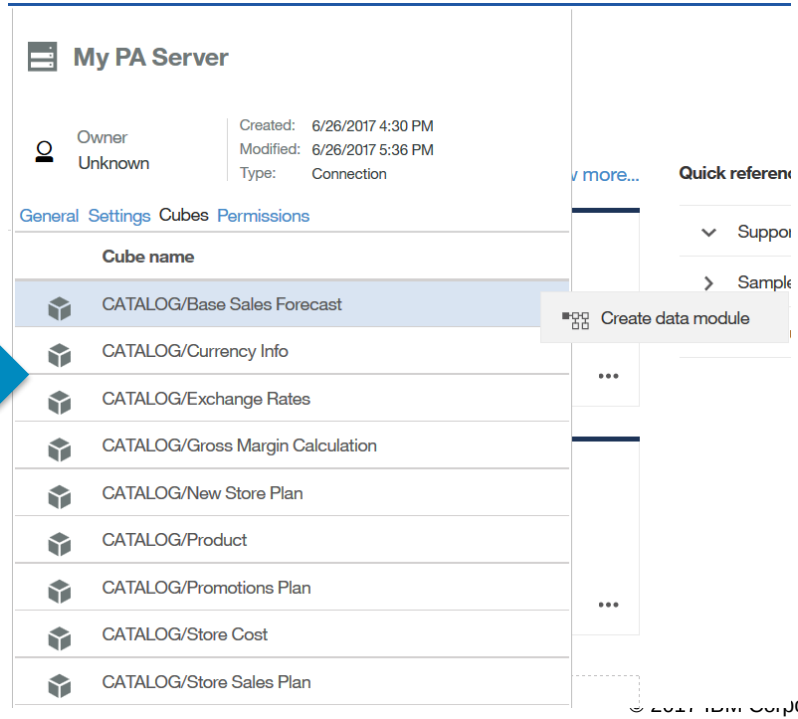
Retailer Type	1	2	3	4	5	6	7	8	9	10
Americas	Direct Marketing	Department Store	Equipment Rental Store	Department Store	Direct Marketing	Outdoors Shop	Department Store	Outdoors Shop	Warehouse Store	Spo
Asia Pacific	Eyewear Store	Direct Marketing	Department Store	Warehouse Store	Golf Shop	Sports Store	Warehouse Store	Department Store	Warehouse Store	Eyew
Europe										
Summary	--	--	--	--	--	--	--	--	--	

© 2017 IBM Corporation

Planning Analytics connections within Manage area

- No need for legacy Cognos Administration interface
- Ability to create data modules on selected cubes

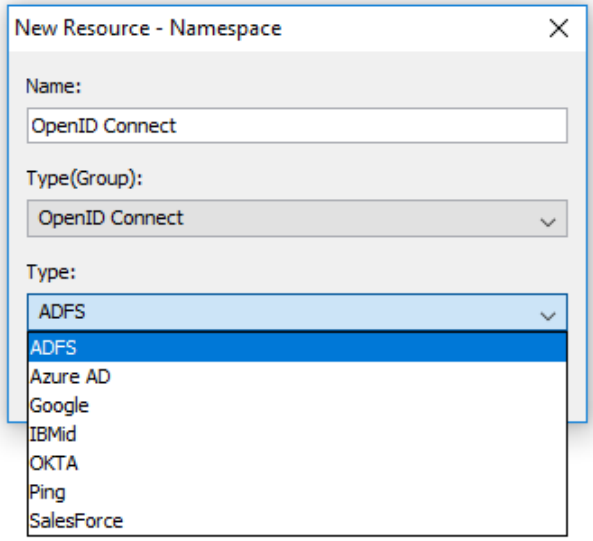


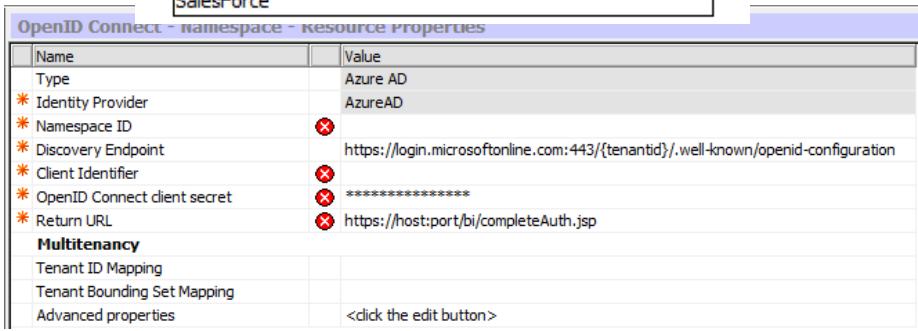


© 2017 IBM Corporation

OpenID Connect

- 7 OIDC providers
- Simple to configure
- Easy to add new providers as we move forward
  - Custom option is available
- Available on premise or on cloud
- SAML 2.0 is available ONLY via IBMID
  - Customers should be cautioned on user experience





© 2017 IBM Corporation

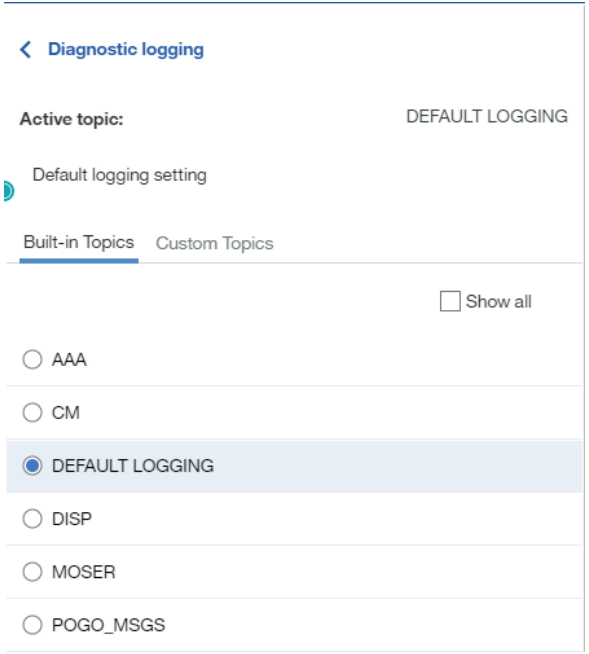
Logging Framework

Advantages:

- No more naming files: ipfaaaclientconfig.xml.sample
- No more restarting of services

Types of Logging

- Session Logging
  - User session for reproducible problems
- Diagnostic Logging browser-based administration
  - Use for intermittent or service-specific problems
- Interactive Performance Assistant Logging
  - IPA customers self diagnose performance or tuning related issues before logging a PMR
  - Report Performance Challenges in a Distributed Environment

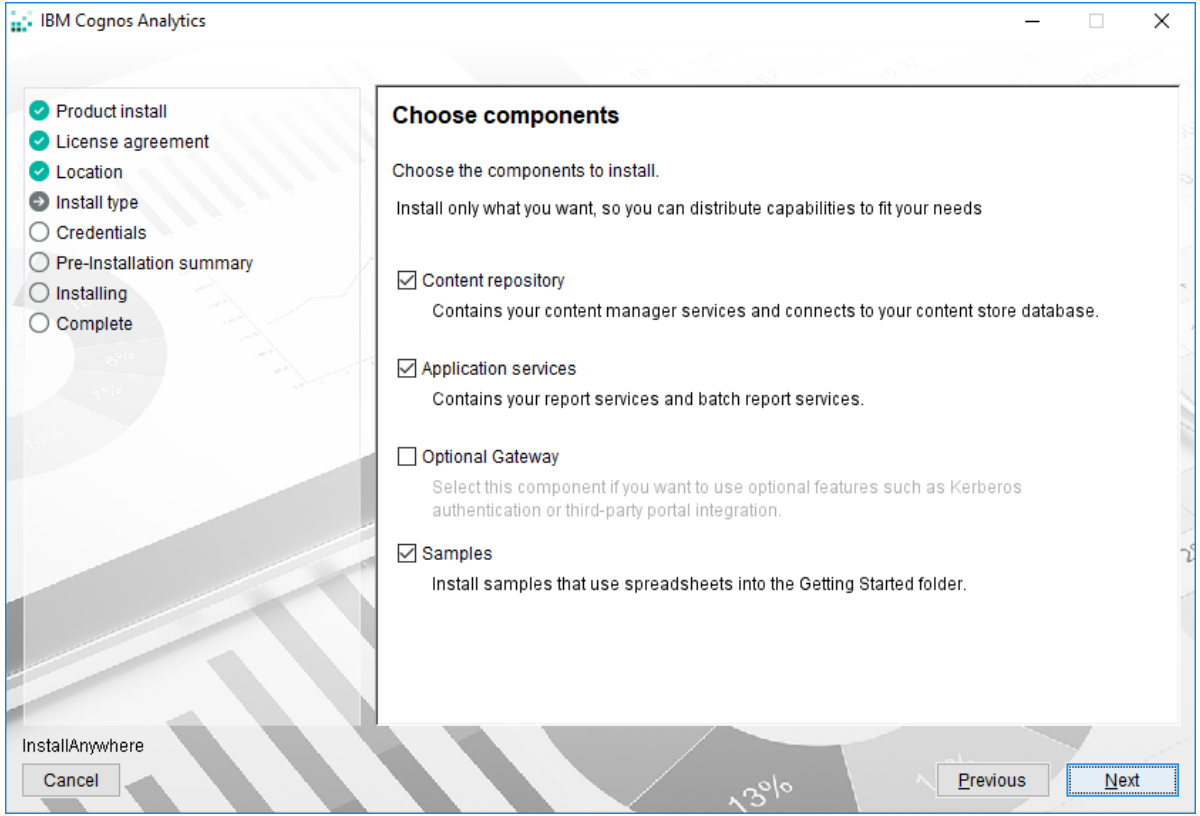


© 2017 IBM Corporation

Installation options

No requirement to install, configure and start the content manager

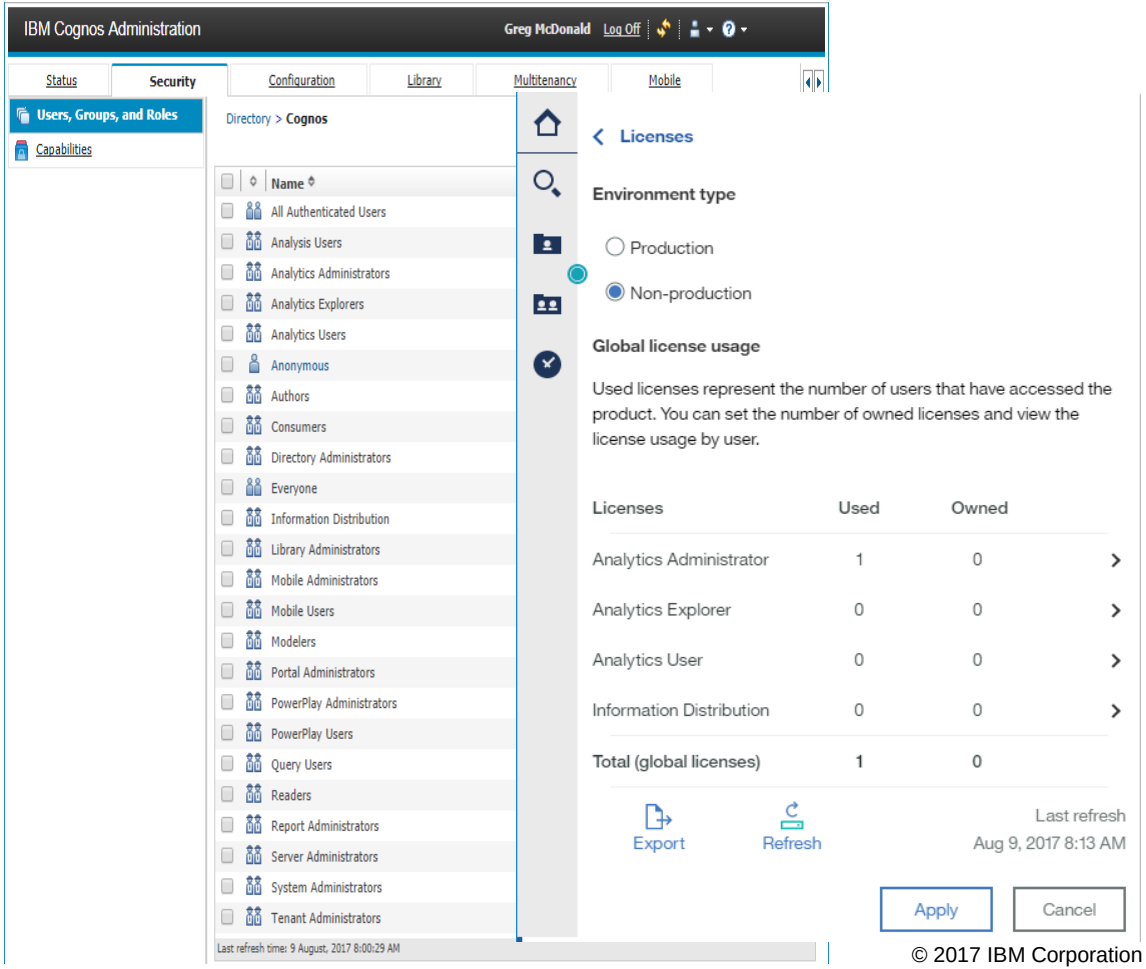
- All tiers available
- Connect and install available



© 2017 IBM Corporation

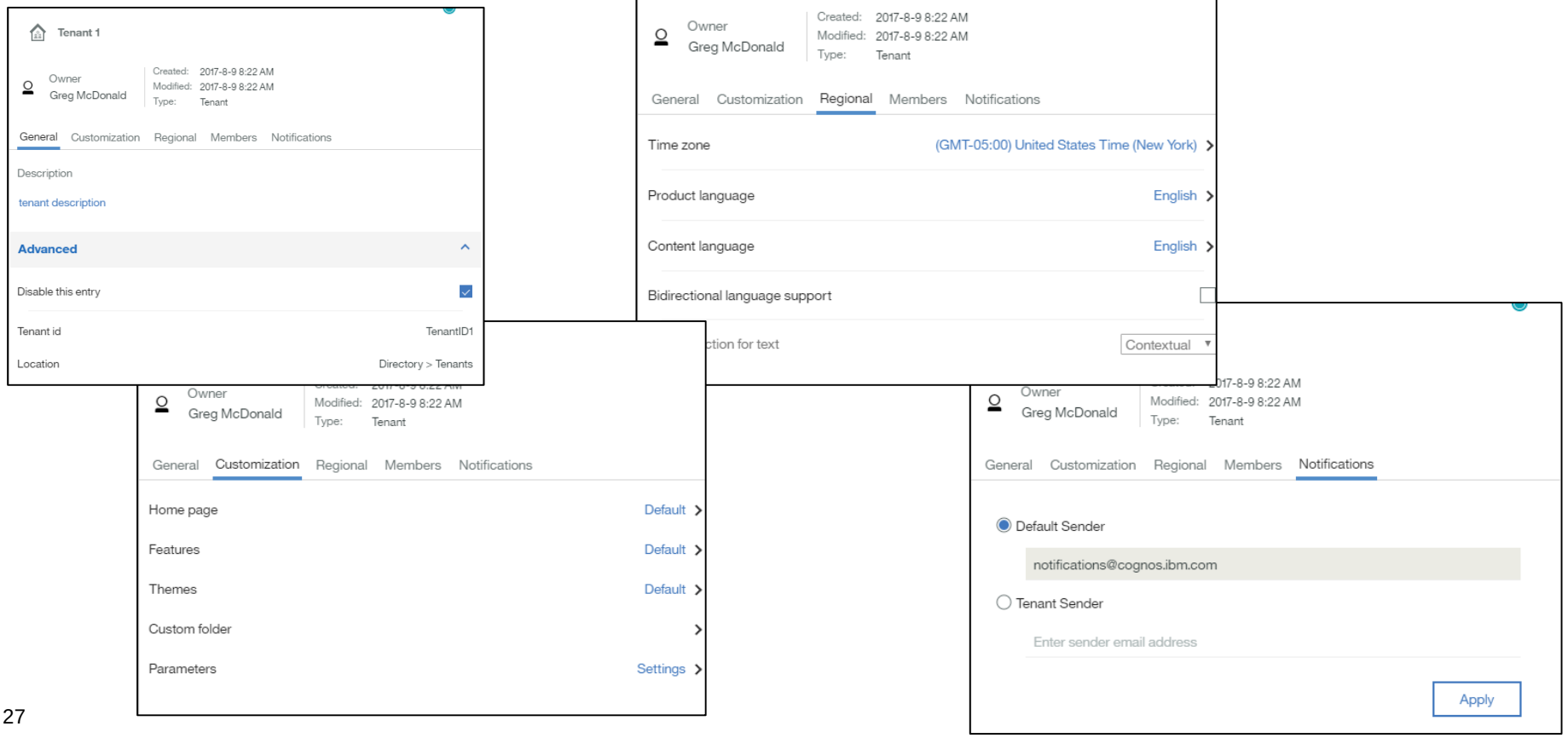
Security update

- Everyone removed from everywhere but System Administrator
- New Cognos Roles map directly to new CA11 Licence feature
- Customers upgrading don’t lose anything
- New customers get new model
- Recommend customers start using new roles



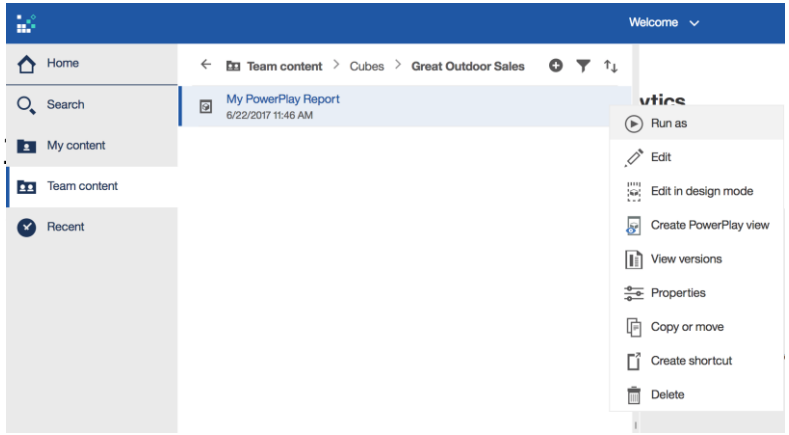
© 2017 IBM Corporation

Multi tenancy updates



PowerPlay 11

- Updated versions of PowerPlay Windows client, PowerPlay Studio, and Transformer
  - Updated O/S conformance, including Windows
  - Updated browser conformance for Chrome, IE, FireFox
  - Functionally the same as 10.2.2 products
- PowerPlay reports and report views integrated into Cognos Analytics portal
  - Reports/studio run in separate browser tab(s)



- Separate installation for PowerPlay products, uses CA portal
- On PowerPlay Server startup, PowerPlay Studio immediately available in Cognos Analytics

© 2017 IBM Corporation

IBM Analytics University 2017 at a Glance

Fast-track your insights

75+ sessions
Learn in a specialized curriculum with highly curated sessions, workshops, and hands-on labs.

Network
Share ideas and connect with peers, thought leaders, technology gurus, executives and experts from IBM.

Curriculum
Four distinct tracks:
- Analytics for all
- Architecture and Technology
- Insight to Action
- Performance Management

Berlin
October 10-13

Standard Rate
2095 €

New Orleans
October 17-19

Standard Rate
$1595

ibm.co/AnalyticsU

© 2017 IBM Corporation

Useful links

- Main Cognos Analytics page
  - http://www.ibm.biz/cognosanalytics
- Community:
  - https://www.ibm.com/communities/analytics/cognos-analytics/
- Free trial
  - https://ca-trial.mybluemix.net/
- Documentation
  - http://www.ibm.com/support/knowledgecenter/SSEP7J_11.0.0/
- Upgrade guide
  - http://www-01.ibm.com/support/docview.wss?uid=swg21981350

© 2017 IBM Corporation

IBM