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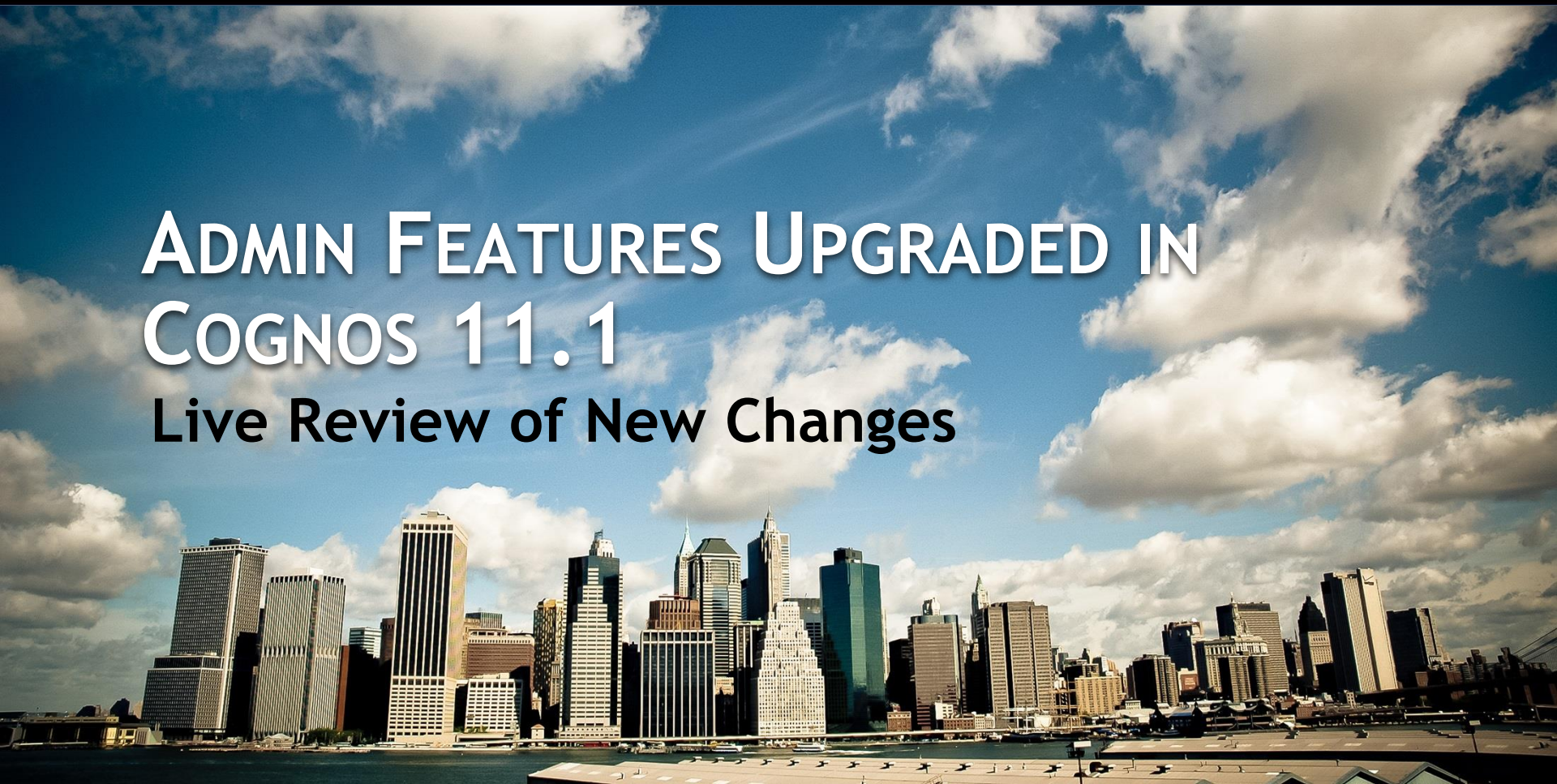
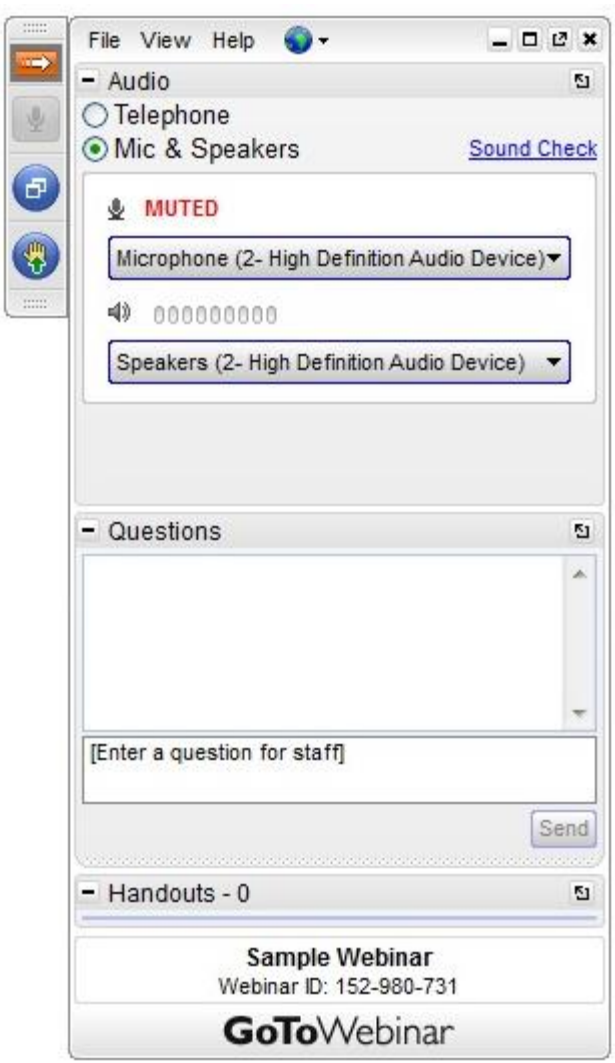


Admin Features Upgraded in Cognos 11.1

Live Review of New Changes

GoToWebinar Control Panel



Click arrow to restore full control panel

Submit questions here

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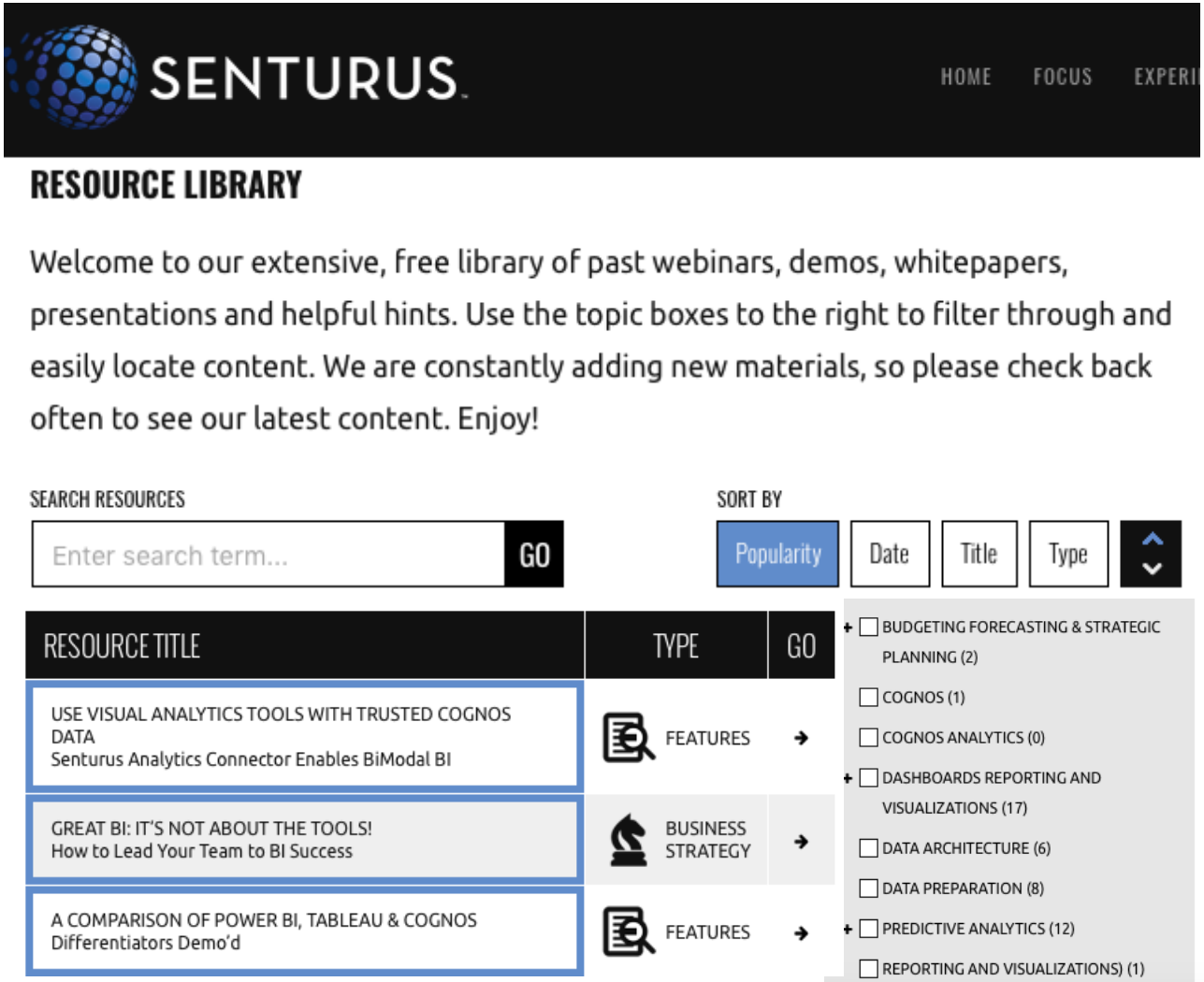
Presentation Slide Deck

www.senturus.com/resources/



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Agenda

- Introductions
- Administration and manage
- Security
- Multi tenancy
- Architecture
- Upgrade
- Senturus overview
- Additional resources
- Q&A

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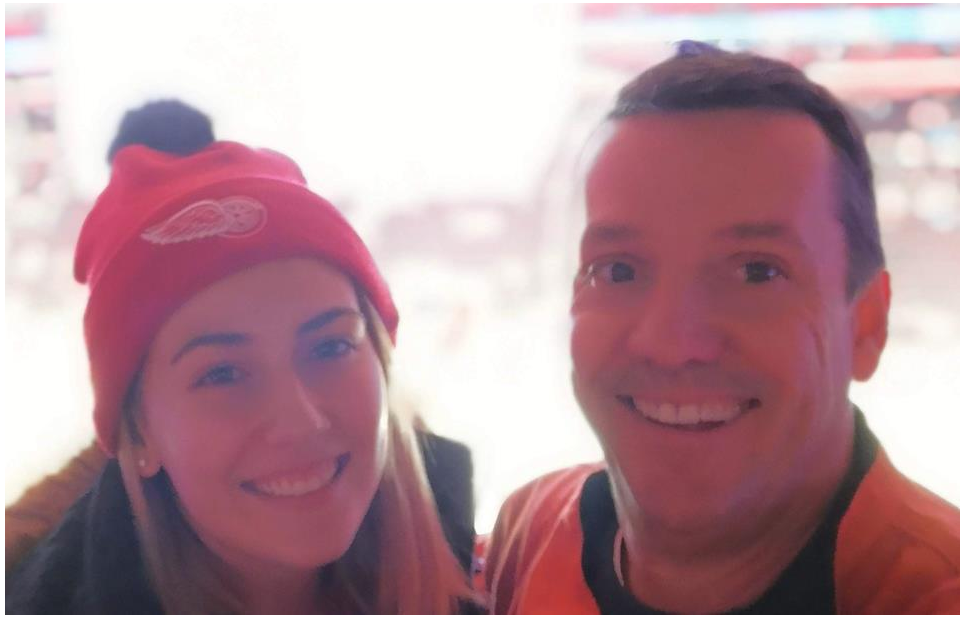
Introducing…Today's Presenters



Greg McDonald
Offering Manager
IBM

Michael Weinhauer
Practice Area Director / Solutions Architect
Senturus, Inc.

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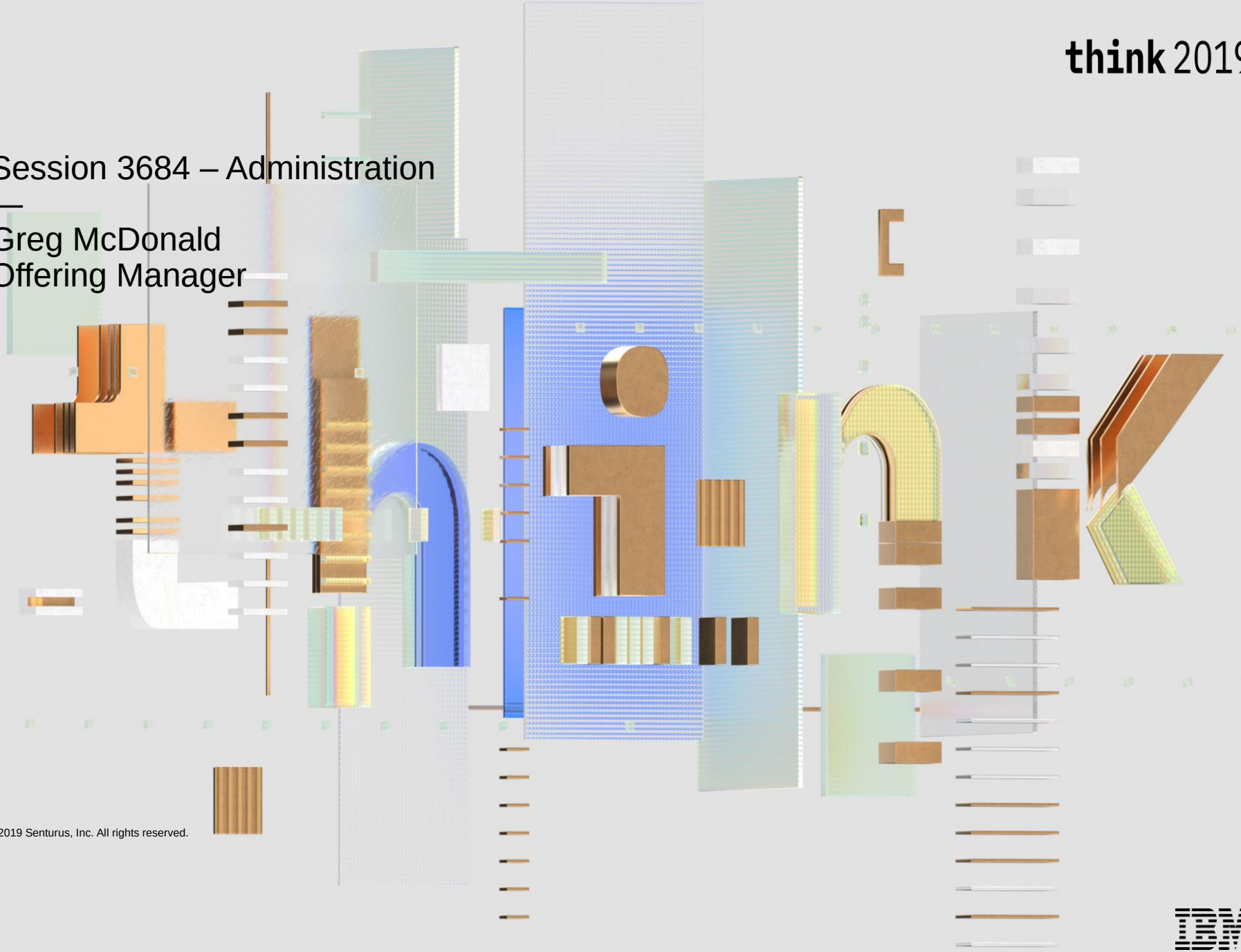
think 2019

Session 3684 – Administration

—

Greg McDonald
Offering Manager



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IBM

Administration and Manage

Security

Multi Tenancy

Architecture

Upgrade

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Administration and Manage

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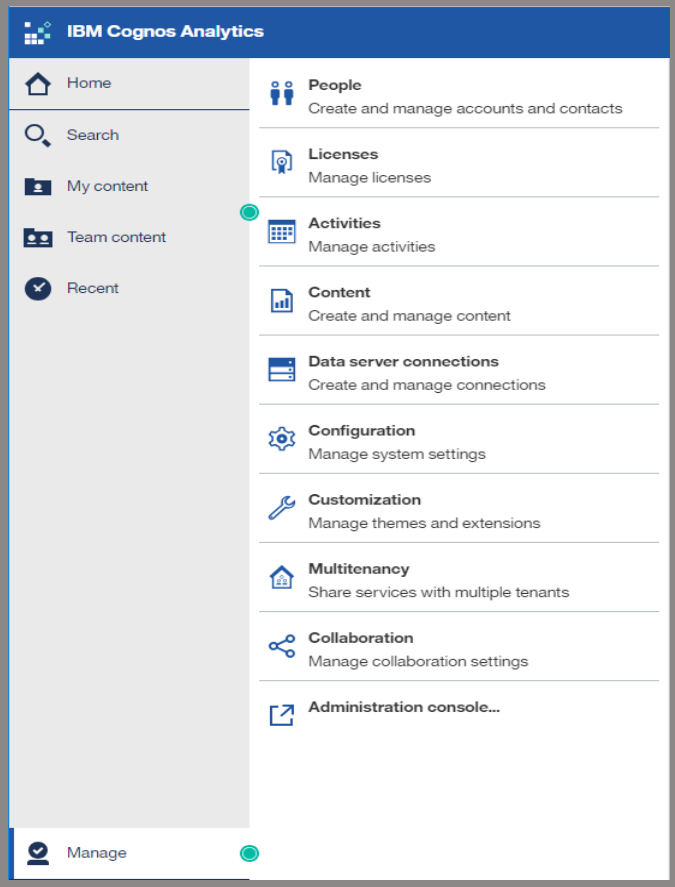
Goals of Manage

- Simplification of common tasks
- Eliminate application restarts
- Manageability of Licenses
- Remove the Administration Console
- Enhanced logging



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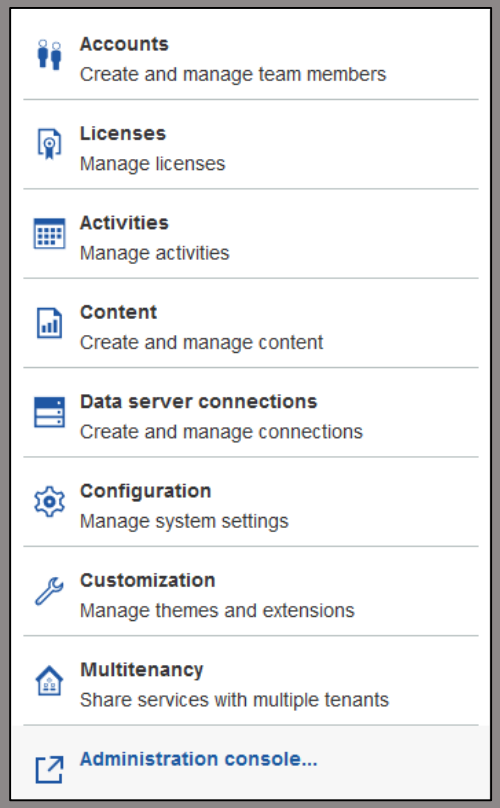
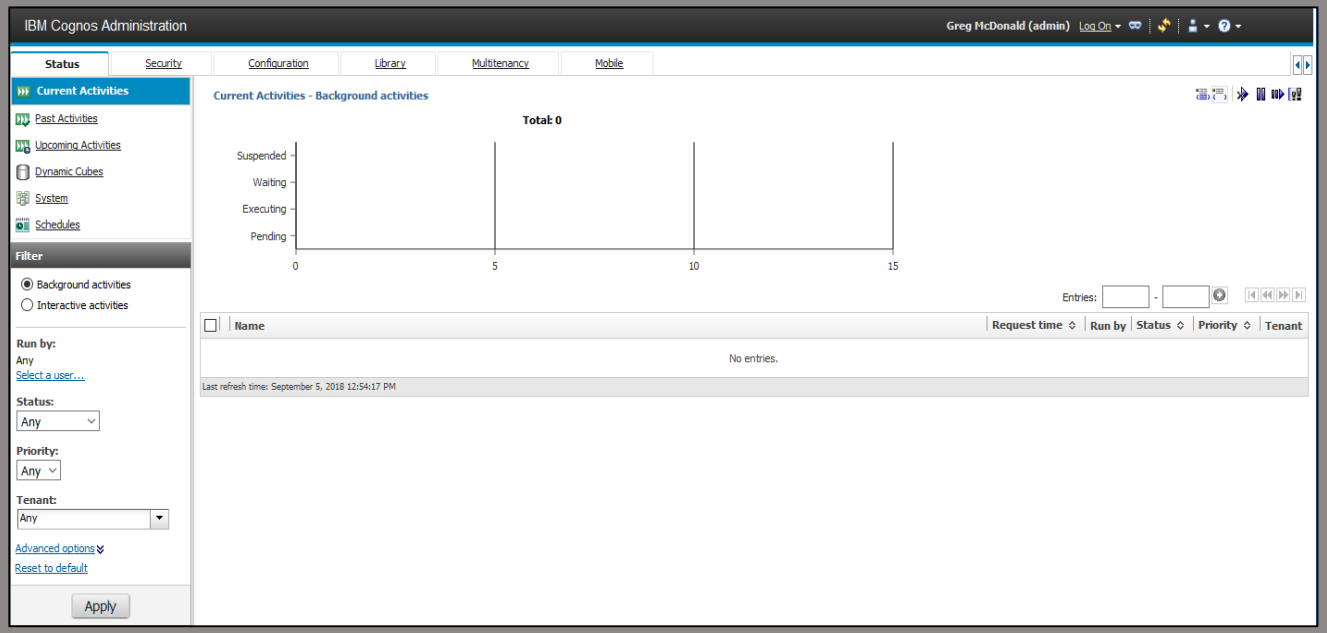
Administration Console



- Must use both to manage the system
- Goal is to completely remove the console



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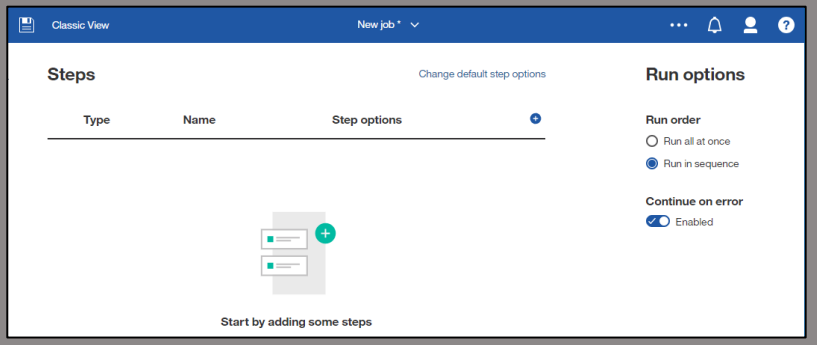
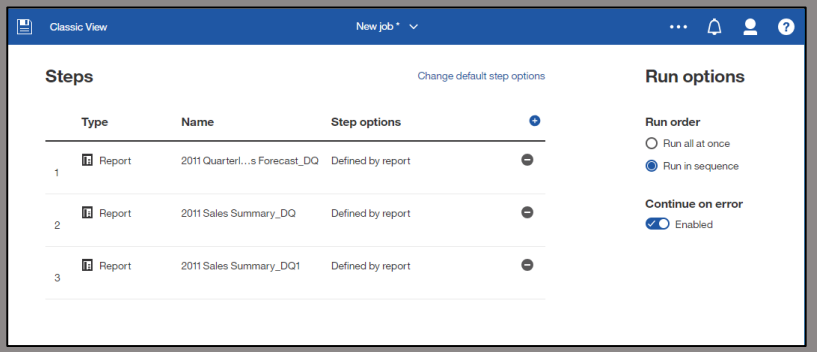
Job Cart

- Simple workflow
- Select your content and it is added automatically
- Simpler UI that allows drag and drop for easy job management
- Setup Steps
- Administration tasks





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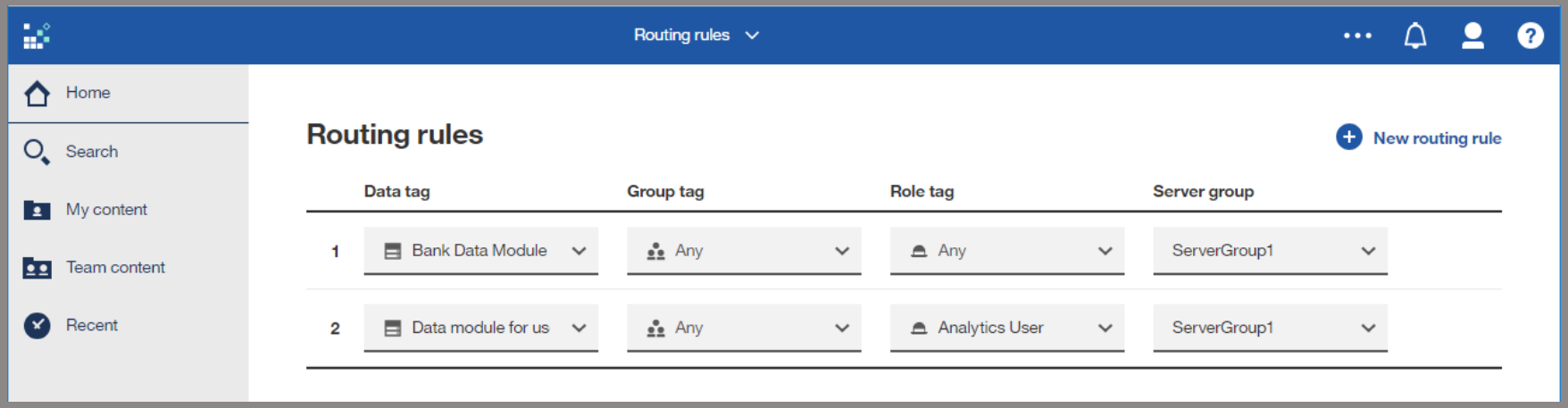
Routing Rules

- Simplification of Advance Routing Rule Management
- Define tags in UI
- Drag and drop rules for simple organization and management



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Session and Diagnostic Logging

- **Diagnostic**
  - Use this in an environment for intermittent problems
  - Content Manager, CAMAAA …
- **Session**
  - Use this feature when a user can reproduce the problem
  - Logs user activity at highest level of detail in every CA component and service that services the users request

NOTE: See Logging PowerPoint deck for additional details

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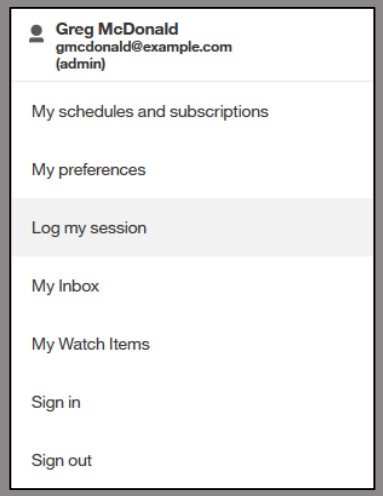
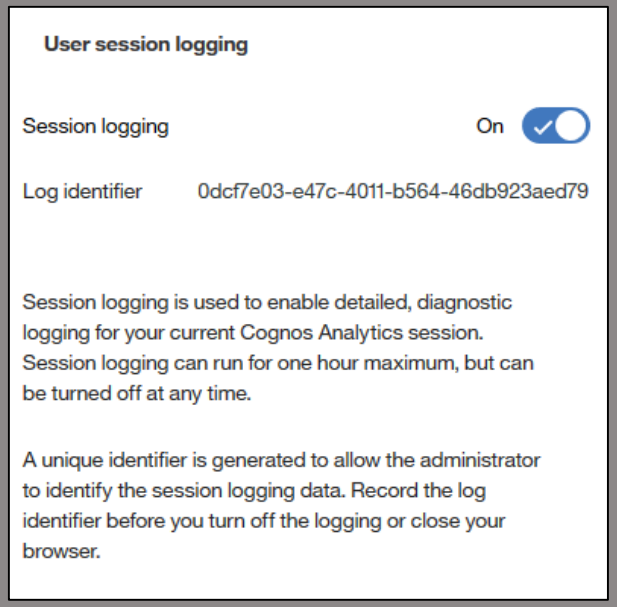
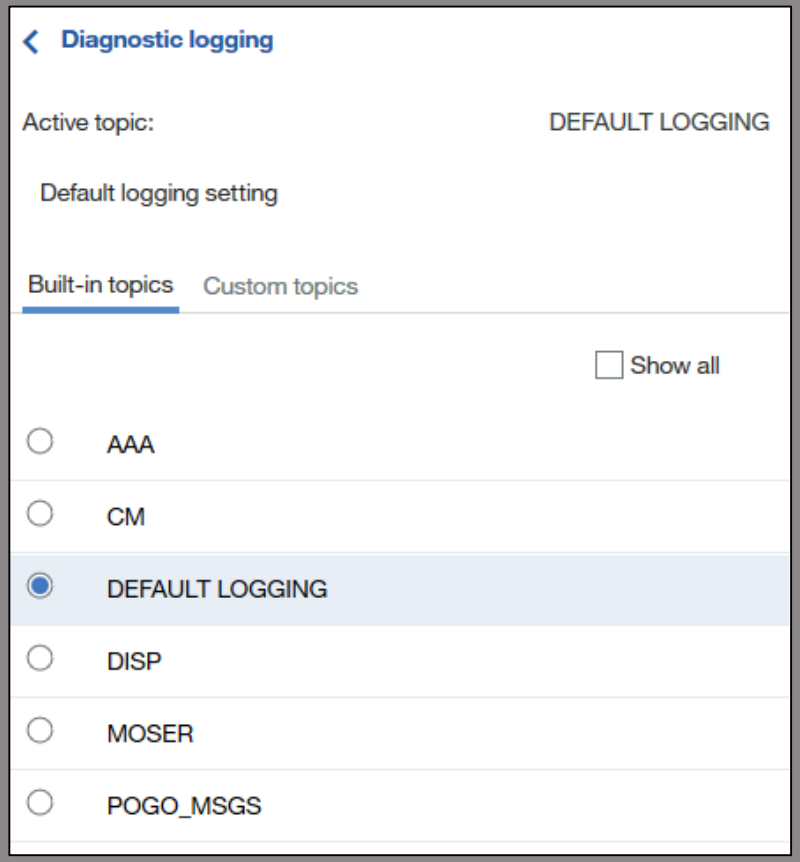
Session and Diagnostic Logging







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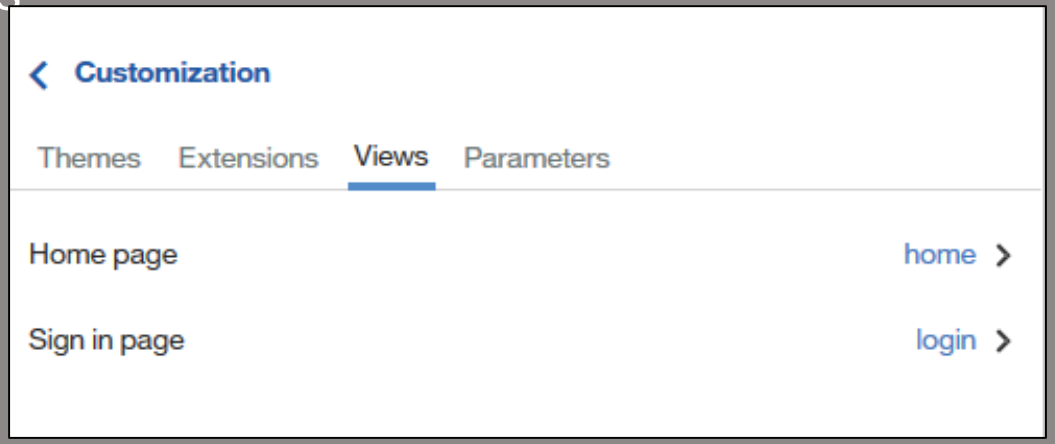
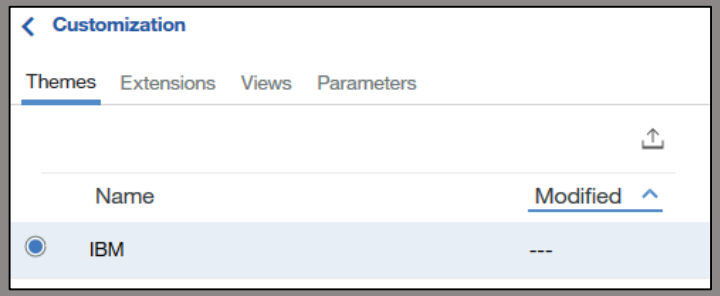
Customization and Automation

- Upload custom Themes and Extensions
- Apply them to Cognos Roles
- Set Default Home Page
- Create custom sign in page
- Samples provided





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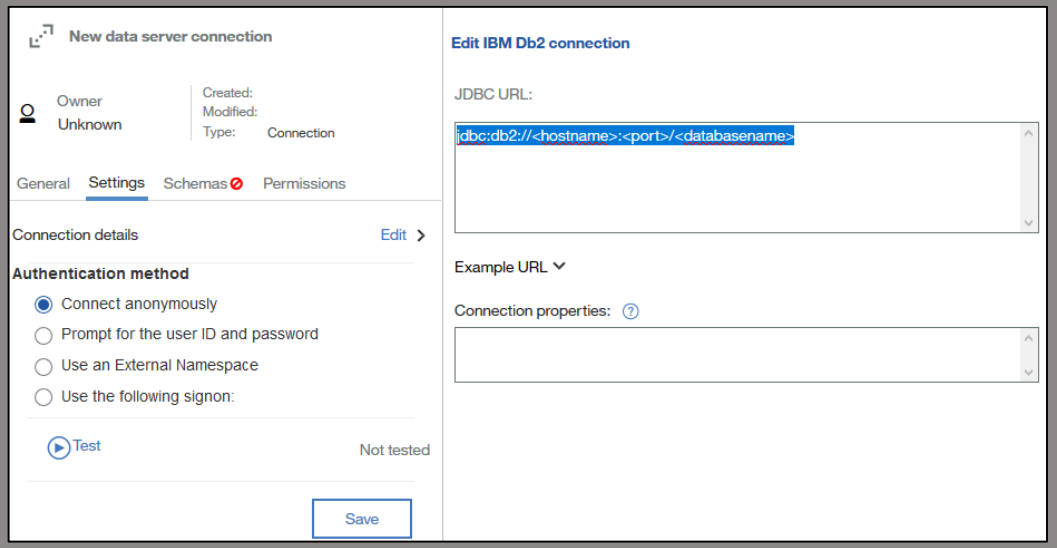
Data Server Connections

- Creating and managing JDBC connections
- Classic Query connections managed in Administration Console



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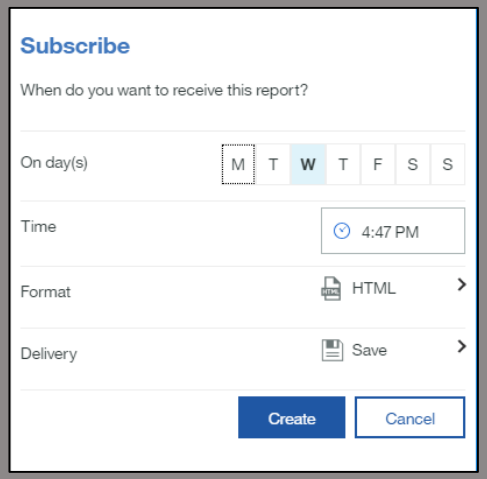
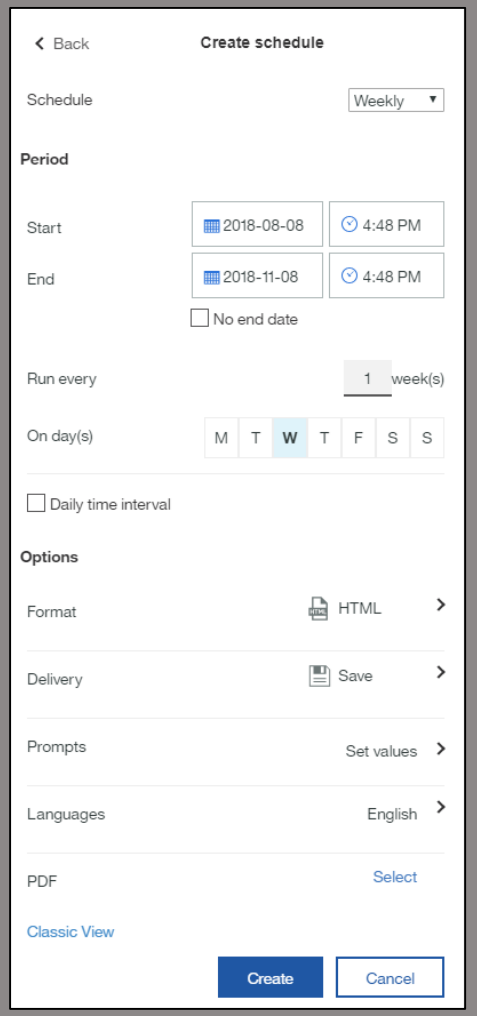
Scheduling

- Simple, easy to configure schedules
- Schedules that offer full functionality for administrators or power users
- Subscription
  - Notification in portal





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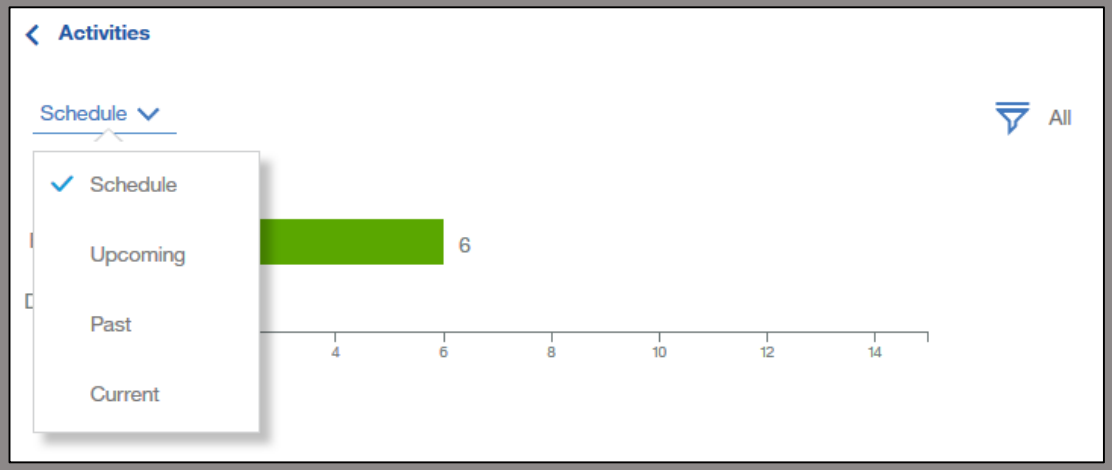
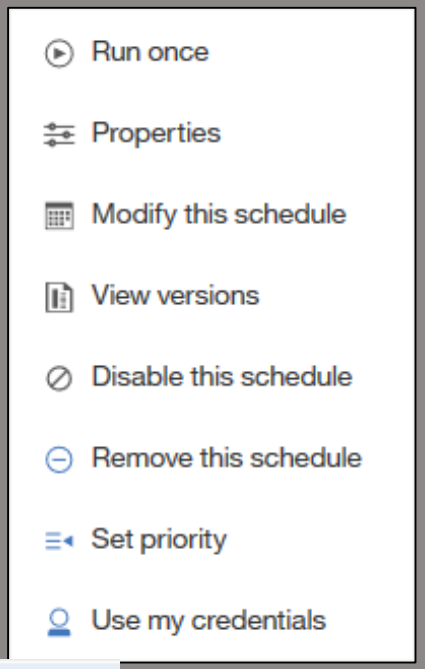
My Schedules and Activities and Manage Activities

- Simple to manage schedules
- Functionality updated





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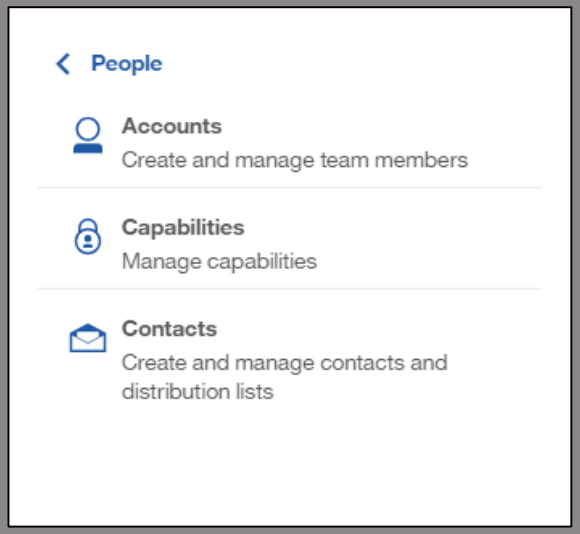
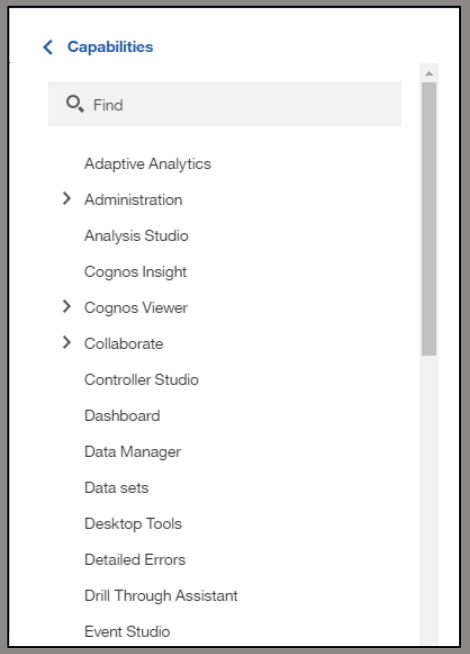
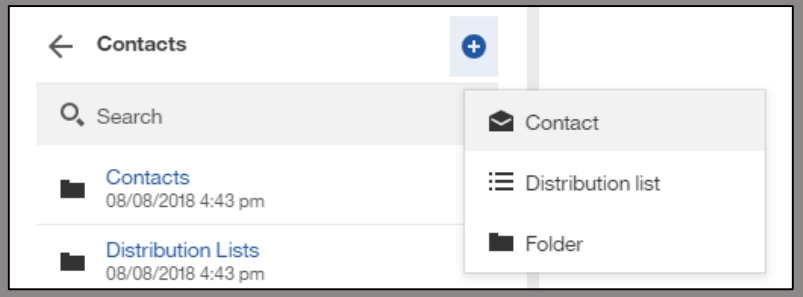
People, Capabilities and Contacts

- Updated and moved to Manage
- Easy to create
- Located for easy access







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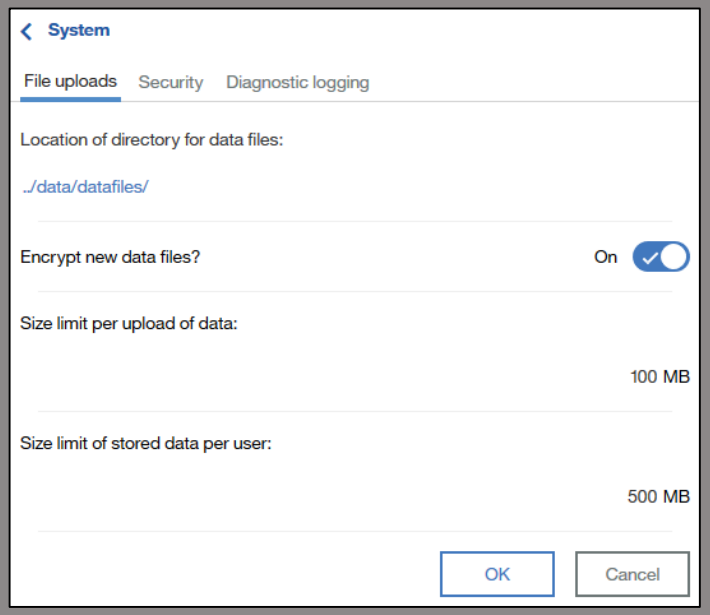
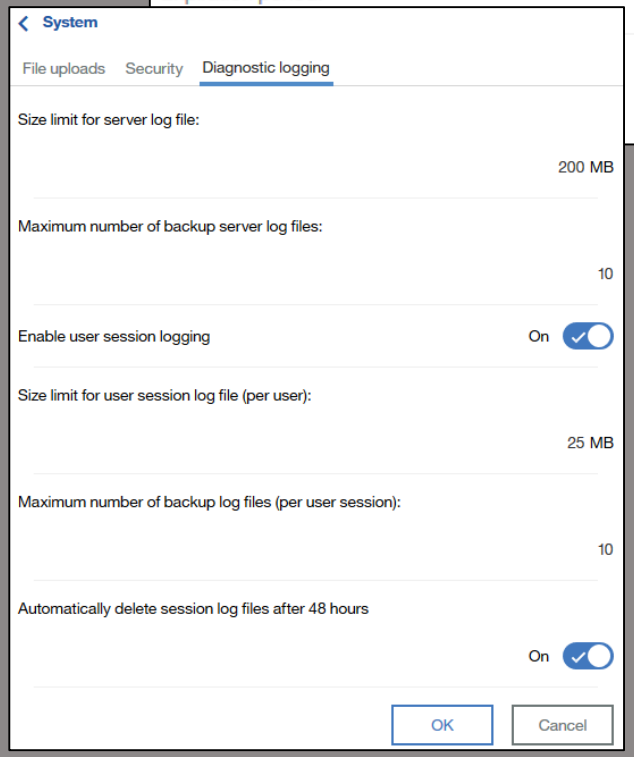
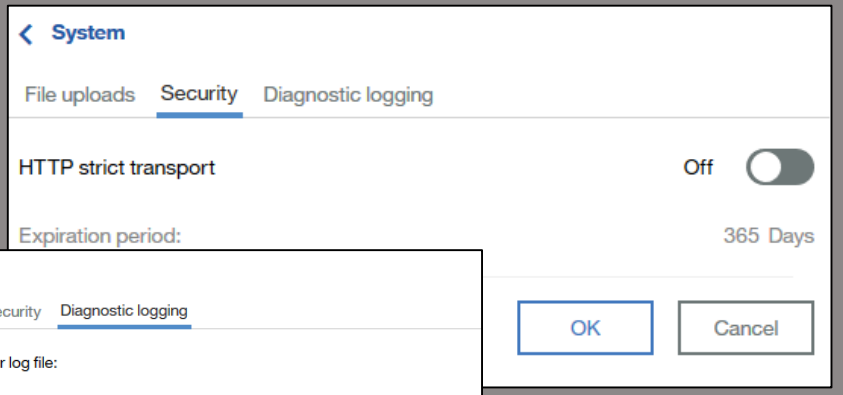
System Configuration

- System Configuration Tasks
- No restarting the application







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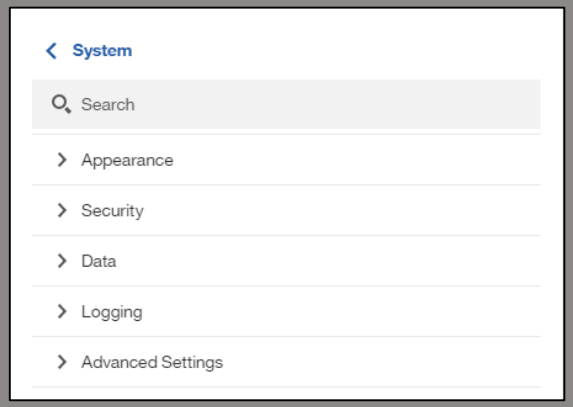
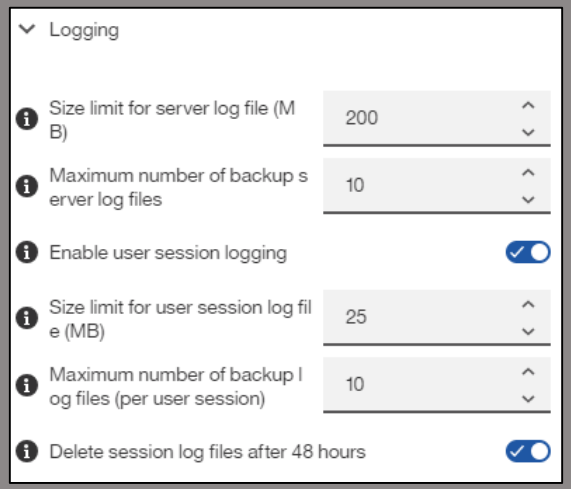
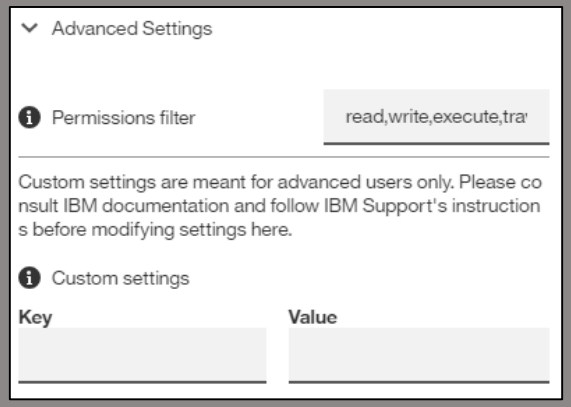
System Configuration

- No more system restarts
- Ease of adding advanced setting configuration
- Granular control of the Cognos Analytics System







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Security

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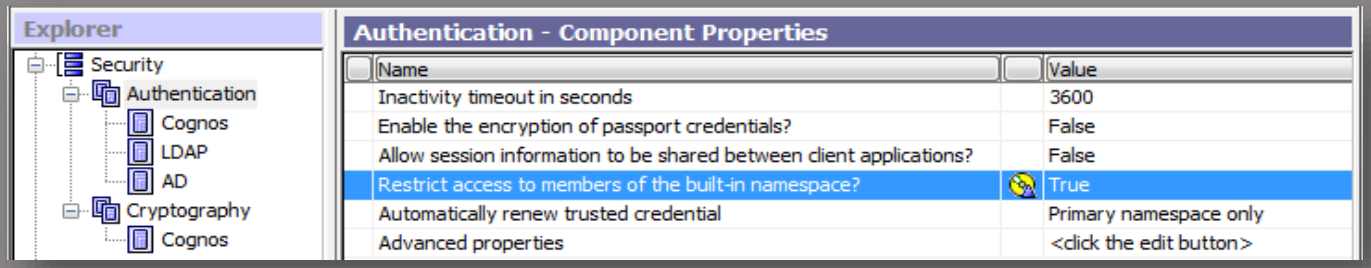
Restricting Access to IBM Cognos Business Intelligence
Ensuring proper access to the application

The corporate directory server being used as the primary authentication source contains more active user accounts than the number of licensed Cognos users.

Restricting user access is critical for a secure environment

- Often overlooked feature
- User must be part of a named group in the Cognos Namespace
- Adds an extra level of security to Access Control Lists



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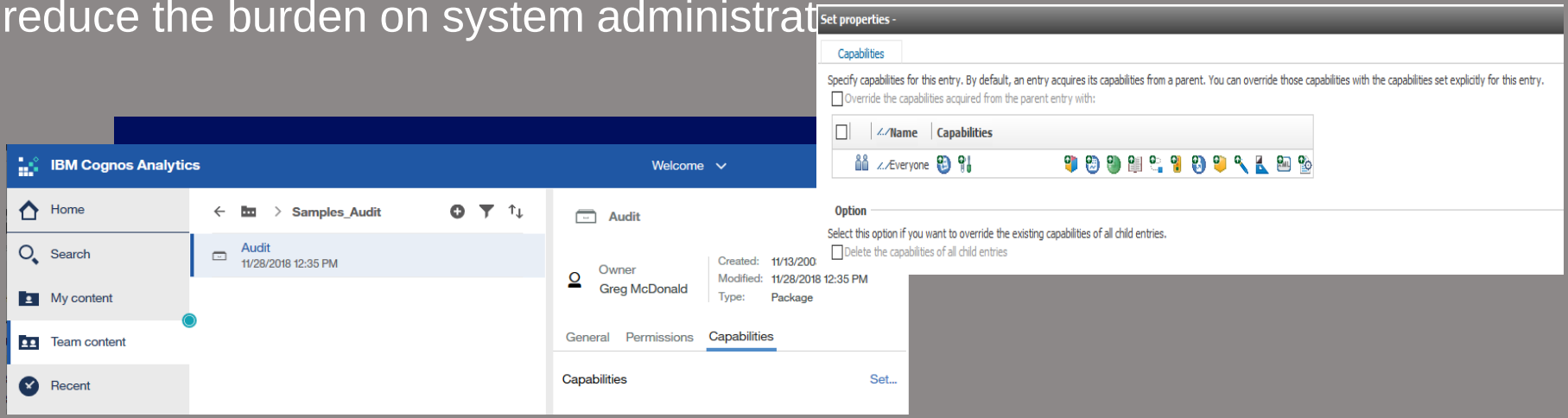
Package Based Capabilities *Content based capabilities*

Although certain users are licensed for a particular area of functionality, it is important that they do not have access that functionality when working with certain data sets

Mirror global capabilities to the Public Folders

- Ensures a consistent baseline that won't violate license assignments
- Licensed user capabilities managed through the Administration Console
- Allows 'content administrators' to manage their own capabilities to reduce the burden on system administrat



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Securing Cognos Analytics

- Based on what we do in the cloud and in the lab
  - Available on our Analytics Community
- Security Checklist that covers
  - SSL to content store and reporting databases
  - Securing components with SSL/TLS
  - Suggested cryptography
- Also includes configuring IBM AppScan

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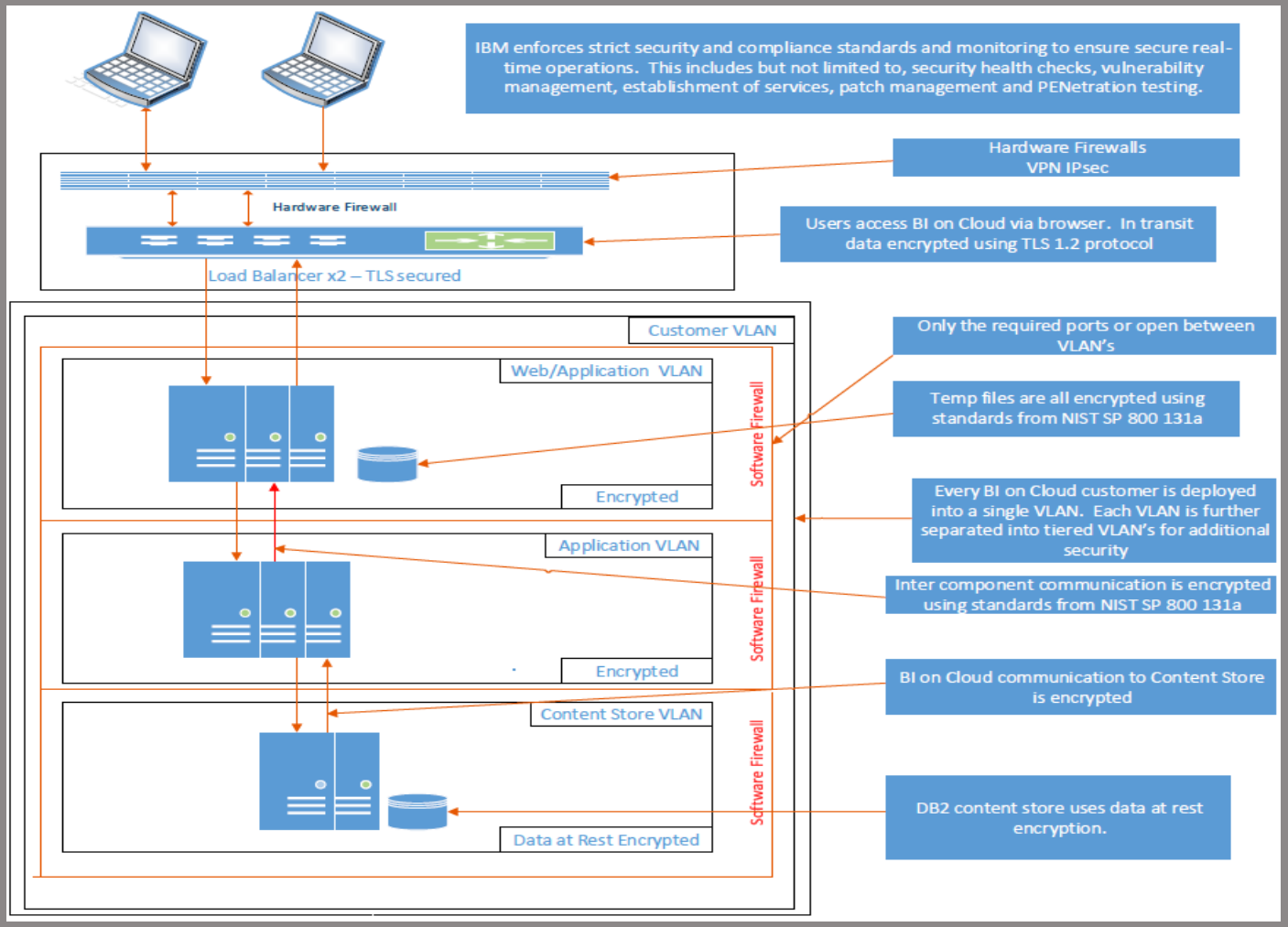

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Openid Connect

Web based security

- OpenID Connect
  - ADFS
  - Okta
  - Ping
  - Salesforce
  - Generic
  - OpenID Connect Authentication Proxy

Web based security

- SAML
  - IBMiD
  - Custom Java Authentication Provider

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Auditing

NEW

- Dashboards and Stories
- Execute reports, dashboards and stories by package for past 30 days
- Execute reports, dashboards and stories by user
- Deleted user account report functionality

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Cognos Analytics 11 – Audit Extension

- Account Audit
  - All users in all configured namespace like created date, basic preferences…
- Content Audit
  - All content including object permission, search path modified date…
- Role/Capability Audit
  - Capabilities assigned to all Groups/Roles, which users are assigned access and all users that make up a group or role

https://developer.ibm.com/tutorials/ibm-cognos-11-audit-extension/

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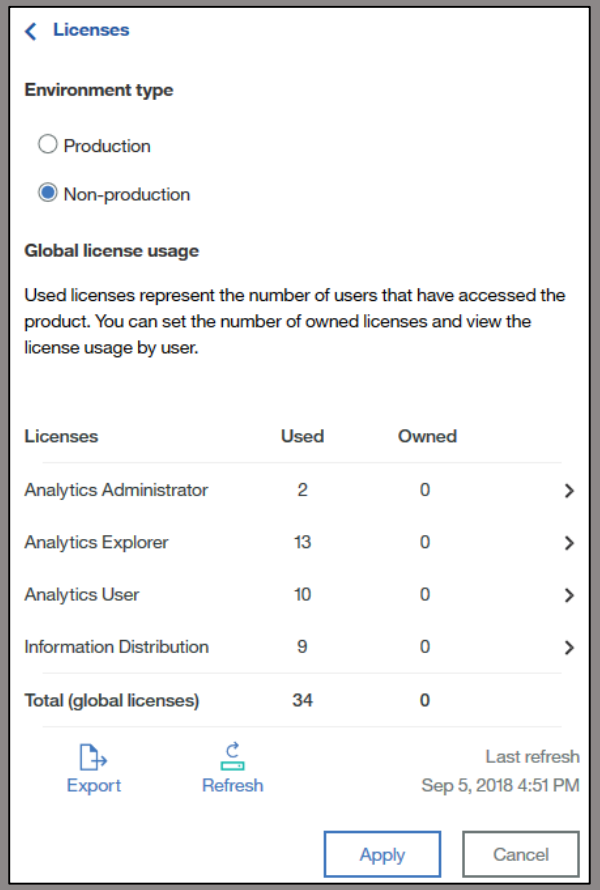
Licenses

- Switch prod/non-prod
- New License Roles
  - 4 license roles now created with proper capabilities assigned
  - Everyone is only part of System Administrator
- **Used** is a calculated value based on capabilities of the user
- **Owned** is input by the administrator
- Free up license requires Content Management cleanup (external consistency check or manual)



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Multi Tenancy

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Multitenancy
Faster time to value in a centralized environment

As part of our deployment infrastructure, it is required that each business unit has their own ‘slice’ of the application.

- Application management is costly
- Complete isolation of tenant content in an IBM Cognos Analytics instance
- Reduce content proliferation through tenant based filters
- Reduce overhead of maintaining security policies
- Deploy tenant specific content

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Multitenancy
Faster time to value in a centralized environment

As part of our deployment infrastructure, it is required that each business unit has its own ‘slice’ of the application.

- Enhanced security through multitenancy
- Tenant aware auditing
- Content assigned a tenant ID when created and only visible by others within that tenant ID
- Reduce security exposure due to human error or oversight

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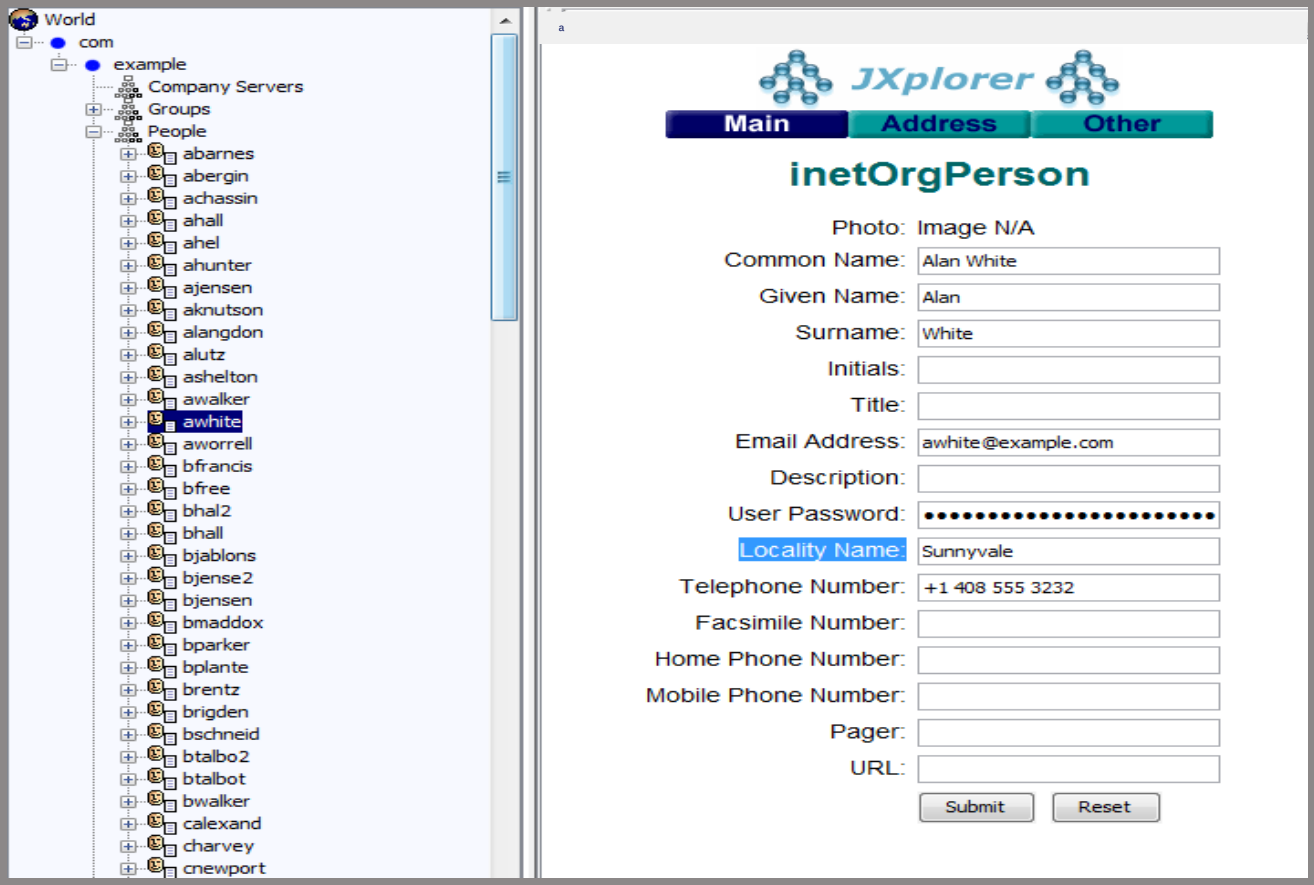
Multitenancy



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Architecture

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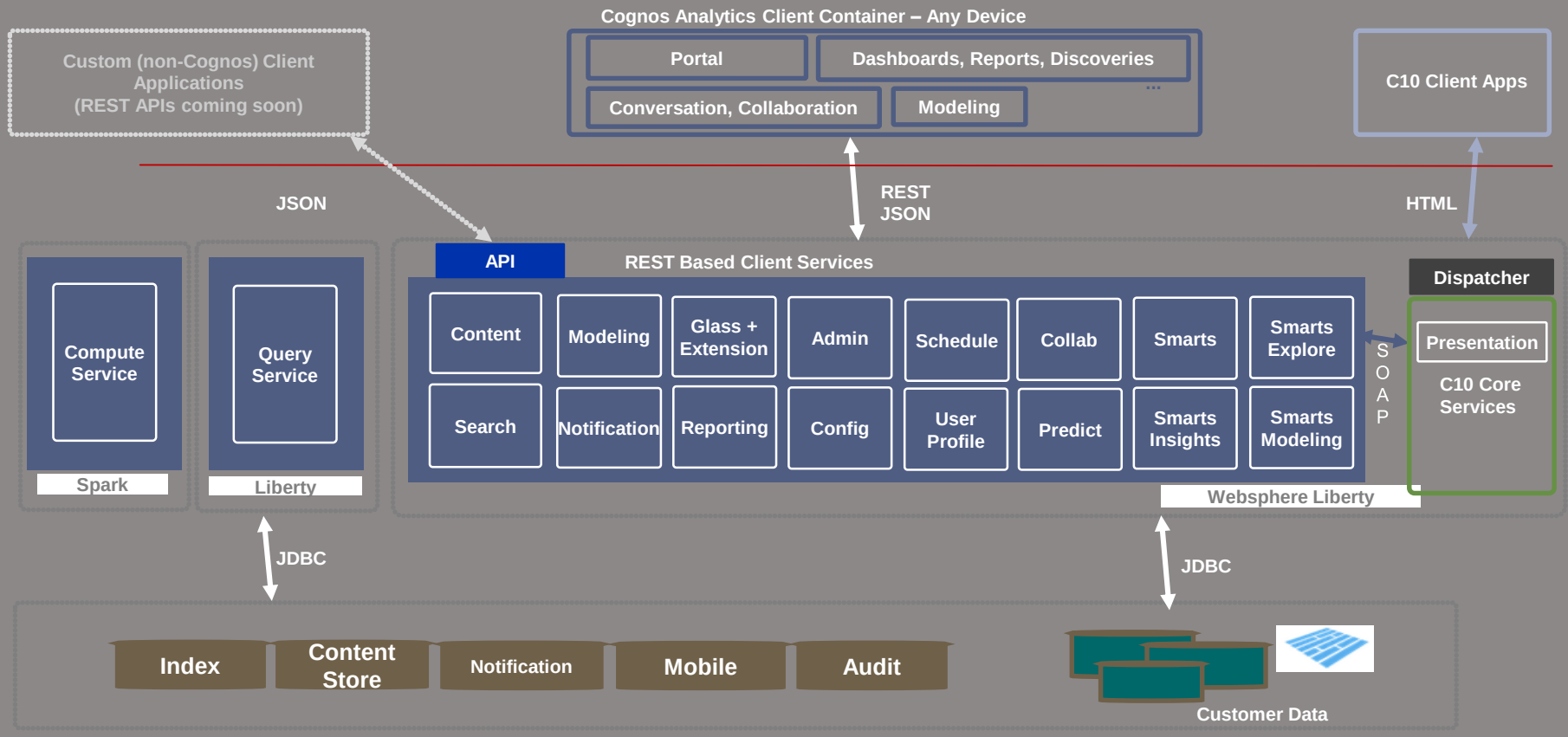
Cognos Analytics Client / Services Architecture



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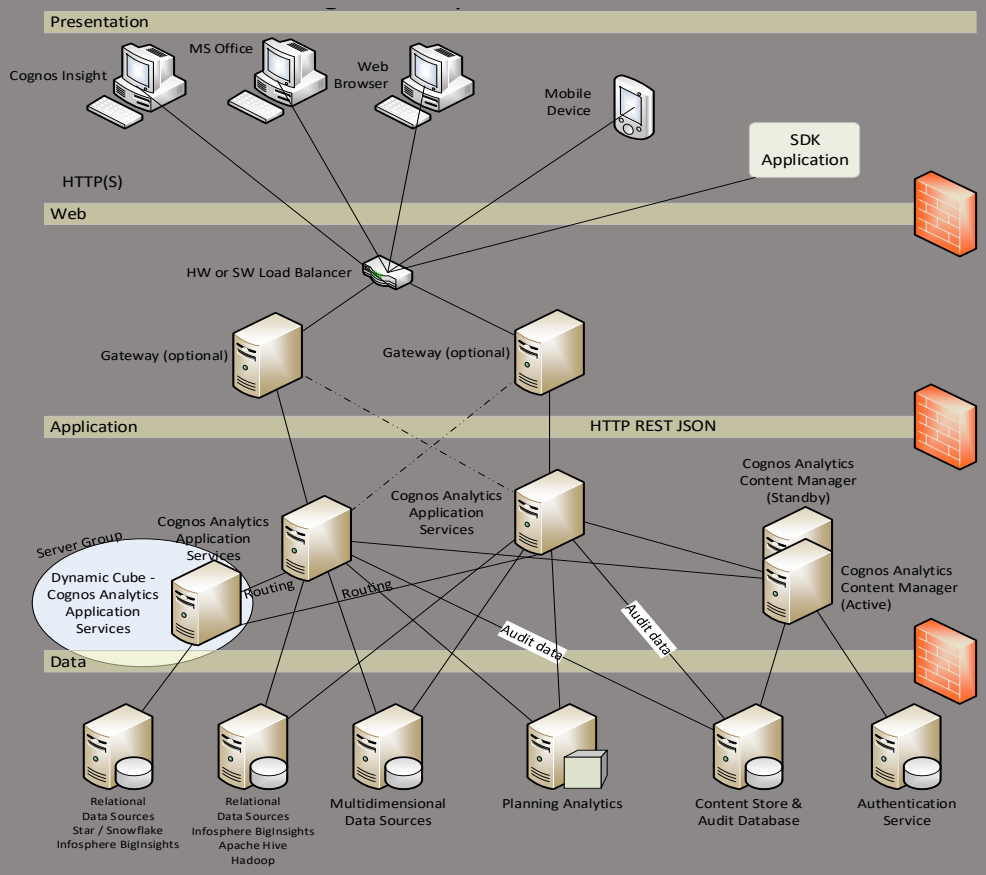
Cognos Analytics 11.0/11.1 Deployment Topology



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New Memory Requirements

	11.0 Default Size	11.1 Default Size	11.1 Minimum Requirement Size
Dispatcher JVM	4 GB	8 GB	8 GB
Query Service JVM	4 GB	4 GB	4 GB
Compute Service JVM	N/A	8 GB	8 GB

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Capacity planning

Core Sizing activities don't change from 10.2.2

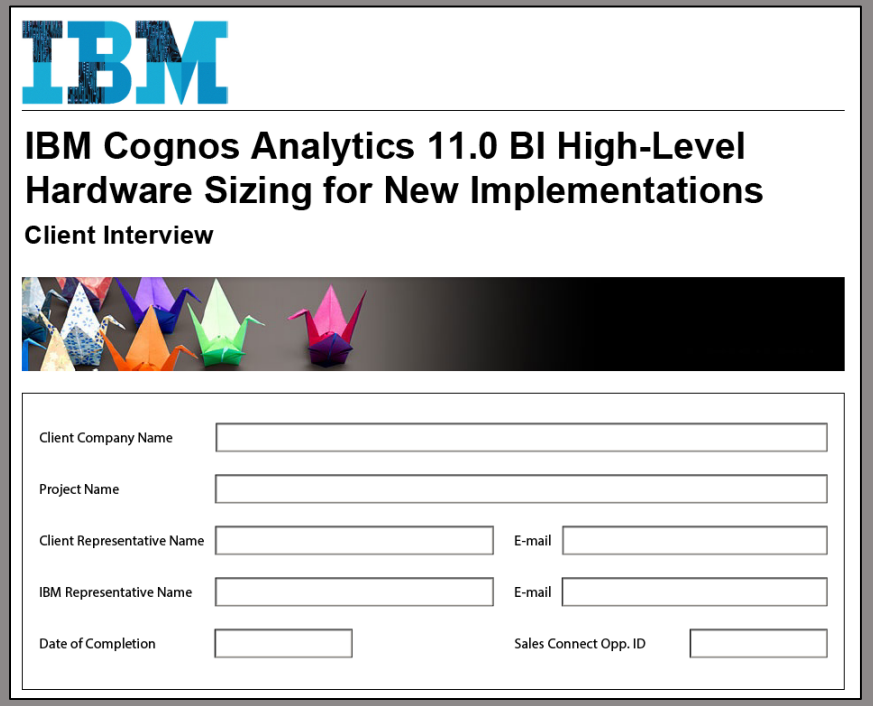
- Default jvm's increased in Cognos Analytics

You previous sizing is the best starting place

- Consider and test new capabilities (dashboards/data modules)
- Monitor, tune and adjust

Two new documents to help you understand and tune your system

- Customer sizing guide
- Performance monitoring and tuning



IBM

IBM Cognos Analytics 11.0 BI High-Level Hardware Sizing for New Implementations

Client Interview

Client Company Name			
Project Name			
Client Representative Name		E-mail	
IBM Representative Name		E-mail	
Date of Completion		Sales Connect Opp. ID	

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Upgrading

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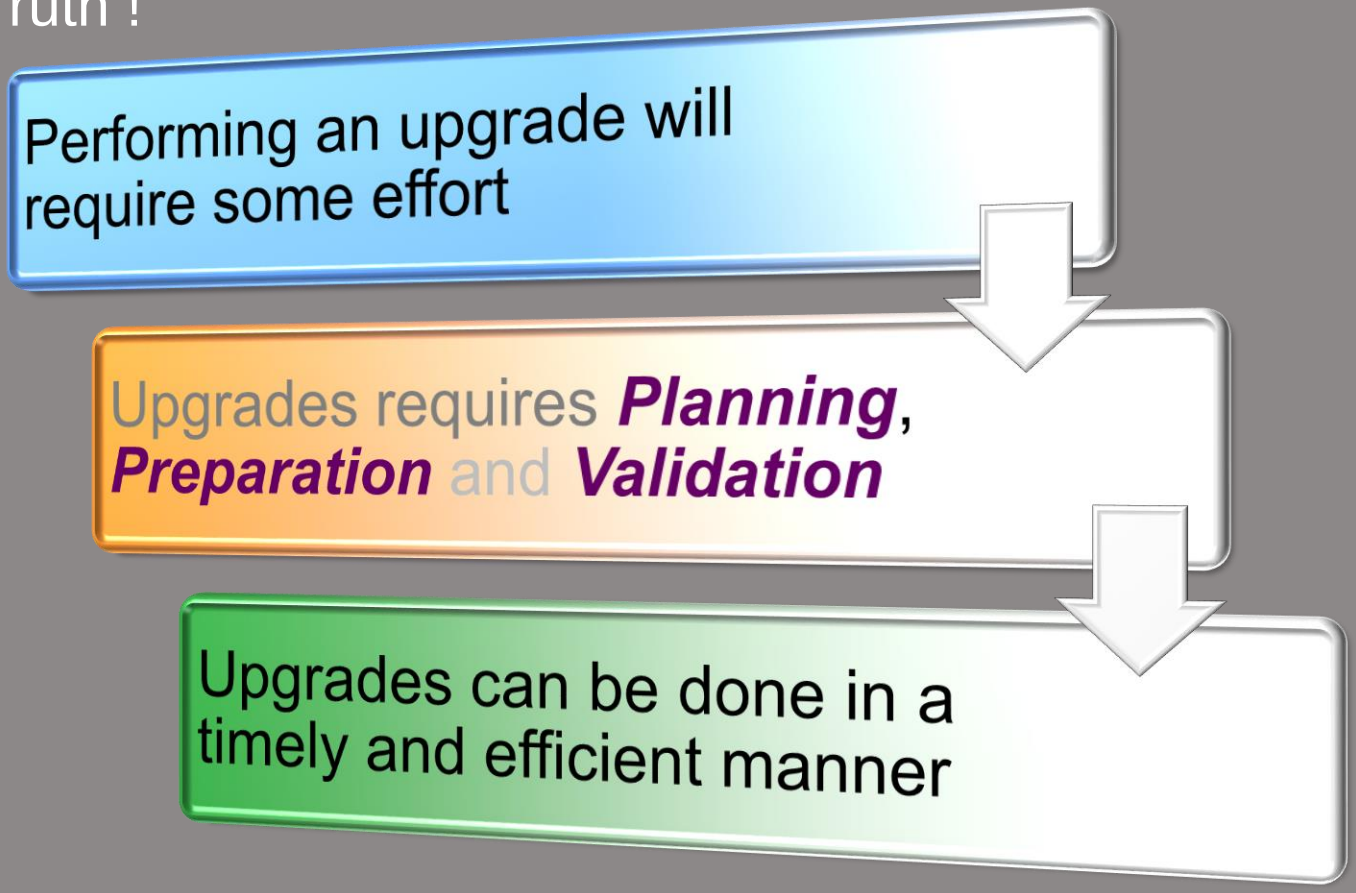
Face the Truth !



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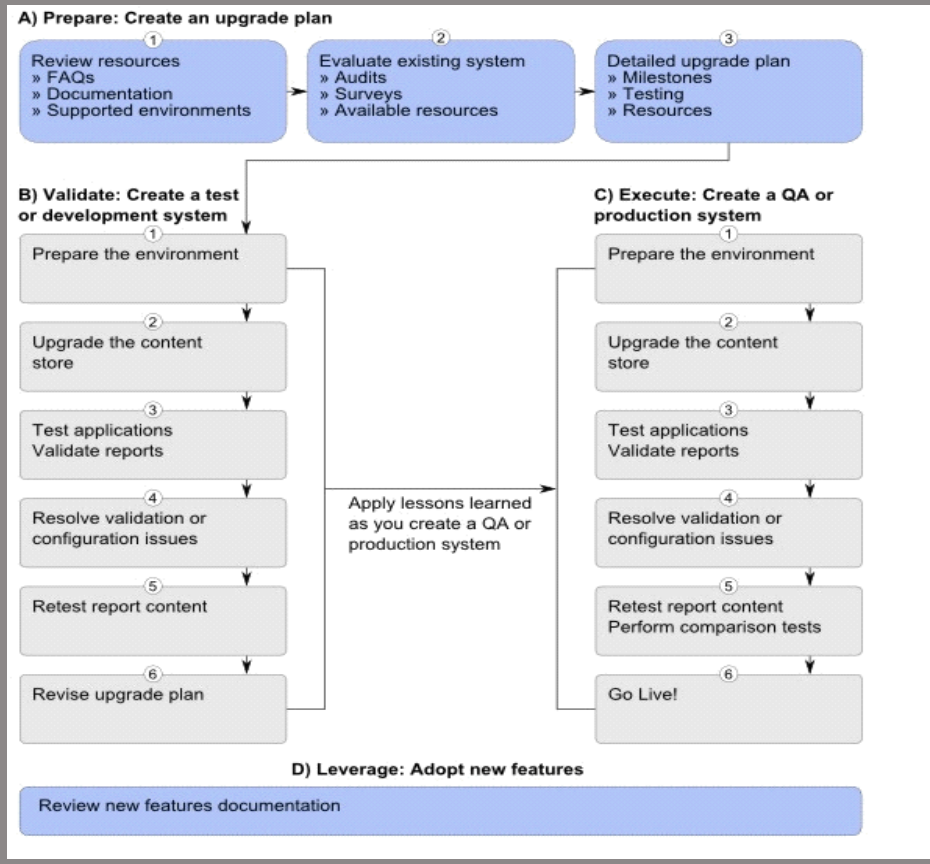
4 stages of the upgrade

Proven Methodology

- Included within the installation and configuration guide
- *Recommended*, *proven* workflow, *approach* to upgrade
- Great *starting point* for the creation of *your plan!*
- *Review, evaluate, plan/execute and Adopt new features*



IBM Cognos Upgrade Central
https://www.ibm.com/software/analytics/cognos/customercenter/upgrade.html
Upgrade Central provides everything you need for planning and deploying the latest release of your IBM **Cognos** software, including system requirements,
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Comparing reports with Lifecycle Manager

Tasks

- Compare live Cognos environments, or static files using benchmark
- Users can manually define prompts, or to have LCM automatically set prompt values for multiple reports at once
- Identifies how you run and render your reports
  - Run CQ reports in DQ
  - Set output type of XML, HTML, PDF

Compare Viewer

- Side by side or over top comparison
- View by error type
- Highlight area of difference
- Navigate across pages

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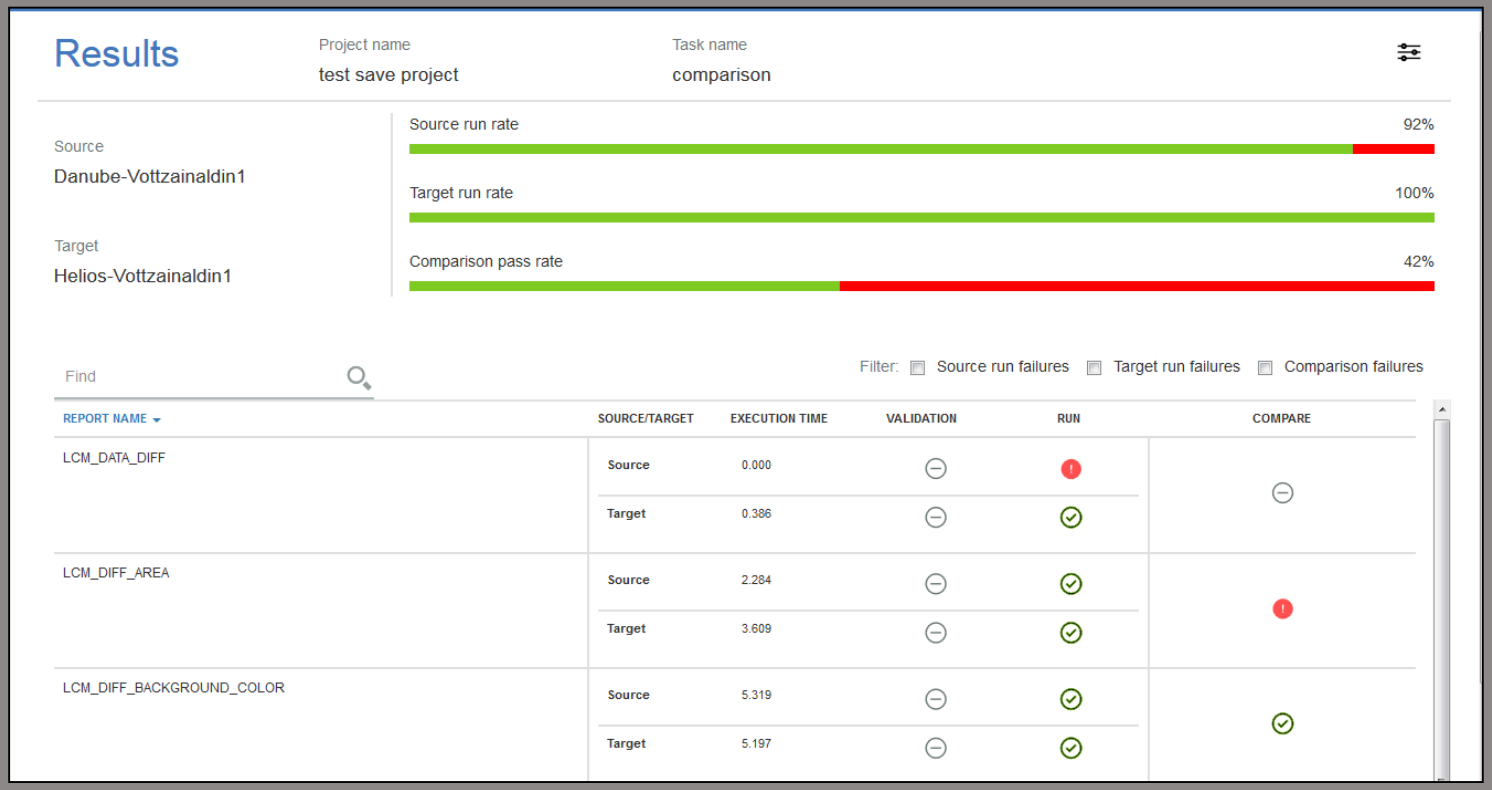
Comparing reports with Lifecycle Manager



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- Full Upgrade Implementation
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- BI Concierge
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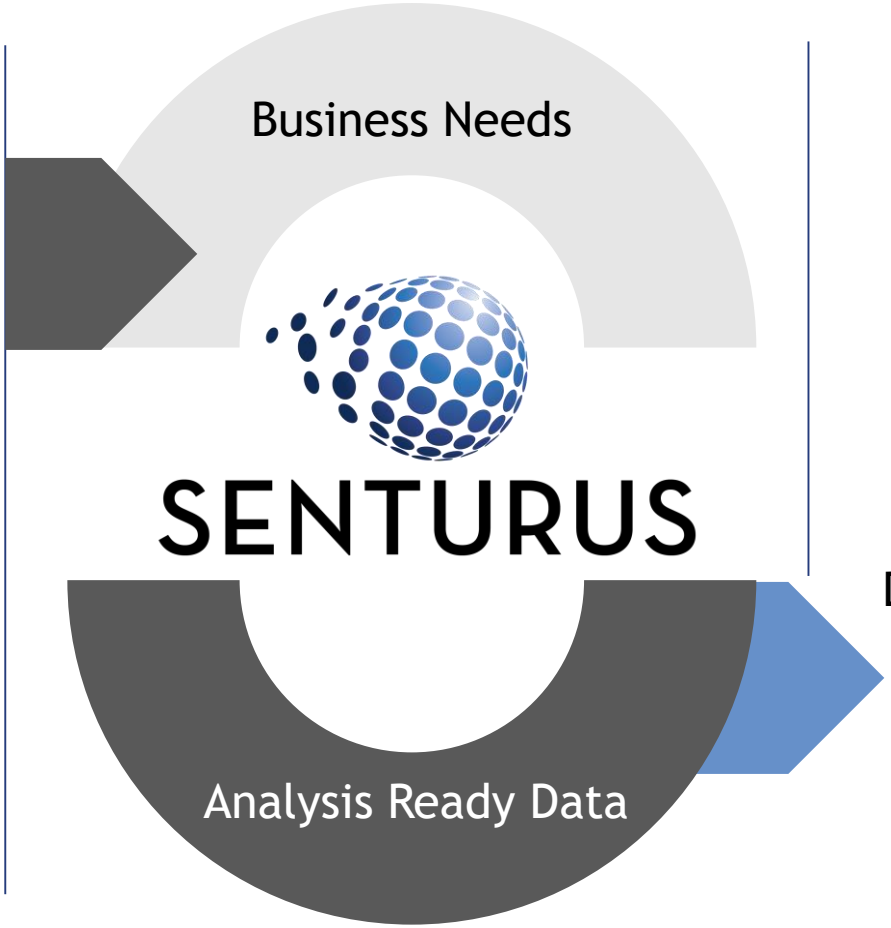
Business Analytics Consultants

Bridging the Gap between Data & Decision Making



Decisions & Actions

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Business Analytics Architects

- Dashboards, reporting & visualizations
- Data preparation & modern data warehousing
- Self-service business analytics
- Salesforce reporting
- Proprietary software to enable bimodal BI and platform migrations

IBM Cognos Analytics

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Upcoming Events

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ANALYST ALERT: DATA MODELING IS A REQUIRED SKILL

FLAWED DATA AND BAD DECISIONS RESULT FROM POOR DATA MODELS

Thursday, March 28, 2019 - 11am PT (2pm ET) - 60 minutes

MOVING BI TO THE CLOUD?

PROS, CONS & CONSIDERATIONS

Thursday, April 11 - 11am PT (2pm ET) - 60 minutes

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Q&A

If your question or issue is broader than what can be answered today, contact us at

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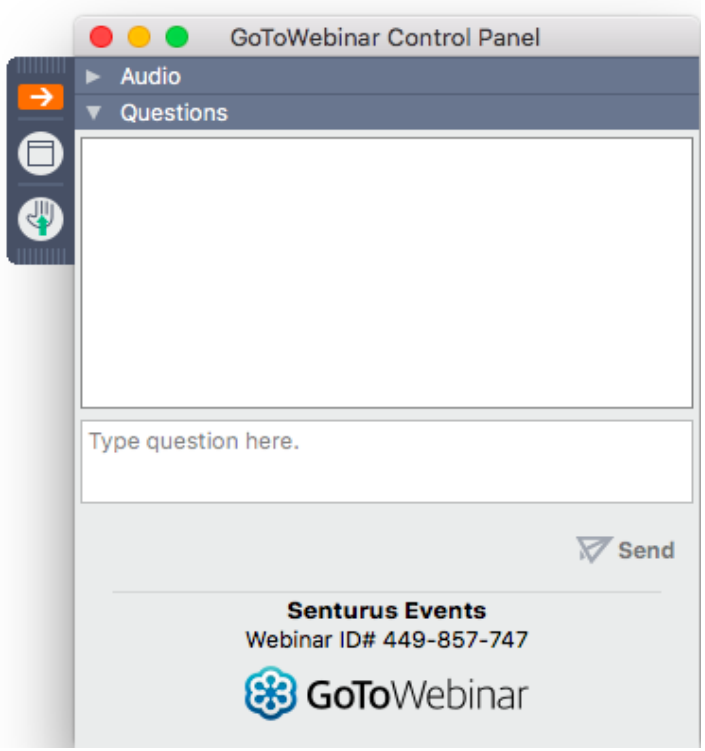
and we will set up a free consultation.



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