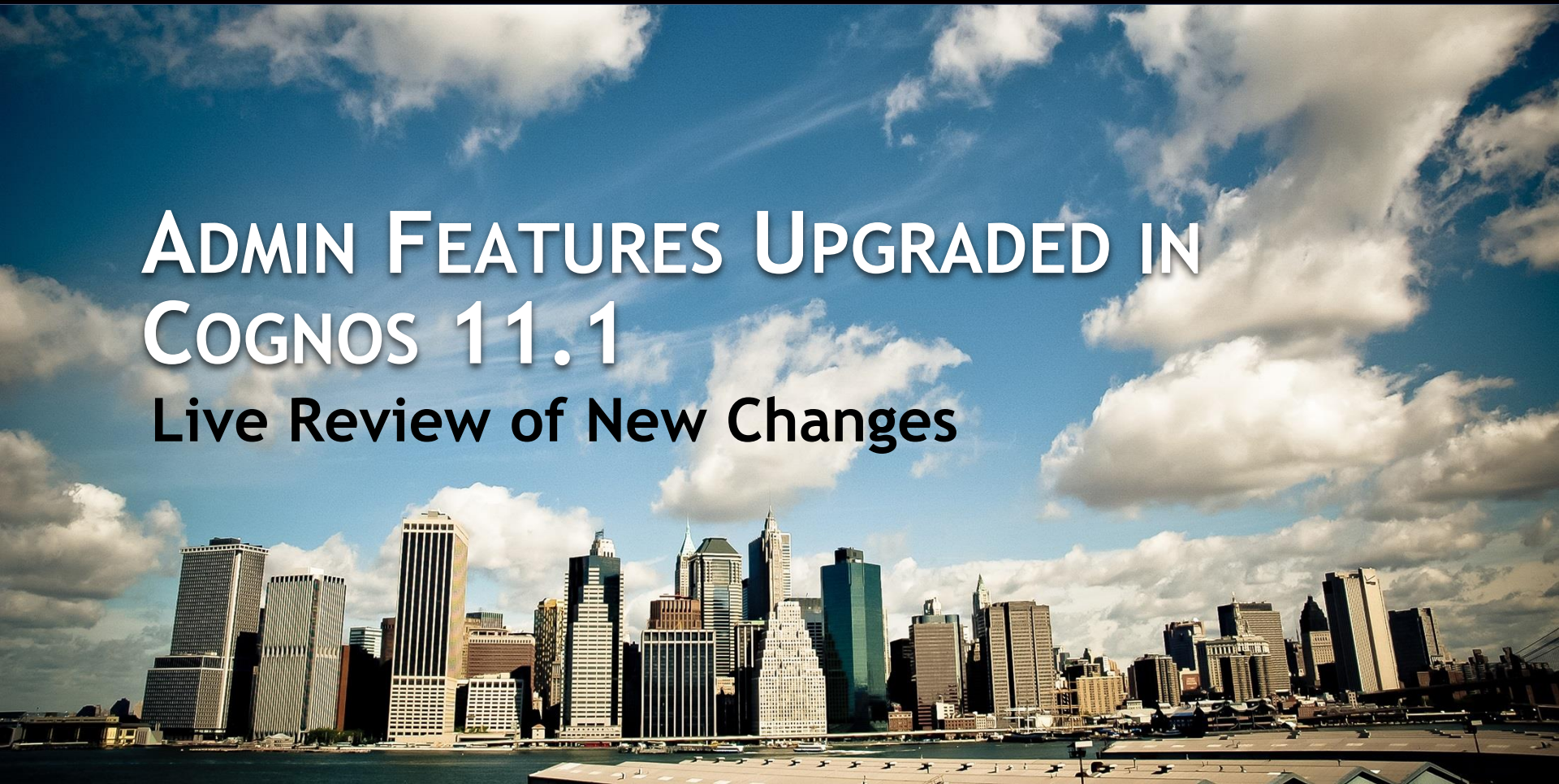




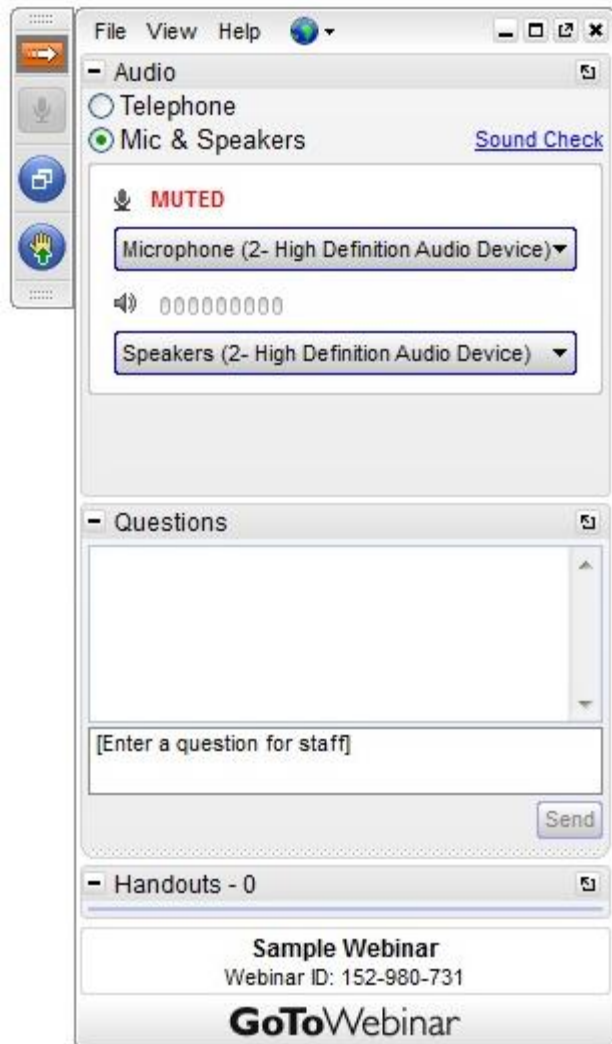
SENTURUS

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

Presentation Slide Deck

www.senturus.com/resources/






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Welcome to our extensive, free library of past webinars, demos, whitepapers, presentations and helpful hints. Use the topic boxes to the right to filter through and easily locate content. We are constantly adding new materials, so please check back often to see our latest content. Enjoy!

SEARCH RESOURCES

SORT BY

RESOURCE TITLE	TYPE	GO	
USE VISUAL ANALYTICS TOOLS WITH TRUSTED COGNOS DATA Senturus Analytics Connector Enables BiModal BI	 FEATURES	→	<input type="checkbox"/> BUDGETING FORECASTING & STRATEGIC PLANNING (2) <input type="checkbox"/> COGNOS (1) <input type="checkbox"/> COGNOS ANALYTICS (0)
GREAT BI: IT'S NOT ABOUT THE TOOLS! How to Lead Your Team to BI Success	 BUSINESS STRATEGY	→	<input checked="" type="checkbox"/> DASHBOARDS REPORTING AND VISUALIZATIONS (17) <input type="checkbox"/> DATA ARCHITECTURE (6) <input type="checkbox"/> DATA PREPARATION (8)
A COMPARISON OF POWER BI, TABLEAU & COGNOS Differentiators Demo'd	 FEATURES	→	<input checked="" type="checkbox"/> PREDICTIVE ANALYTICS (12) <input type="checkbox"/> REPORTING AND VISUALIZATIONS (1)

Agenda

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

Introducing...Today's Presenters



Greg McDonald
Offering Manager
IBM



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

Session 3684 – Administration

Greg McDonald
Offering Manager

Administration and Manage

Security

Multi Tenancy

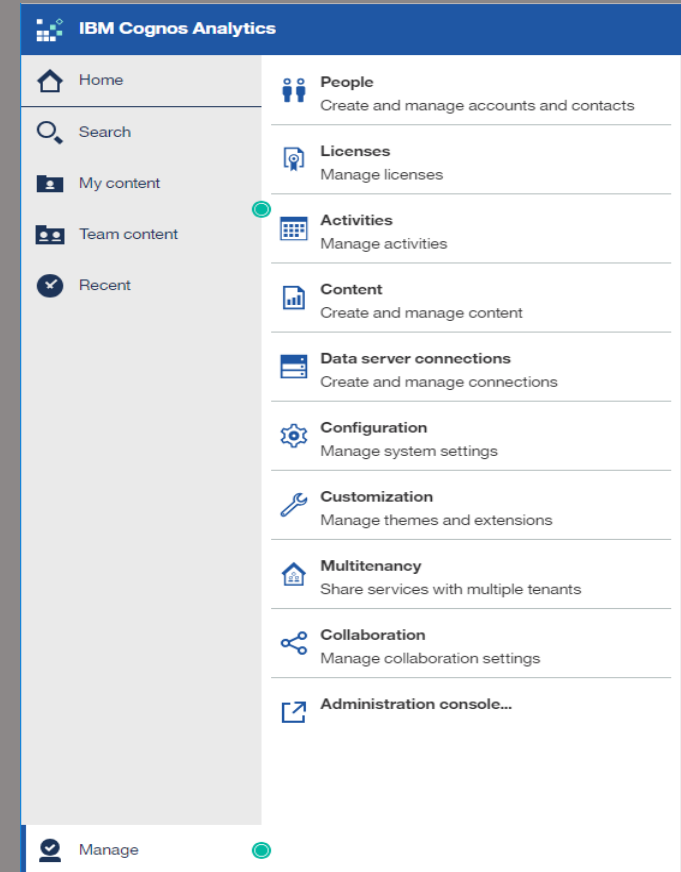
Architecture

Upgrade

Administration and Manage


Goals of Manage


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





Administration Console


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


 **Accounts**
Create and manage team members


 **Licenses**
Manage licenses


 **Activities**
Manage activities


 **Content**
Create and manage content

 **Data server connections**
Create and manage connections

 **Configuration**
Manage system settings

 **Customization**
Manage themes and extensions

 **Multitenancy**
Share services with multiple tenants

 **Administration console...**

IBM Cognos Administration

Greg McDonald (admin) Log Out

StatusSecurityConfigurationLibraryMultitenancyMobile

Current Activities

Past Activities

Upcoming Activities

Dynamic Cubes

System

Schedules

Filter

☒ Background activities

☐ Interactive activities

Run by:
Any
[Select a user...](#)

Status:
Any

Priority:
Any

Tenant:
Any

[Advanced options](#)

[Reset to default](#)

Apply

Current Activities - Background activities

Total 0

Suspended

Waiting

Executing

Pending

051015

Entries: -

☐ Name

Request time

Run by

Status

Priority

Tenant

No entries.

Last refresh time: September 5, 2018 12:54:17 PM


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



Classic View New job * ▾

Steps [Change default step options](#)

Type	Name	Step options	
			
Start by adding some steps			

Run options

Run order

☐ Run all at once

☒ Run in sequence

Continue on error

☒ Enabled

Classic View New job * ▾

Steps [Change default step options](#)

	Type	Name	Step options	
1	Report	2011 Quarterl...s Forecast_DQ	Defined by report	⊖
2	Report	2011 Sales Summary_DQ	Defined by report	⊖
3	Report	2011 Sales Summary_DQ1	Defined by report	⊖

Run options

Run order

☐ Run all at once

☒ Run in sequence

Continue on error

☒ Enabled

Routing Rules

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

The screenshot shows a web application interface for managing routing rules. On the left is a sidebar with navigation links: Home, Search, My content, Team content, and Recent. The main header is blue with the text 'Routing rules' and a dropdown arrow, along with icons for menu, notifications, user, and help. The main content area is titled 'Routing rules' and includes a '+ New routing rule' button. Below the title is a table with four columns: Data tag, Group tag, Role tag, and Server group. The table contains two rows of rules.

	Data tag	Group tag	Role tag	Server group
1	Bank Data Module ▼	Any ▼	Any ▼	ServerGroup1 ▼
2	Data module for us ▼	Any ▼	Analytics User ▼	ServerGroup1 ▼

- **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

Session and Diagnostic Logging

 **Greg McDonald**
gmcdonald@example.com
(admin)

My schedules and subscriptions

My preferences

Log my session

My Inbox


My Watch Items

Sign in

Sign out

User session logging

Session logging

On 

Log identifier

0dcf7e03-e47c-4011-b564-46db923aed79

Session logging is used to enable detailed, diagnostic logging for your current Cognos Analytics session. Session logging can run for one hour maximum, but can be turned off at any time.

A unique identifier is generated to allow the administrator to identify the session logging data. Record the log identifier before you turn off the logging or close your browser.

< Diagnostic logging

Active topic: DEFAULT LOGGING

Default logging setting

Built-in topics

Custom topics

☐ Show all

☐ AAA

☐ CM

☒ DEFAULT LOGGING

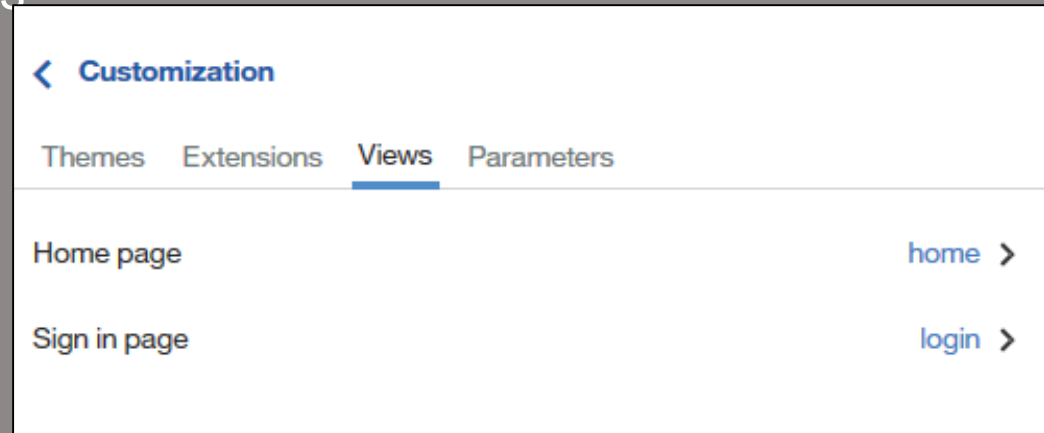
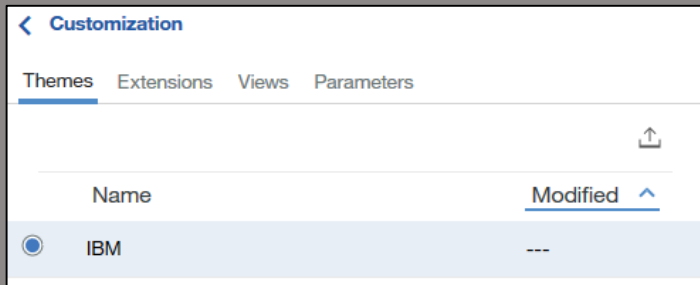
☐ DISP

☐ MOSER

☐ POGO_MSGS

Customization and Automation

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



Data Server Connections

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



New data server connection

Owner
Unknown

Created:
Modified:
Type: Connection

General Settings Schemas Permissions

Connection details Edit

Authentication method

☒ Connect anonymously

☐ Prompt for the user ID and password

☐ Use an External Namespace

☐ Use the following signon:

Test

Not tested

Save

Edit IBM Db2 connection

JDBC URL:

jdbc:db2://<hostname>:<port>/<database>

Example URL

Connection properties: ?

Scheduling

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

Subscribe

When do you want to receive this report?

On day(s) M T W T F S S

Time 🕒 4:47 PM

Format 📄 HTML >

Delivery 📁 Save >

Create Cancel



< Back

Create schedule

Schedule Weekly ▼

Period

Start 📅 2018-08-08 🕒 4:48 PM

End 📅 2018-11-08 🕒 4:48 PM

☐ No end date

Run every 1 week(s)

On day(s) M T W T F S S

☐ Daily time interval

Options

Format 📄 HTML >

Delivery 📁 Save >

Prompts Set values >

Languages English >

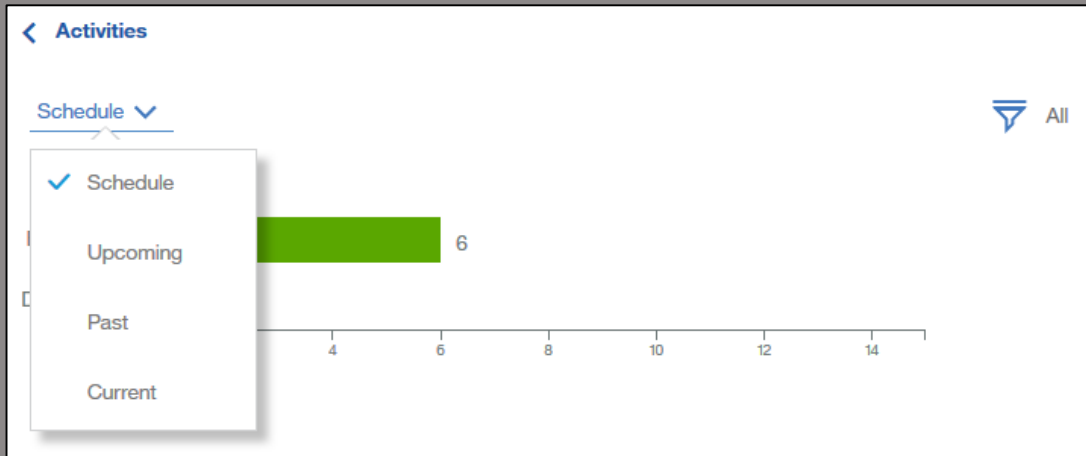
PDF Select

[Classic View](#)

Create Cancel

My Schedules and Activities and Manage Activities

- Simple to manage schedules
- Functionality updated

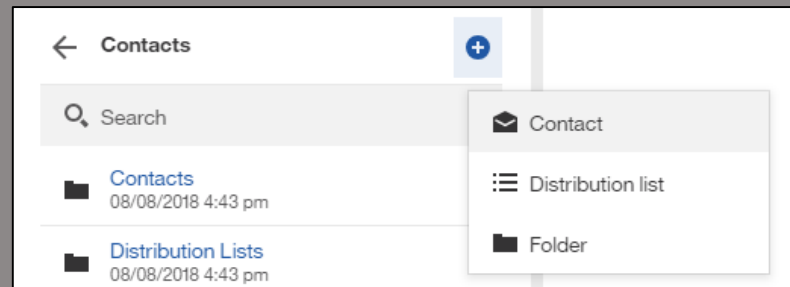
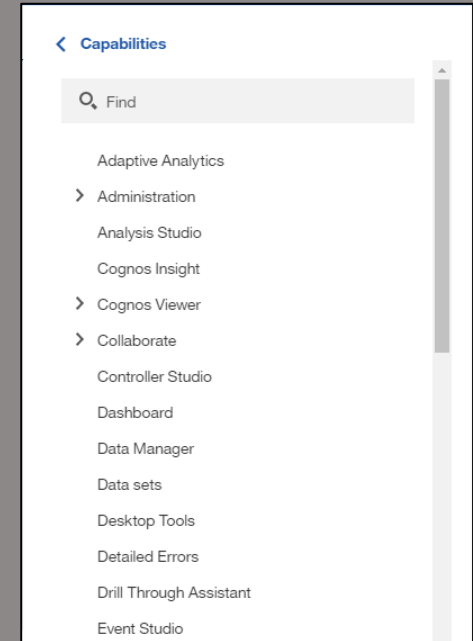
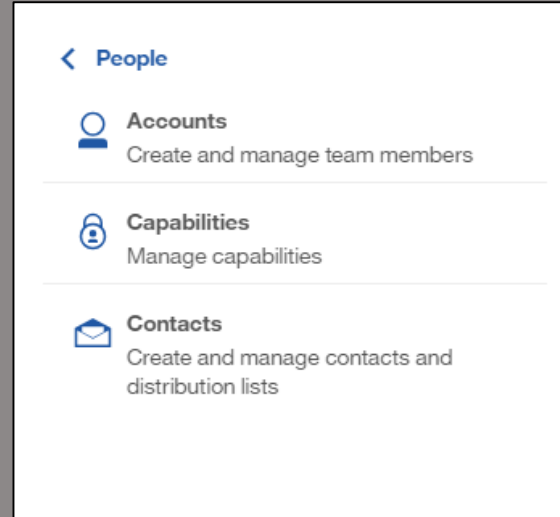


- ▶ Run once
- ⚙ Properties
- 📅 Modify this schedule
- 📄 View versions
- 🚫 Disable this schedule
- ➖ Remove this schedule
- ⌵ Set priority
- 👤 Use my credentials

📅	2011 ... st_DQ	8/24/2018 8:51 PM	📅	Jeff Vaughan	Enabled	3
---	----------------	----------------------	---	--------------	---------	---

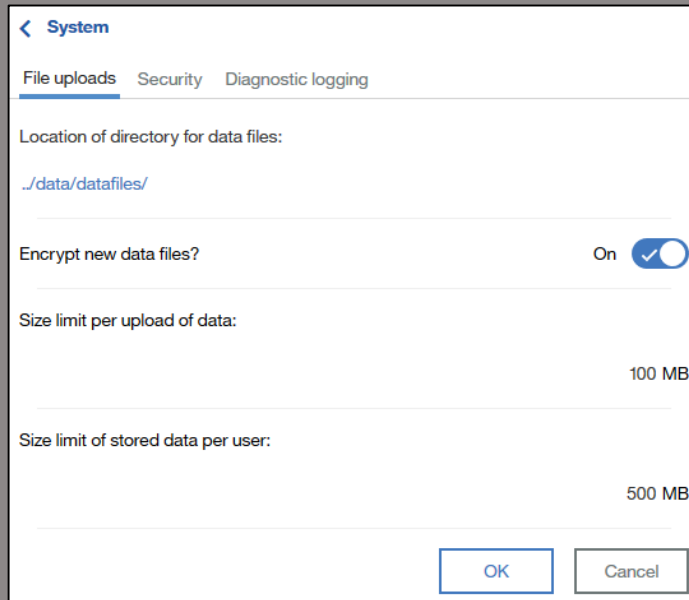
People, Capabilities and Contacts

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



System Configuration

- System Configuration Tasks
- No restarting the application



< System

File uploads Security Diagnostic logging

Location of directory for data files:

../data/datafiles/

Encrypt new data files? On ☒

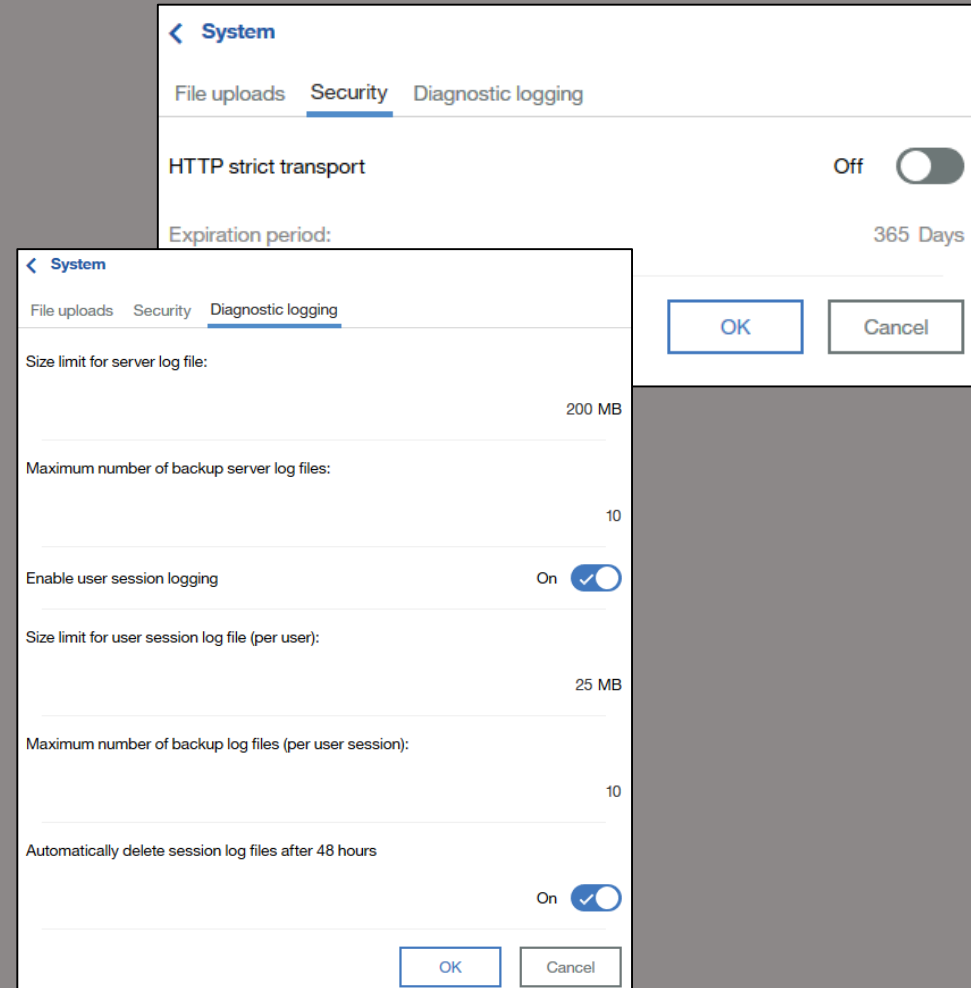
Size limit per upload of data:

100 MB

Size limit of stored data per user:

500 MB

OK Cancel



< System

File uploads Security Diagnostic logging

HTTP strict transport Off ☐

Expiration period: 365 Days

OK Cancel

< System

File uploads Security Diagnostic logging

Size limit for server log file:

200 MB

Maximum number of backup server log files:

10

Enable user session logging On ☒

Size limit for user session log file (per user):

25 MB

Maximum number of backup log files (per user session):

10

Automatically delete session log files after 48 hours On ☒

OK Cancel

System Configuration

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



Logging

Size limit for server log file (MB)	200	^ v
Maximum number of backup server log files	10	^ v
Enable user session logging	<input checked="" type="checkbox"/>	
Size limit for user session log file (MB)	25	^ v
Maximum number of backup log files (per user session)	10	^ v
Delete session log files after 48 hours	<input checked="" type="checkbox"/>	

< System

Search

- > Appearance
- > Security
- > Data
- > Logging
- > Advanced Settings

Advanced Settings

Permissions filter: read,write,execute,tra

Custom settings are meant for advanced users only. Please consult IBM documentation and follow IBM Support's instructions before modifying settings here.

Custom settings

Key	Value

Security

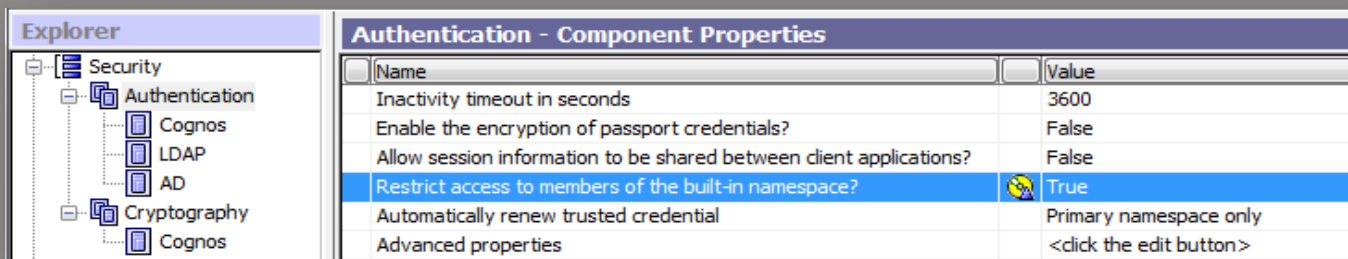
Restricting Access to IBM Cognos Business Intelligence

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



The screenshot displays the IBM Cognos Administration console. On the left, the 'Explorer' pane shows a tree structure with 'Security' expanded, containing 'Authentication', 'Cryptography', and 'Cognos'. Under 'Authentication', 'Cognos' is selected. On the right, the 'Authentication - Component Properties' dialog box is open. It contains a table with two columns: 'Name' and 'Value'. The table lists several properties, with 'Restrict access to members of the built-in namespace?' highlighted in blue and set to 'True'.

Name	Value
Inactivity timeout in seconds	3600
Enable the encryption of passport credentials?	False
Allow session information to be shared between client applications?	False
Restrict access to members of the built-in namespace?	True
Automatically renew trusted credential	Primary namespace only
Advanced properties	<click the edit button>

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

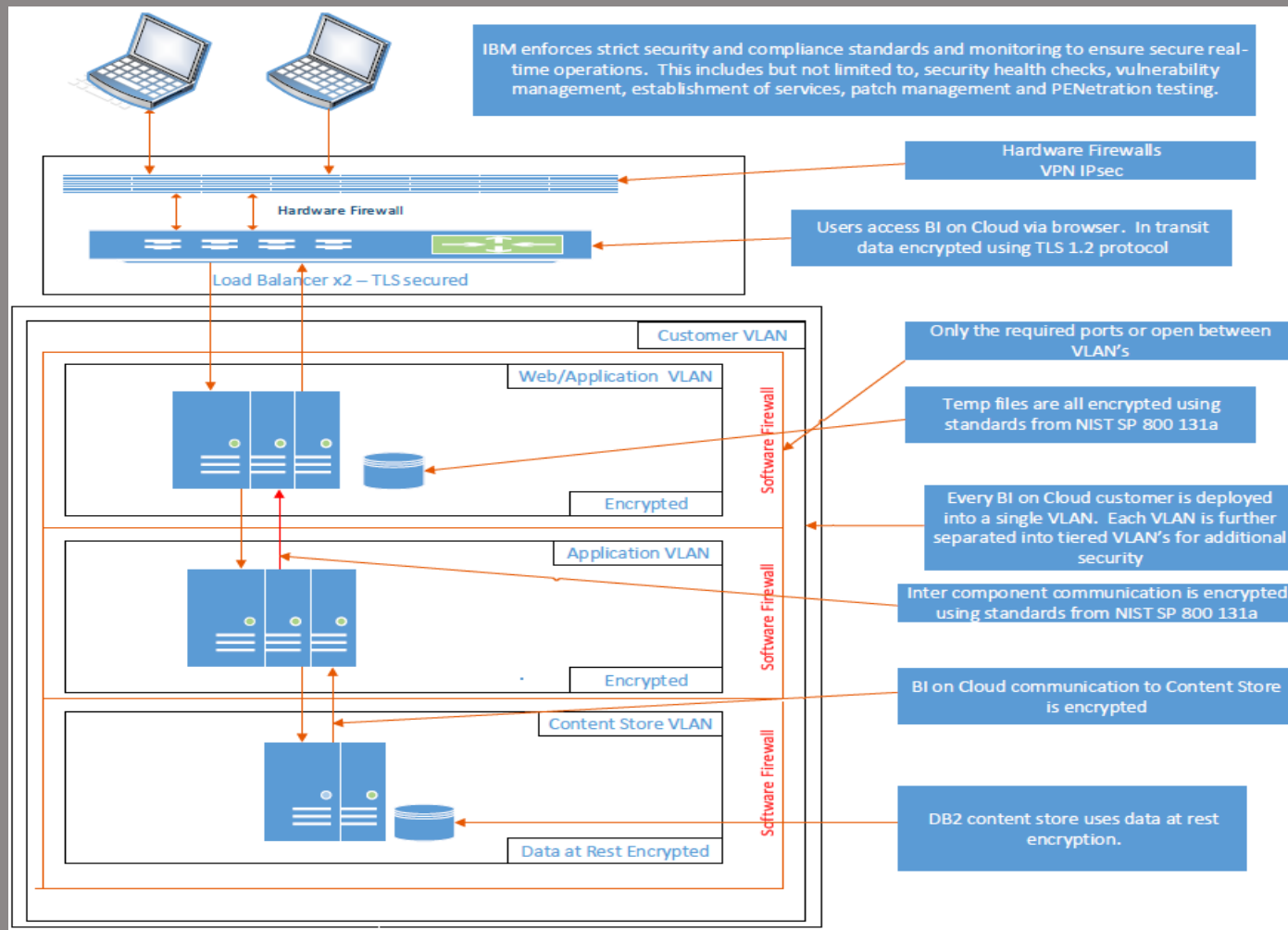
- Ensures a consistent baseline that won't violate license assignments
- Licensed user capabilities managed through the Administration Console
- Allows 'content administrators' to manage their own capabilities to reduce the burden on system administrators

The screenshot displays the IBM Cognos Analytics user interface. On the left, a navigation pane includes links for Home, Search, My content, Team content, and Recent. The main content area shows a breadcrumb trail: < Samples_Audit > Audit, with a sub-item 'Audit' dated 11/28/2018 12:35 PM. To the right, a 'Set properties' dialog box is open, specifically for 'Capabilities'. This dialog contains instructions on how to specify capabilities for an entry, with an option to override parent capabilities. Below this, a table lists available capabilities, with 'Everyone' selected. At the bottom of the dialog, there is an 'Option' section with a checkbox to 'Delete the capabilities of all child entries'. In the background, the 'Audit' entry's details are visible, including the owner 'Greg McDonald', creation/modification dates, and type 'Package'. The 'Capabilities' tab is active, showing a 'Set...' button.

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





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



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

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/>

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)

[<](#) Licenses


Environment type


☐ Production
☒ Non-production

Global license usage

Used licenses represent the number of users that have accessed the product. You can set the number of owned licenses and view the license usage by user.

Licenses	Used	Owned	
Analytics Administrator	2	0	>
Analytics Explorer	13	0	>
Analytics User	10	0	>
Information Distribution	9	0	>
Total (global licenses)	34	0	

 Export

 Refresh


Last refresh
Sep 5, 2018 4:51 PM

ApplyCancel

Multi Tenancy

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

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

Multitenancy

World

com

example

Company Servers

Groups

People

abarnes

abergin

achassin

ahall

ahel

ahunter

ajensen

aknutson

alangdon

alutz

ashelton

awalker

awhite

aworrell

bfrancis

bfree

bhal2

bhall

bjablons

bjense2

bjensen

bmaddox

bparker

bplante

brentz

brigden

bschneid

btalbo2

btalbot

bwalker

calexand

charvey

cnewport

JXplorer

Main

Address

Other

inetOrgPerson

Photo: Image N/A

Common Name: Alan White

Given Name: Alan

Surname: White

Initials:

Title:

Email Address: awhite@example.com

Description:

User Password:

Locality Name: Sunnyvale

Telephone Number: +1 408 555 3232

Facsimile Number:

Home Phone Number:

Mobile Phone Number:

Pager:

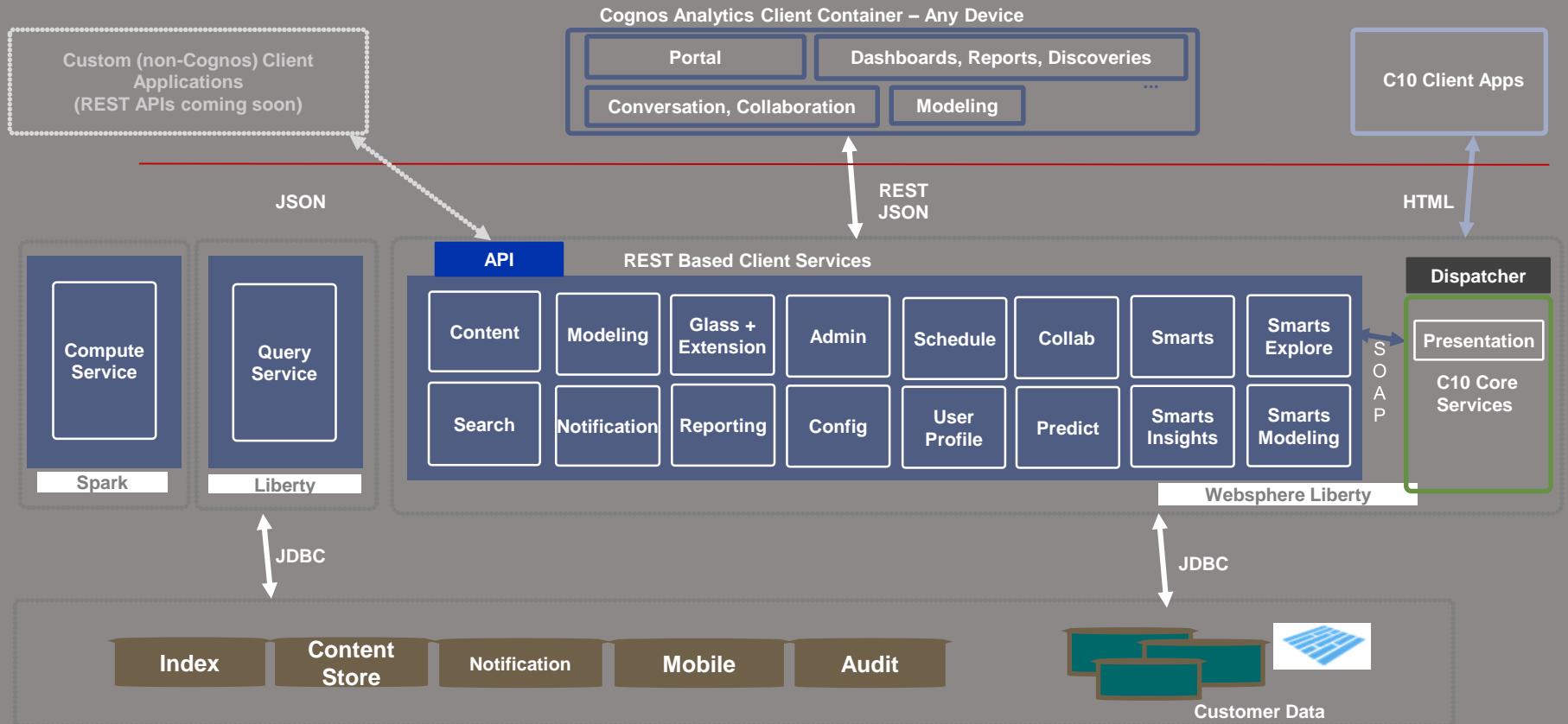
URL:

Submit

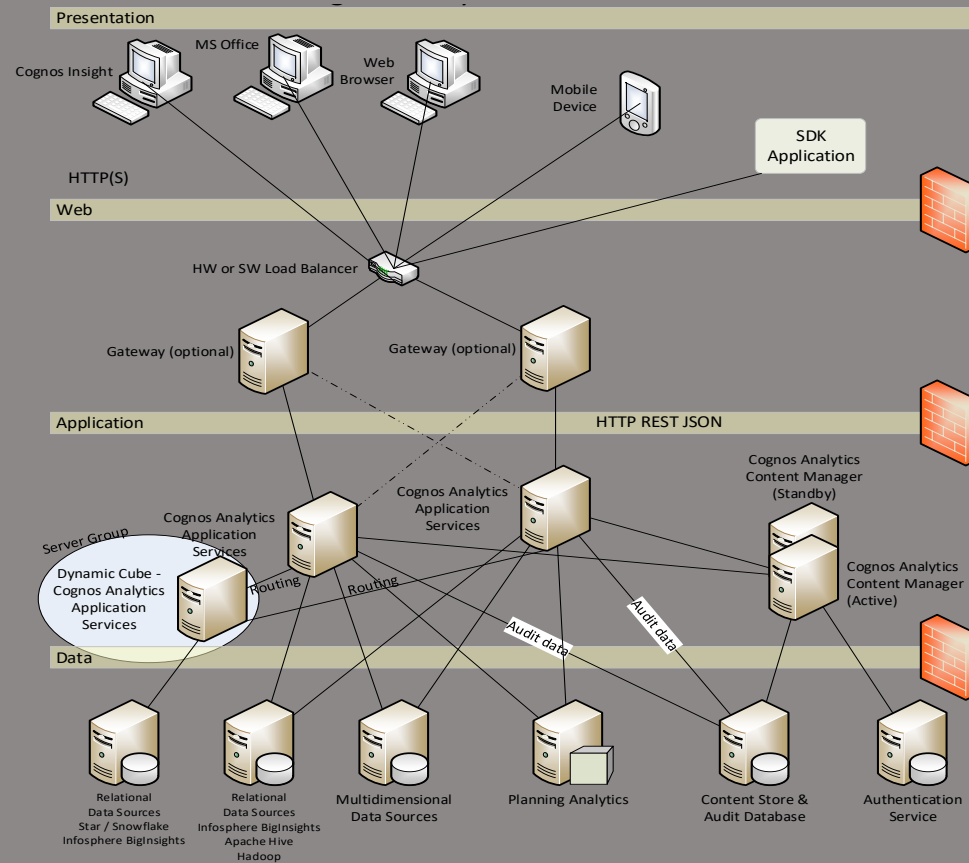
Reset

Architecture

Cognos Analytics Client / Services Architecture



Cognos Analytics 11.0/11.1 Deployment Topology



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

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



Client Company Name	<input type="text"/>		
Project Name	<input type="text"/>		
Client Representative Name	<input type="text"/>	E-mail	<input type="text"/>
IBM Representative Name	<input type="text"/>	E-mail	<input type="text"/>
Date of Completion	<input type="text"/>	Sales Connect Opp. ID	<input type="text"/>

Upgrading

Face the Truth !

Performing an upgrade will require some effort



Upgrades requires **Planning**,
Preparation and **Validation**

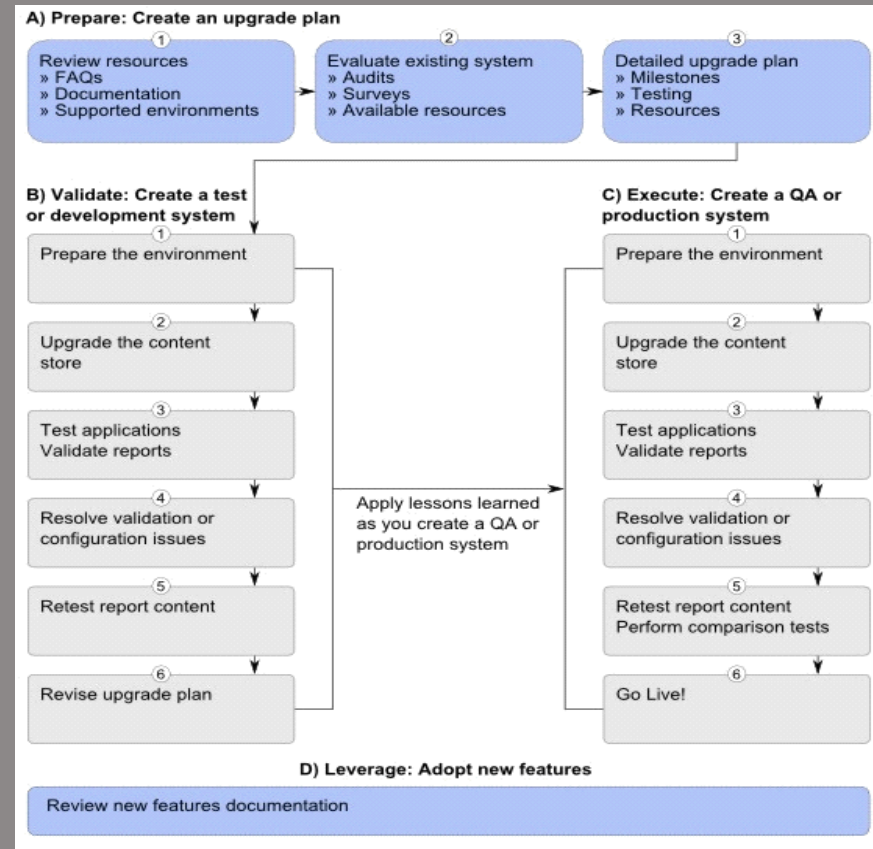


Upgrades can be done in a
timely and efficient manner

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.

You've visited this page many times. Last visit: 07/02/17

Comparing reports with Lifecycle Manager

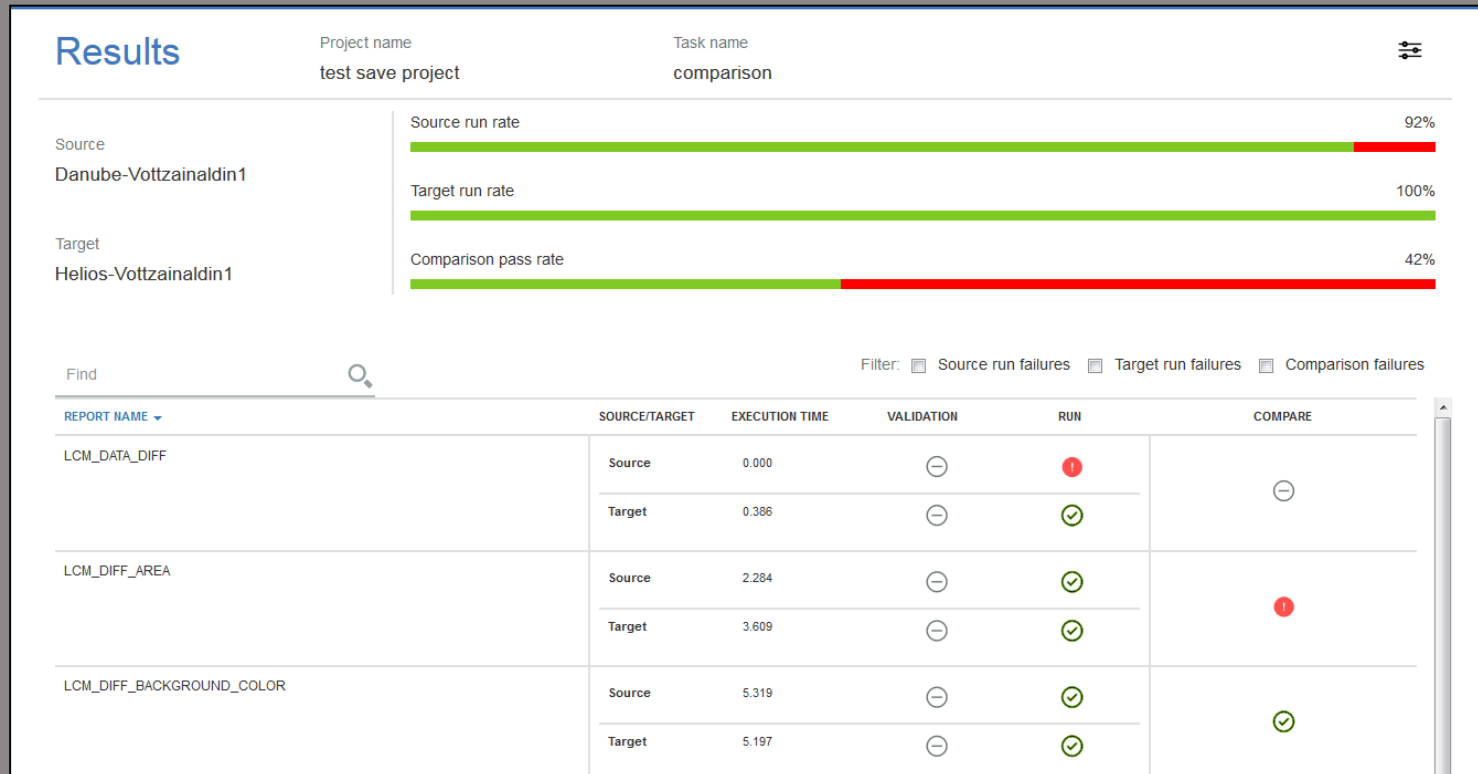
Tasks

- 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

Comparing reports with Lifecycle Manager



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Upgrade Assistance - Options

- Quick Start
 - Installation and configuration of development environment plus full documentation
- Full Upgrade Implementation
 - Full-service implementation across all appropriate environments
- BI Concierge
 - Access to an entire team of BI experts to fill in as needed

Contact us at: info@senturus.com or 888 601 6010 ext. 85

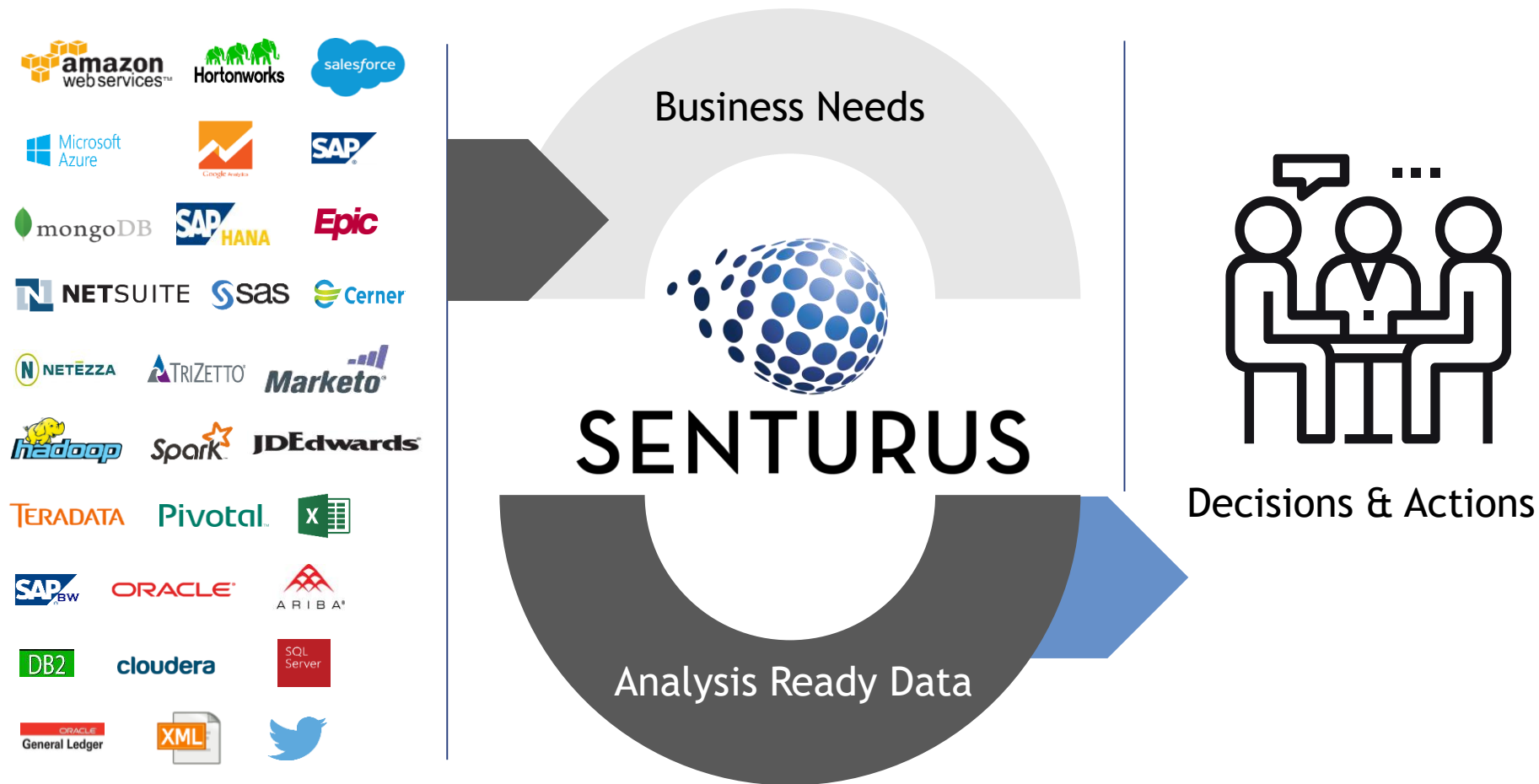


SENTURUS

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Business Analytics Consultants

Bridging the Gap between Data & Decision Making



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

1200+ Clients, 2000+ Projects, 18+ Years





SENTURUS

ADDITIONAL RESOURCES

Upcoming Events

www.senturus.com/events



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

Free Resources

www.senturus.com/senturus-resources/



UPCOMING EVENTS



RESOURCE LIBRARY



BLOG

Training Options

<https://senturus.com/training/>



REGULARLY SCHEDULED COURSES

We hold more than a dozen live, hands-on, interactive courses in our virtual classroom each month. Course topics cover the breadth of the skillset for Cognos Analytics and Tableau.



LARGE GROUP AND PRIVATE INSTRUCTION

We offer many ways for your organization to access private Cognos, Tableau and Power BI training including onsite or online group courses and individual/small group mentoring.



SELF-PACED LEARNING

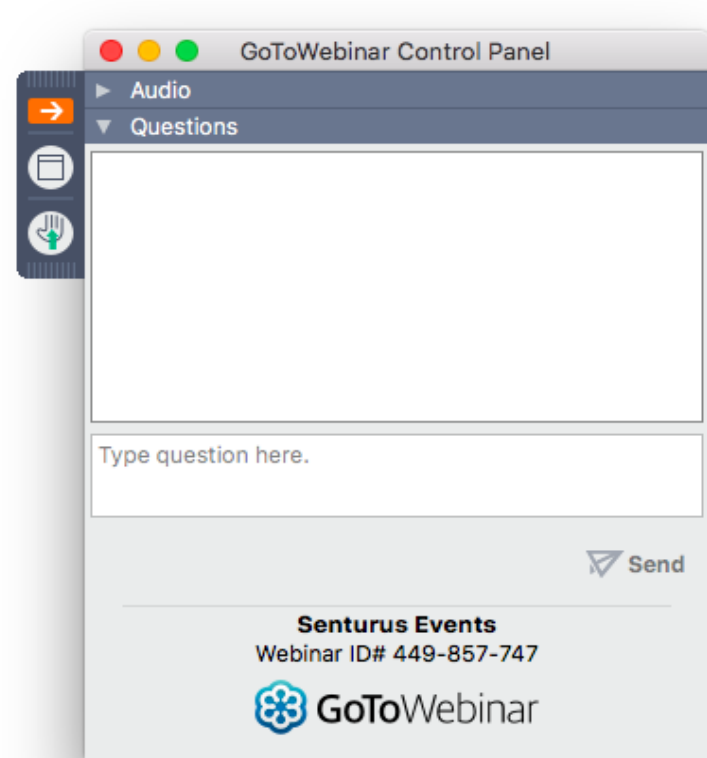
Highly cost effective approach to learning fundamental concepts and light technical skills with courses designed to address real-life applications.

Q&A

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

info@senturus.com

and we will set up a free consultation.



Thank You!

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