



**SENTURUS**

# **Tips for Installing Cognos Analytics 11.2.1**

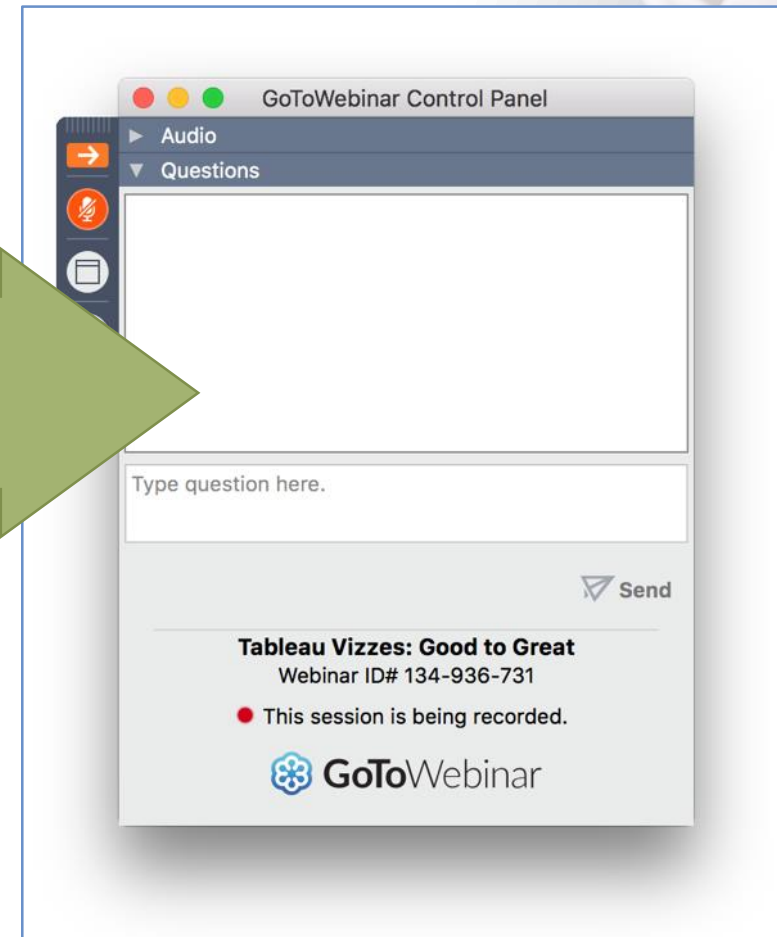


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**Webinar**  
**Streamline Cognos Migrations and Consolidations**  
Automatically decode Cognos content and reduce migration time by 90%

# Agenda

- Introductions
- Cognos 11.2 overview
- A smarter installer
- Hardware requirements
- Preserving custom files
- Upgrade strategy
- Patching
- Senturus overview and additional resources
- Q&A



# Introductions



**Todd Schuman**

Practice Lead  
Installations, Upgrades and Optimization  
Senturus, Inc.



**Steve Reed Pittman**

Director  
Enterprise Architecture and Engineering  
Senturus, Inc.

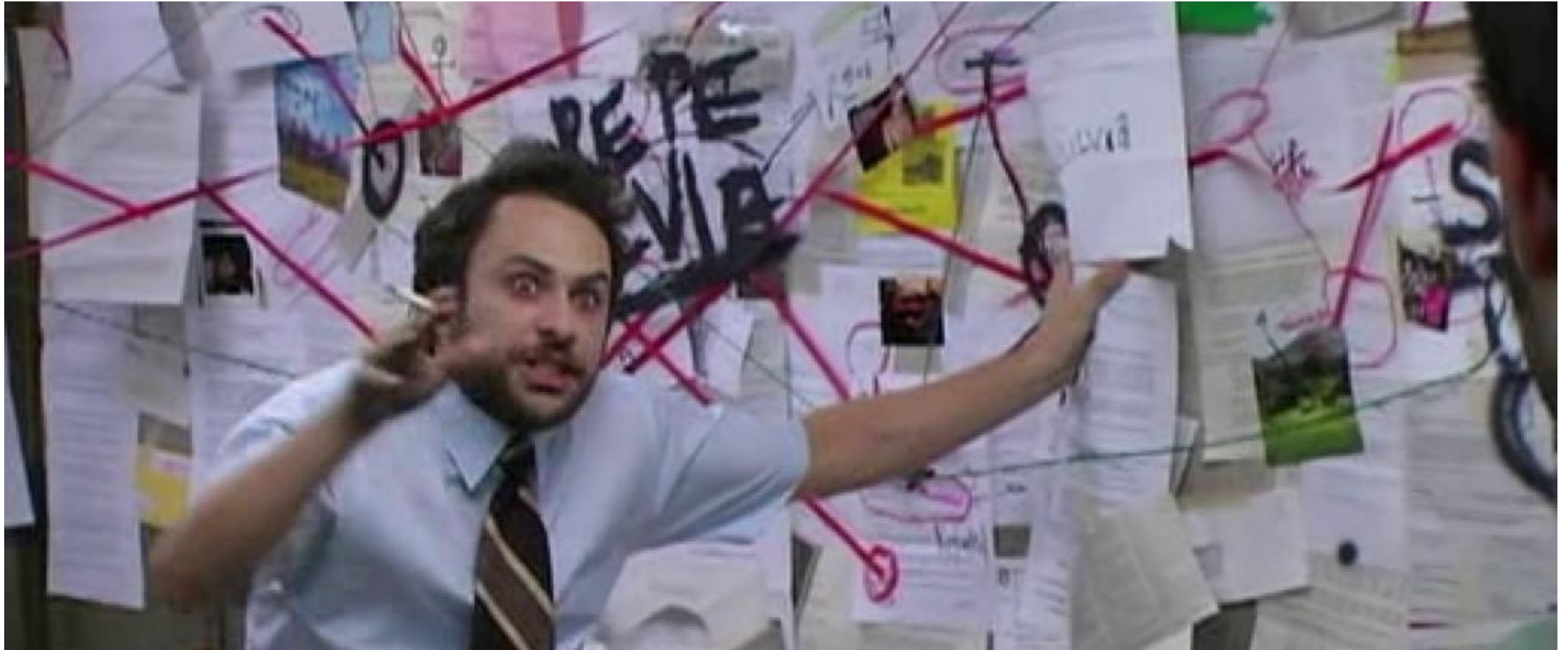
# Poll

What version of Cognos are you using?

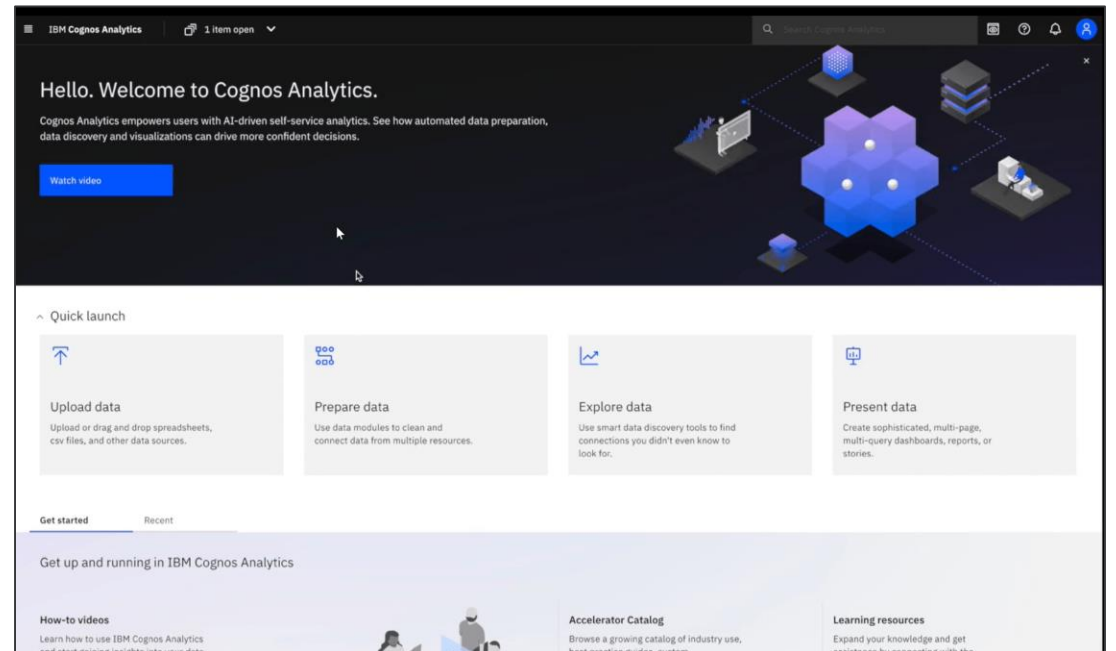
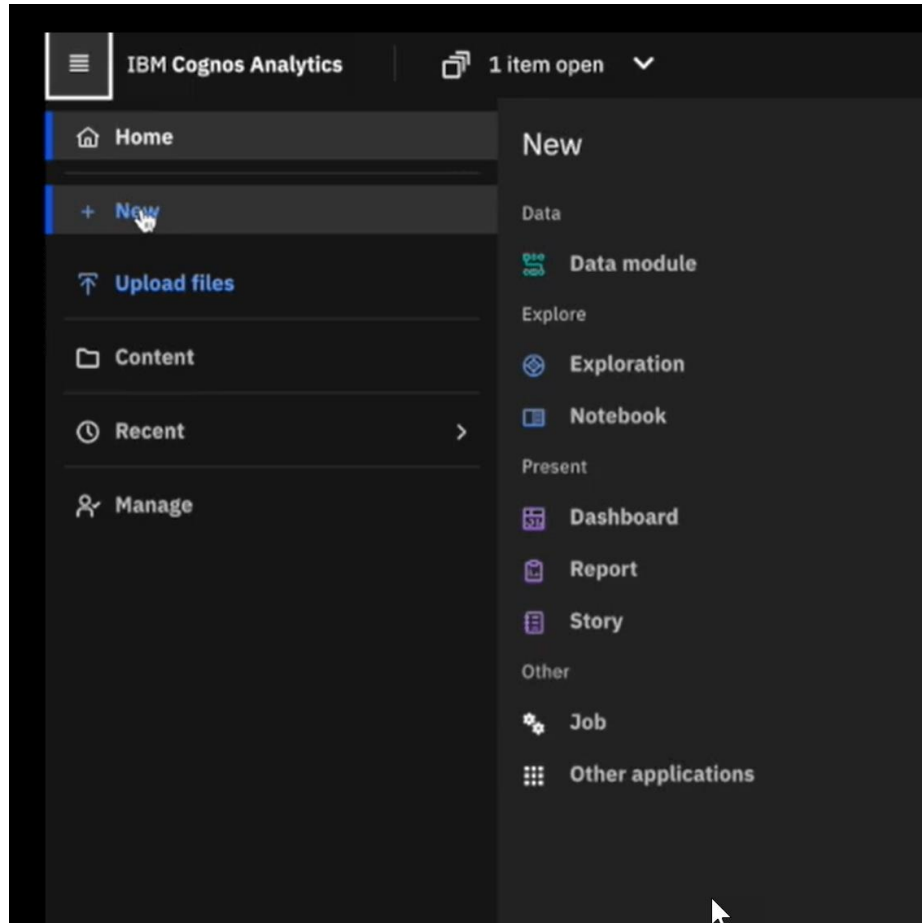
- Before Cognos 10
- Cognos 10
- Cognos 11.0.x
- Cognos 11.1.x
- Cognos 11.2.x

<input checked="" type="checkbox"/>	—
<input type="checkbox"/>	—
<input type="checkbox"/>	—

# Cognos 11.2.1 overview





# New UI – menu and homepage



# Navigating content

Content

Upload data  [New](#) 

[My content](#) [Team content](#) [Samples](#) [My portal pages](#)

<input type="checkbox"/>	Name	Type	Tenant	Last Accessed
<input type="checkbox"/>	Analytics Connector	Folder		
<input type="checkbox"/>	Calendars	Folder		
<input type="checkbox"/>	Client Demo	Folder		
<input type="checkbox"/>	Clients	Folder		
<input type="checkbox"/>	DataSet Libraries	Folder		
<input type="checkbox"/>	Demo	Folder		
<input type="checkbox"/>	Demos	Folder		
<input type="checkbox"/>		Folder		7/18/2019, 1:37 PM
<input type="checkbox"/>		Folder		11/20/2019, 6:33 PM
<input type="checkbox"/>	Get started	Folder		11/28/2018, 11:04 AM
<input type="checkbox"/>	Migration	Folder		6/24/2020, 2:17 AM
<input type="checkbox"/>	My Folder	Folder		3/29/2019, 4:03 PM
<input type="checkbox"/>	Report Insights	Folder		10/22/2020, 7:37 PM
<input type="checkbox"/>	Report Security	Folder		6/10/2019, 2:10 PM
<input type="checkbox"/>	Report View	Folder		6/10/2019, 2:11 PM
<input type="checkbox"/>	Reports	Folder		9/13/2019, 3:43 PM
<input type="checkbox"/>	Samples	Folder		3/2/2022, 4:44 PM
<input type="checkbox"/>	Samples_Audit	Folder		10/7/2020, 2:11 PM
<input type="checkbox"/>	Senturus	Folder		7/19/2019, 2:42 PM
<input type="checkbox"/>		Folder		12/6/2019, 8:57 AM
<input type="checkbox"/>	Templates	Folder		11/27/2017, 2:41 PM
<input type="checkbox"/>	The Weather Company, an IBM Business	Folder		11/11/2019, 12:04 PM
<input type="checkbox"/>	Cognos Audit Extension	Package		10/1/2018, 4:18 PM

Row size

☒ Compact

☐ Short

☐ Default

# Major changes in 11.2

My blog post

[Cognos 11.2.0: Our Favorite New Features & What's Missing | Senturus](#)

IBM's Rachel Su's on-demand webinar

[What's New in Cognos Analytics 11.2.1 | Senturus](#)

# A smarter installer



# Installation – minor changes

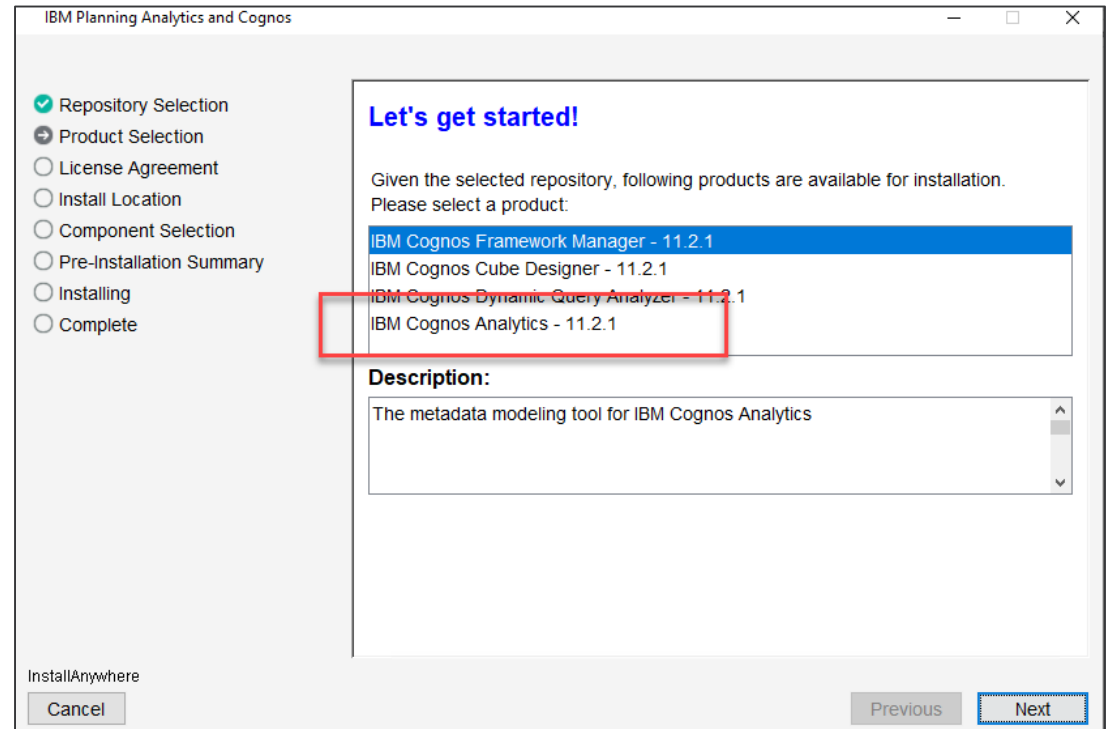
Multiple files required

- Installer
- Server ZIP
- Client tool ZIP

Name	Date modified	Type	Size
<input checked="" type="checkbox"/> analytics-installer-3.3.18-win.exe	12/22/2021 8:39 PM	Application	132,695 KB
AzureAD Cert.cer	12/28/2021 4:27 PM	Security Certificate	3 KB
caclient-11.2.1-2112172008.zip	12/22/2021 8:56 PM	Compressed (zipped)...	1,637,756 KB
casrv-11.2.1-2112172008-winx64h.zip	12/22/2021 9:44 PM	Compressed (zipped)...	6,459,199 KB

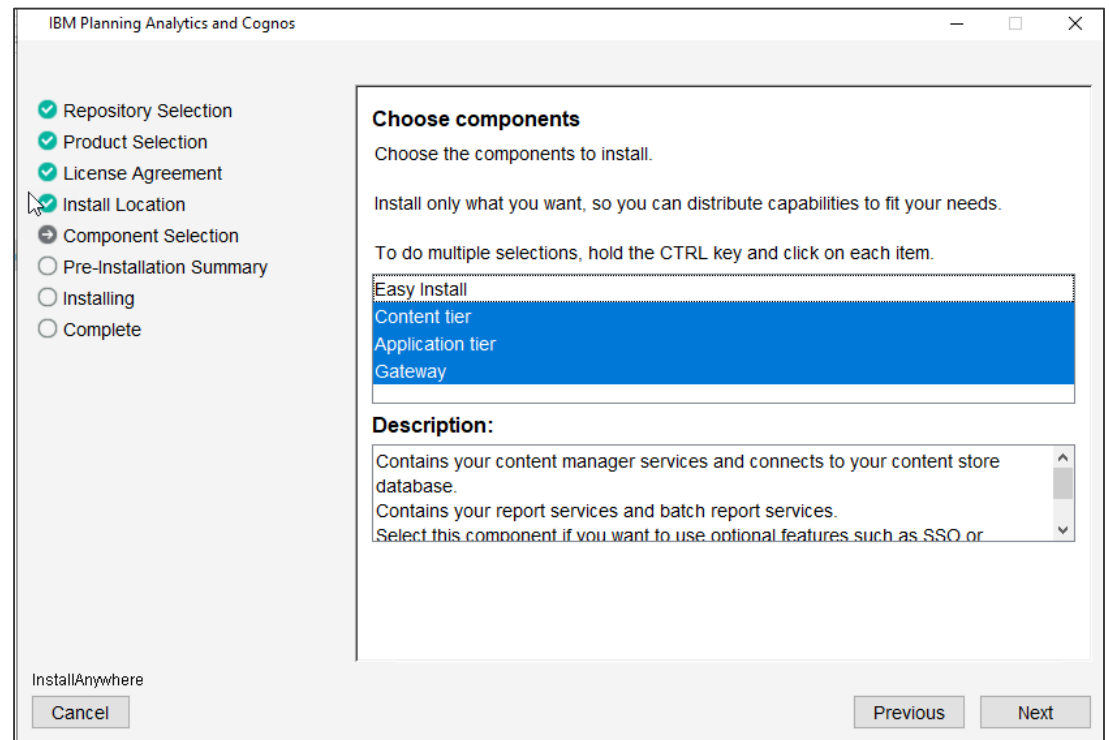
Standalone installer

- Cognos 11.1 – browse to ZIP file
- Cognos 11.2 – installer scans directory and presents all ZIP options



# Same Cognos components

- Content tier – content manager (brain of Cognos)
- Application tier – dispatcher (runs reports)
- Gateway – web server (SSL, alias, SSO, images)



# IIS/Apache

- IIS
- [install dir]\cgi-bin\templates\iis

Name	Date modified	Type	Size
CA_IIS_Config	3/8/2022 1:22 AM	Windows Batch File	22 KB
IIS Script doc	3/8/2022 12:00 AM	Office Open XML ...	22 KB

- Apache
- [install dir]\cgi-bin\templates

Name	Date modified	Type	Size
IIS	3/8/2022 12:00 AM	File folder	
cognos_apache22_loadbalance.conf	3/8/2022 12:00 AM	CONF File	4 KB
cognos_apache22_loadbalance_SSO.conf	3/8/2022 12:00 AM	CONF File	5 KB
cognos_apache24_loadbalance.conf	3/8/2022 12:00 AM	CONF File	4 KB
cognos_apache24_loadbalance_SSO.conf	3/8/2022 12:00 AM	CONF File	6 KB
cognos_IHS9.conf	3/8/2022 12:00 AM	CONF File	3 KB
cognos_IHS9_SSO.conf	3/8/2022 12:00 AM	CONF File	4 KB
cognos_IHS85_loadbalance.conf	3/8/2022 12:00 AM	CONF File	4 KB
cognos_IHS85_loadbalance_SSO.conf	3/8/2022 12:00 AM	CONF File	5 KB

# Hardware/software requirements



# Hardware – IBM minimum recommendations

- [Verify system requirements - IBM documentation](#)
- Processing: minimum: 4 CPU cores for one user
- Memory: minimum 10 GB
- Disk space (software): minimum of 7 GB
- Disk space (temp): minimum 5 GB

# Hardware – Senturus recommendations

- Processing: 4 CPU cores
- Memory: 32 GB
- Disk space (software): 20 GB
- Disk space (temp): 100 GB

*Mileage may vary based on user load, report complexity and database performance*

# Content store database

## SQL Server

- Azure SQL database
- 2012-2019

## Oracle

- 11gR2, 12cR(1&2), 18c, 19c

## DB2

- 10.5, 11.1, 11.5

## Informix

- 12.1, 14.1

When people say they have an  
“Excel database.”

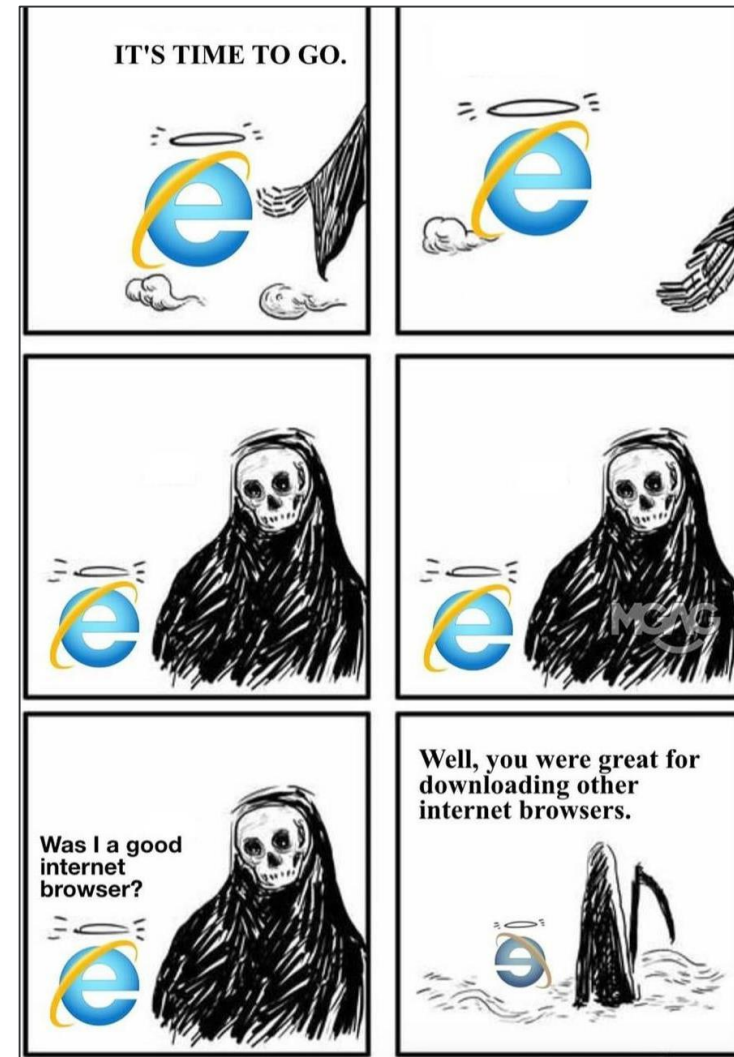


# Browsers

- Chrome
- Edge (Chromium)
- Firefox ESR
- Safari

Goodbye Internet Explorer

*Query/Analysis Studio will need Firefox to work*



# Preserving custom files

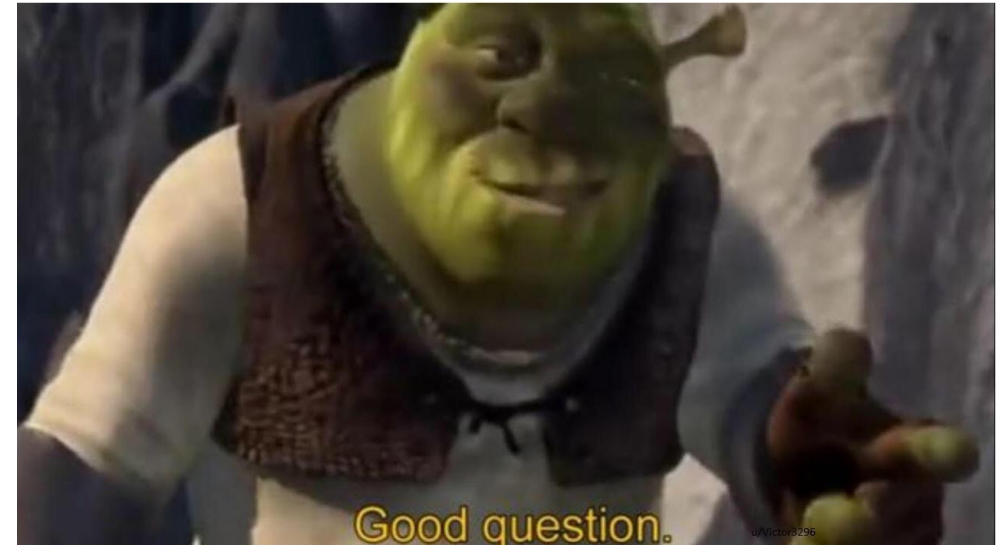
# Preserve custom files and folders

- New releases overwrite most folders
  - See exceptions: [Preserved files and folders when upgrading Cognos Analytics - IBM Documentation](#)
- Always backup before (in case)
- [Install Dir]\Analytics\Configuration\Preserve
  - Preserve.txt
- # Specify files or folders to preserve
  - [folder name]
  - [folder name]\image.jpg
- Preserve
  - Images/logos
  - JS files
  - WAR files

My PC: Autosaves a file

Me: Nice, but where did the file save?

My PC:



# Upgrade strategy

# Upgrade strategy

Over the top

Fresh install – migrate content store database

Fresh install – export/import content store



# Over the top

## Pros

- Fast and simple
- Keep current config

## Cons

- No “parallel” testing
- No removal of old content
- Usually older hardware/OS
- Rollout – all users at once
- Not possible for C10 to C11 upgrades



# Fresh install – migrate content DB

## Pros

- New VM/OS/hardware
- Clean OS
- Parallel testing
- Rollout – all users or groups

## Cons

- Reconfigure all server
- Install drivers and supported software
- New content needs to be manually migrated/code freeze



# Fresh install – content export/import

## Pros

- More control over migrated content
- Allows for parallel testing
- Allows for all user or group rollout
- Can move content between DB vendors

## Cons

- Reconfigure all servers
- Slow
- Install drivers and supported software
- New content needs to be manually migrated/code freeze
- My Folders only included in “full content” export



# Fix packs and interim fixes



# Log4j

## How the Apache Log4j2 Vulnerability Affects Tableau & Cognos | Senturus

Cognos BI 10.2.x does not use Log4j v2, only Log4j v1. Therefore, it is NOT impacted by CVE-2021-44228, CVE-2021-45046, CVE-2021-45105, and CVE-2021-44832.

It's Better Than Bad, It's GOOD!



Affected Version	Fix Version	Bundled Customers
IBM Cognos Analytics 11.2.x	<a href="#">IBM Cognos Analytics 11.2.1 Interim Fix 3</a>	IBM Cognos Analytics 11.2.1 Interim Fix 3 (Bundled)
IBM Cognos Analytics 11.1.x	<a href="#">IBM Cognos Analytics 11.1.7 Interim Fix 8</a>	IBM Cognos Analytics 11.1.7 Interim Fix 8 (Bundled)
IBM Cognos Analytics 11.0.6 to 11.0.13 FP4	<a href="#">IBM Cognos Analytics 11.0.13 Interim Fix 5</a>	IBM Cognos Analytics 11.0.13 Interim Fix 5 (Bundled)

# What version am I on?

How to determine which version of Cognos Analytics you have installed (ibm.com)

- [install dir]\cmplst.txt

```
cmplst - Notepad
File Edit Format View Help
; Licensed Materials - Property of IBM Business Analytics
; (C) Copyright IBM Corp. 2004, 2022
; US Government Users Restricted Rights - Use, duplication or
; disclosure restricted by GSA ADP Schedule Contract with IBM

Operating System: Windows Server 2016
Operating System Architecture: x86
Operating System Version: 10.0
kit_version=11.1.7-2201050500
Manifest=casrv-manifest-11.1.7-2201050500-winx64h.json
Installer=analytics-installer-2.2.11-win.exe
```

Cognos Analytics 11.0.x			
Name	Release	Build Number	
Cognos Analytics 11 GA	11.0.0.0	11.0.0.15121723	
Cognos Analytics 11 R1	11.0.1.0	11.0.1.16031813	
Cognos Analytics 11 R2	11.0.2.0	11.0.2.16042816	
Cognos Analytics 11 R3	11.0.3.0	11.0.3.16062807	
Cognos Analytics 11 R4 Initial	11.0.4.0	11.0.4.16090915	
Cognos Analytics 11 R4 Refresh	11.0.4.0	11.0.4.16092813	
Cognos Analytics R5	11.0.5.0	11.0.5.16112119	
Cognos Analytics R6	11.0.6.0	11.0.6.17031315	
Cognos Analytics R7	11.0.7.0	11.0.7.17082211	
Cognos Analytics R8	11.0.8.0	11.0.8.17103116	
Cognos Analytics R9	11.0.9.0	11.0.9.17121514	
Cognos Analytics R10	11.0.10.0	11.0.10.18031213	
Cognos Analytics R11	11.0.11.0	11.0.11.18043017	
Cognos Analytics R12	11.0.12.0	11.0.12.18062512	
Cognos Analytics R13	11.0.13.0	11.0.13.18102214	
Long-Term Support release			
Cognos Analytics R13 FP1	11.0.13.1	11.0.13.19030518	
Cognos Analytics R13 FP2	11.0.13.2	11.0.13.19082916	
Cognos Analytics R13 FP3	11.0.13.3	11.0.13.19120415	
Cognos Analytics R13 FP4	11.0.13.4	11.0.13.2105262300	
Cognos Analytics R13 FP4 Interim Fix 3	11.0.13.4	11.0.13.2112131951	
Cognos Analytics R13 FP4 Interim Fix 4	11.0.13.4	11.0.13.2112171957	
Cognos Analytics R13 FP4 Interim Fix 5	11.0.13.4	11.0.13.2201052300	

Cognos Analytics 11.1.x			
Name	Release	Build Number	Installer version
Cognos Analytics 11.1 R1	11.1.1.0	11.1.1-1812041507	2.0
Cognos Analytics 11.1 R2	11.1.2.0	11.1.2-1904192000	2.0.19041413
Cognos Analytics 11.1 R3	11.1.3.0	11.1.3-1906270200	2.0.19062418
Cognos Analytics 11.1 R4 *	11.1.4.0	11.1.4-1910311709	2.0.19100310
Cognos Analytics 11.1.R5 **	11.1.5.0	11.1.5-2001031158	2.0.19120513
Cognos Analytics 11.1.R6	11.1.6.0	11.1.6-2004200846	2.0.20031912
Cognos Analytics 11.1.R7	11.1.7.0	11.1.7-2007242019	2.0.20061812
Long-Term Support release			
Cognos Analytics 11.1.R7 FP1	11.1.7.1	11.1.7-2010071735	2.0.20100517
Cognos Analytics 11.1.R7 FP2	11.1.7.2	11.1.7-2012081900	2.0.20100517
Cognos Analytics 11.1.R7 FP3	11.1.7.3	11.1.7-2106251648	2.2.2
Cognos Analytics 11.1.R7 FP4	11.1.7.4	11.1.7-2111101256	2.2.11
Cognos Analytics 11.1.R7 Interim Fix 6	11.1.7.4	11.1.7-2112131555	2.2.11
Cognos Analytics 11.1.R7 Interim Fix 7	11.1.7.4	11.1.7-2112191704	2.2.11
Cognos Analytics 11.1.R7 Interim Fix 8	11.1.7.4	11.1.7-2201050500	2.2.11

# New versions?

11.2.2 – Soon, should be by end of month/Q1

11.2.3 – Shortly after (Q2/2022), major conversion of Cognos Admin console to new Cognos “glass” UI

11.2.X – Long term support (LTS) – Q4/2022

# Get help with your upgrade



**Mentoring**



**Quick start**



**Full implementation**

[Learn more](#)

# Additional resources

## Unbiased product reviews



## Technical tips



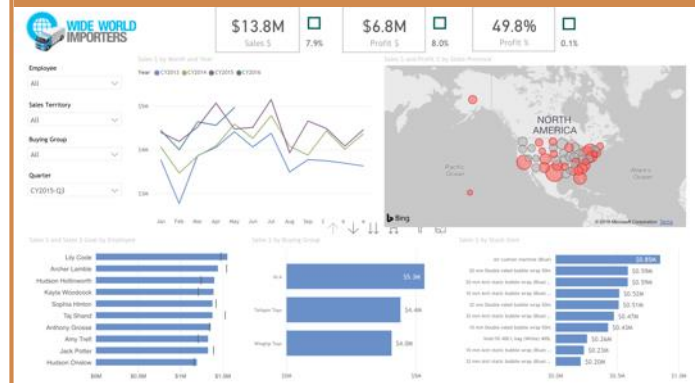
## Insider viewpoints



## More on this subject



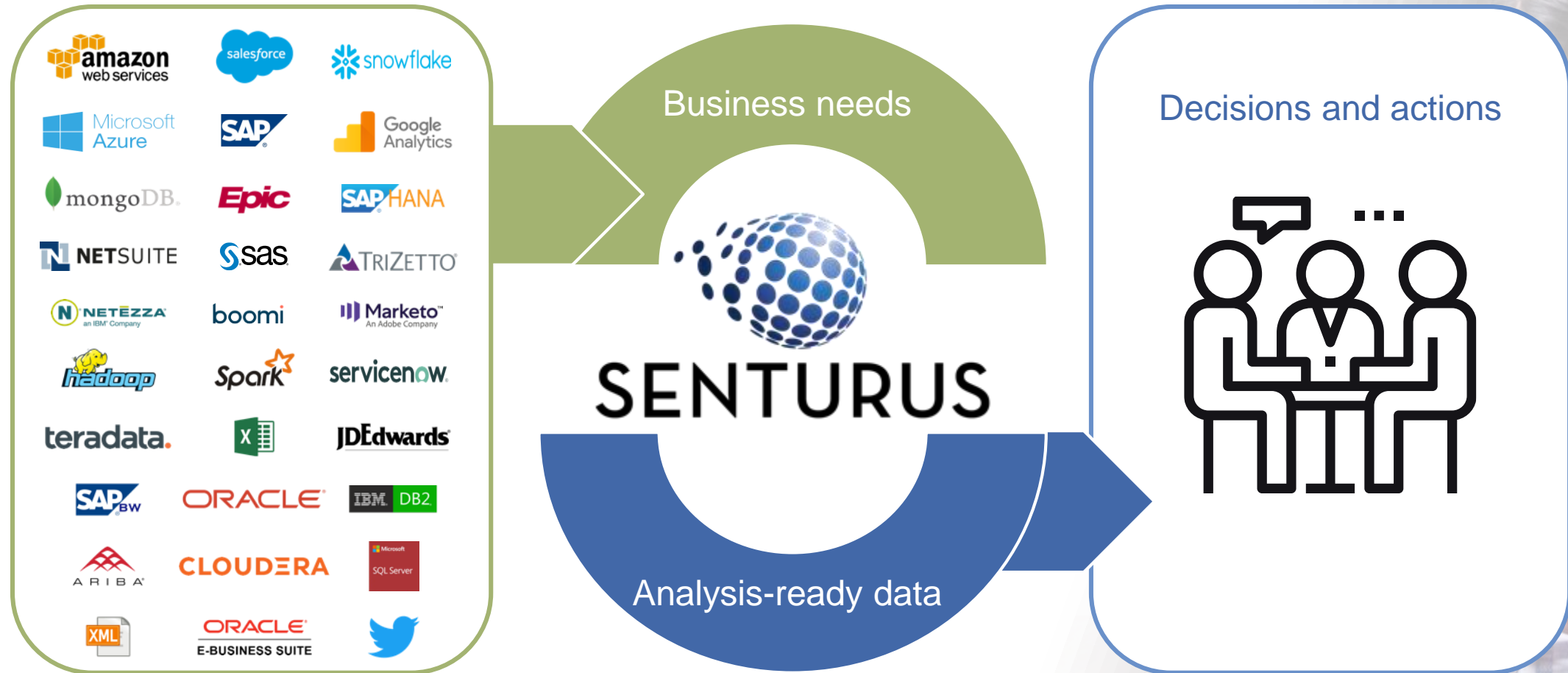
## Product demos



## Upcoming events



# Modern BI: accelerated & accessible



# A long, strong history of success

21+ years

1350+ clients

3000+ projects





# Join the Senturus team

We're hiring talented and experienced professionals

- Java Developer
- Senior Azure Architect
- Senior Cognos BI Architect/Project Manager
- And more

See job descriptions: <https://Senturus.com/why-Senturus/careers/>

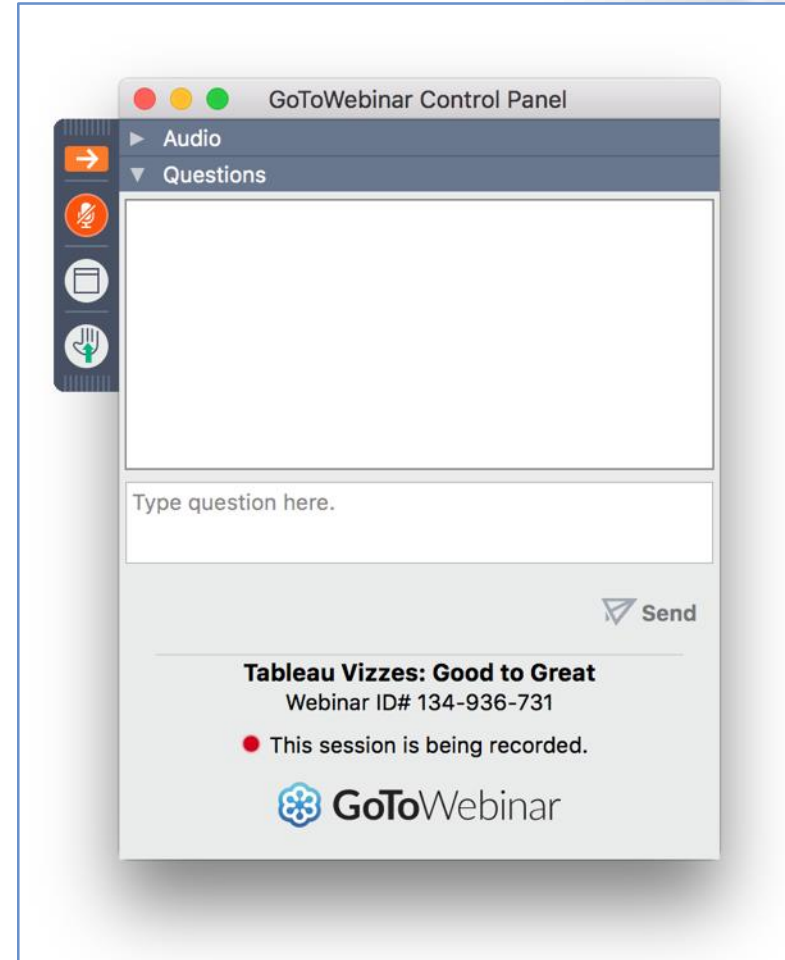
Send your resume to: [jobs@Senturus.com](mailto:jobs@Senturus.com)

# Q & A

If your question or issue is broader than what we are able to answer today, contact us at:

[info@senturus.com](mailto:info@senturus.com)

and we will set up a free consultation.



# Thank You



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