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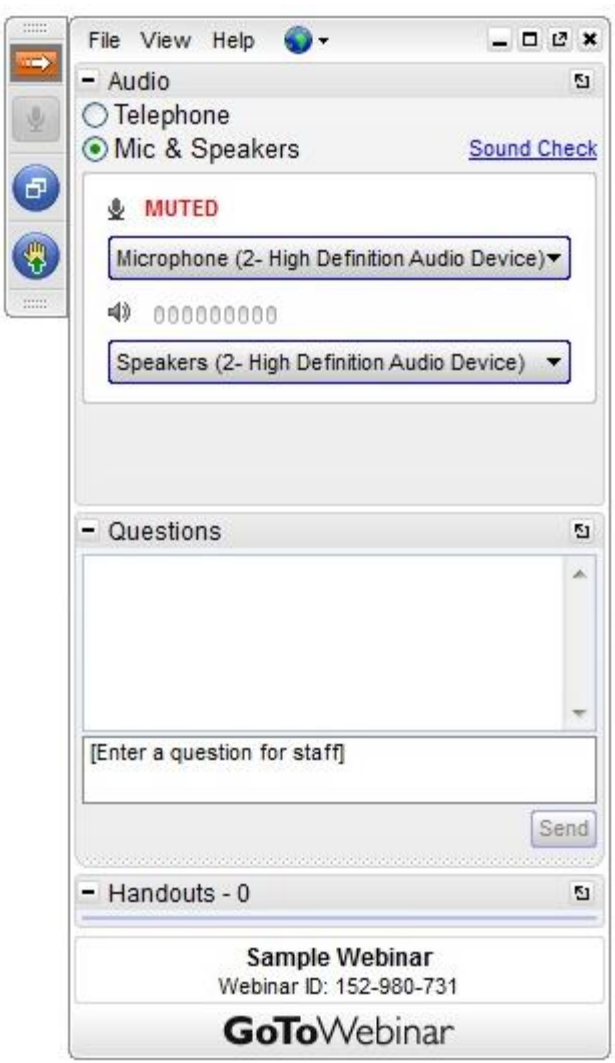
Aero Precision Creates Tableau Vizzes Against Live Cognos Data

Using the Senturus Analytics Connector

GoToWebinar Control Panel



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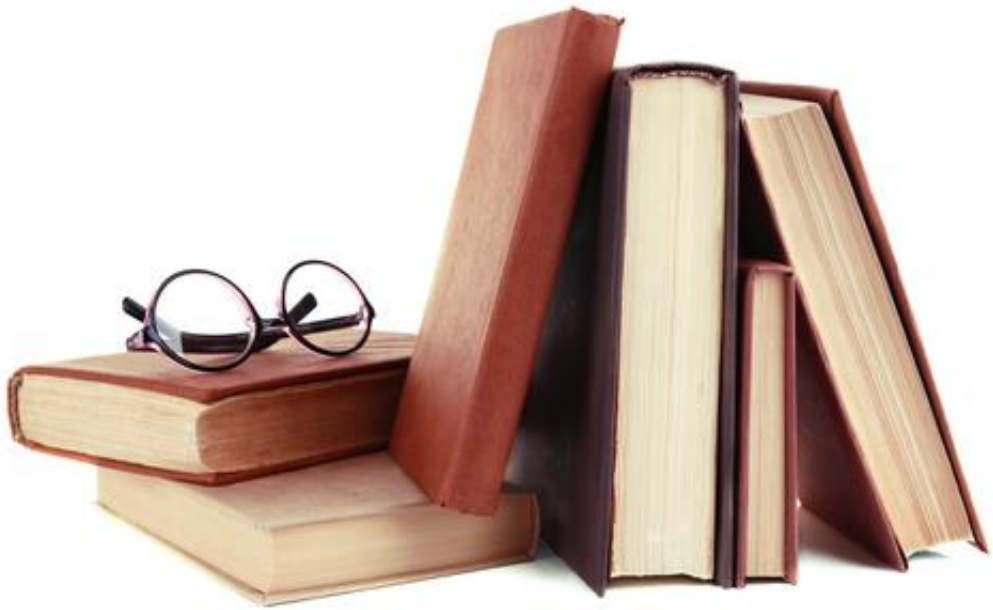

RESOURCE LIBRARY

An extensive, free library of past webinars, demonstrations, whitepapers, presentations, helpful hints, and more.

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Today's Agenda

- Introduction
- Overview of Senturus Analytics Connector
- Senturus @ Aero Precision
- Demonstration
- FAQs
- Senturus Overview
- Additional Resources
- Q/A

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Introducing…Today's Presenters

Michael Weinhauer

Practice Area Director/Solutions Architect

Senturus, Inc.

Dave Clausen

BI Architect

Aero Precision Industries

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Poll

How are you currently connecting Tableau to your data? (select all that apply)

- Connect directly to source
- Export Excel or flat file & connect to Tableau
- Connect to data warehouse
- Tableau ODBC connector
- Other

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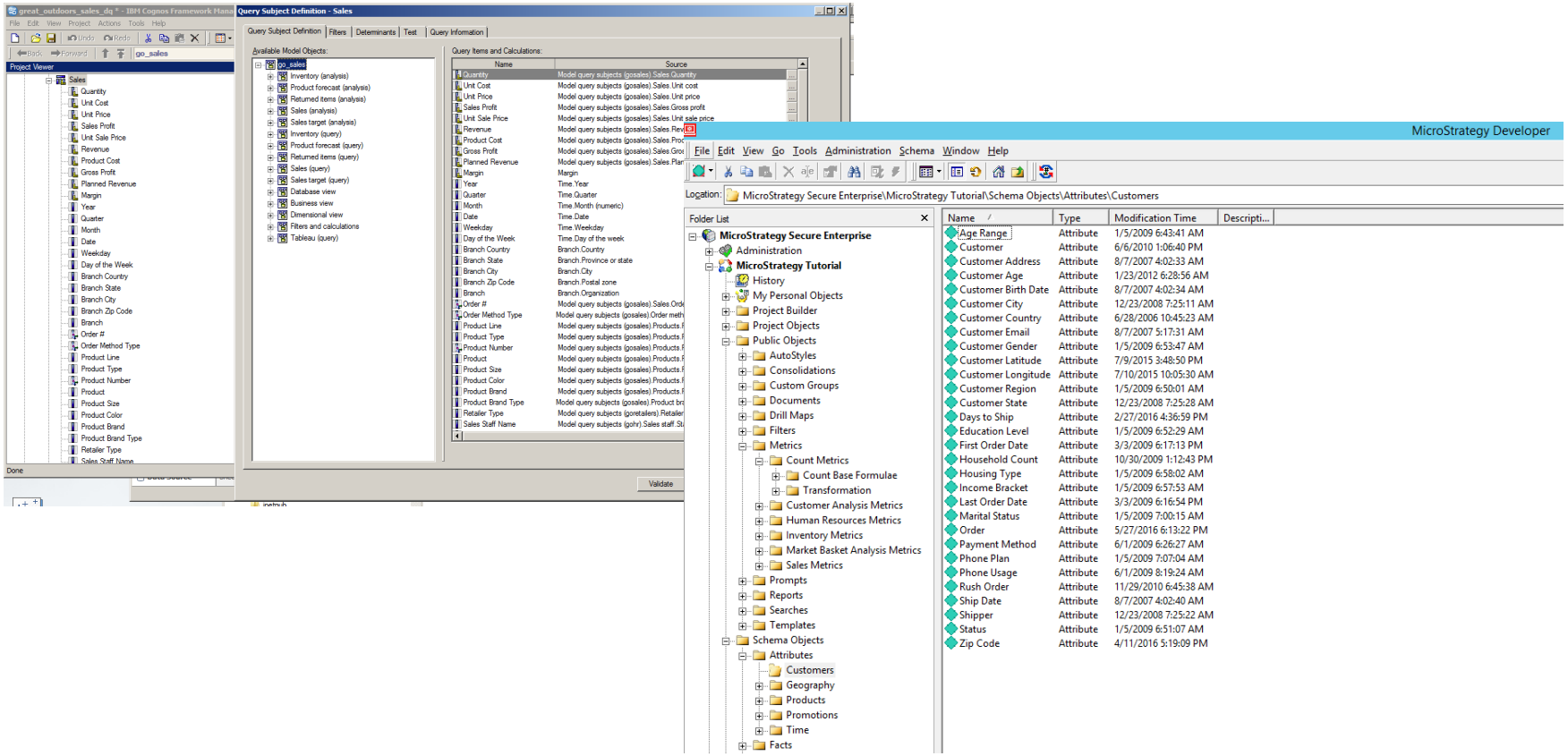
OVERVIEW OF ANALYTICS CONNECTOR

Huge Value in Existing BI Models

Organizations have invested heavily in existing models that provide governed, secure, business-friendly, performant results



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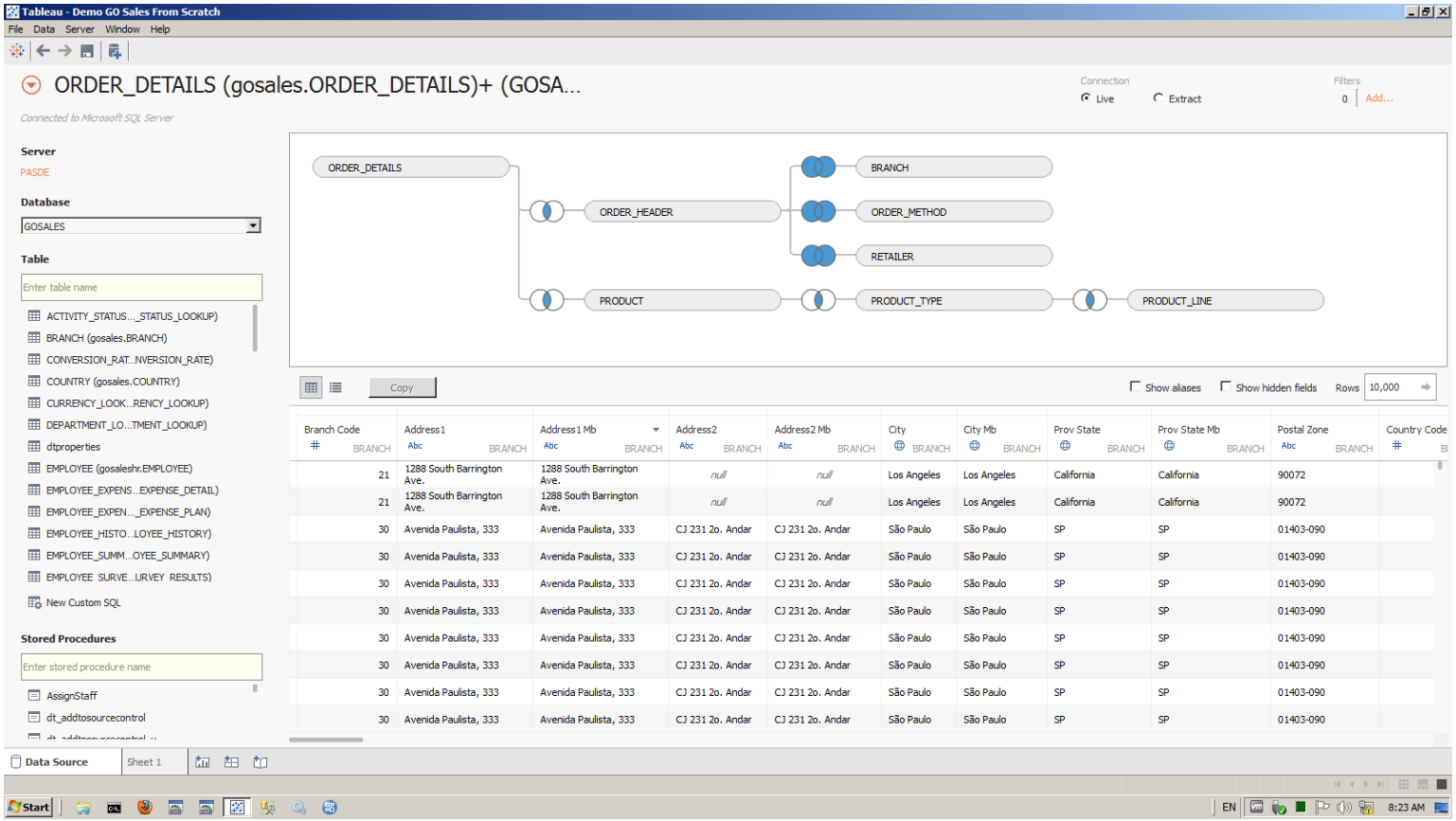
BUT…Tableau Users Circumvent Them!

Using BI tools as ETL and/or recreating models in Tableau's data prep pane wastes time and compromises integrity



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Why You Shouldn't (Re)-Create Metadata

Time Consuming

- 100s or 1000s of tables to sift through
- Business users have little/no knowledge of key joins or join type

Compromises Data Integrity

- Multiple metadata layers cause change management nightmares
- Performance suffers as you add joins/data sources
- Limited audit trail, lineage, calculations or friendly table names
- Lack of data quality
- Incorrect data types
- Limited ability to restrict access to data by user security level

Compromises Data Security

- No ability to leverage robust security at enterprise BI layer
- Users rely on non-secure data extracts or waste time and create potential mistakes attempting to replicate existing security measures

Creates Data Silos

- Having no single source of the truth means numbers don't align across workbooks

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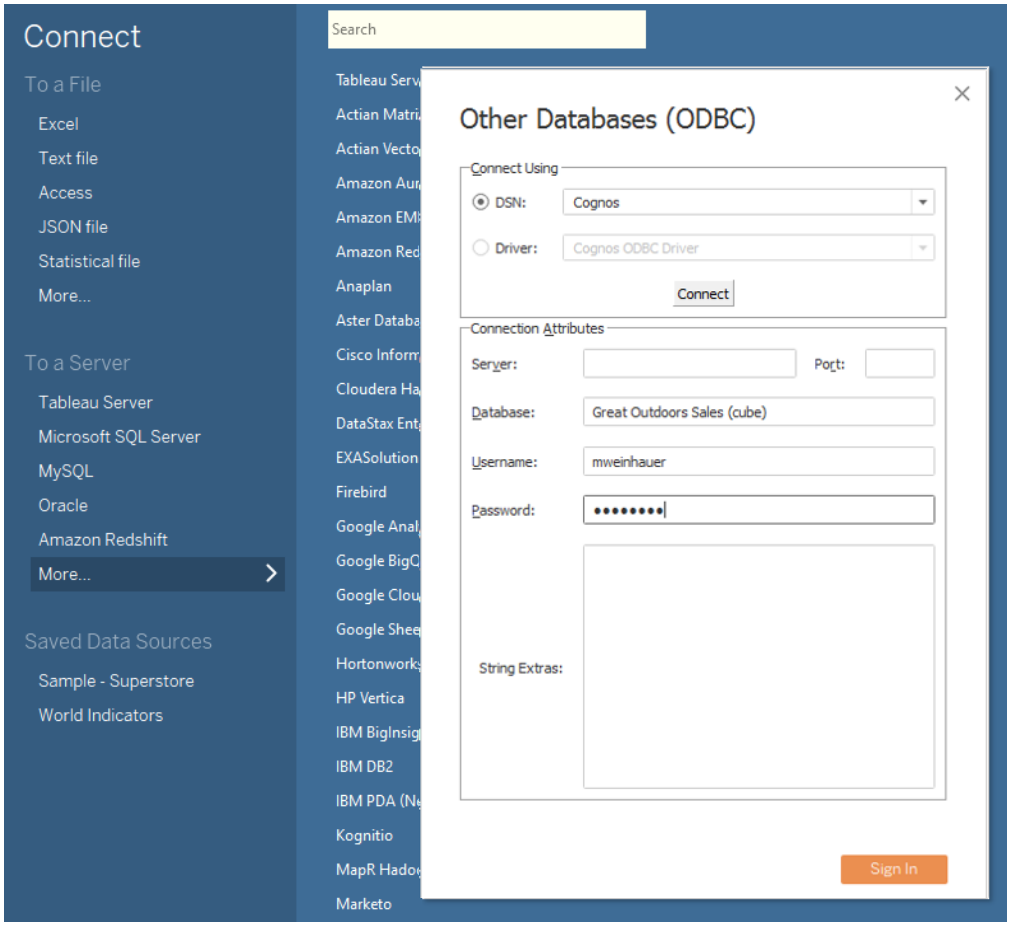
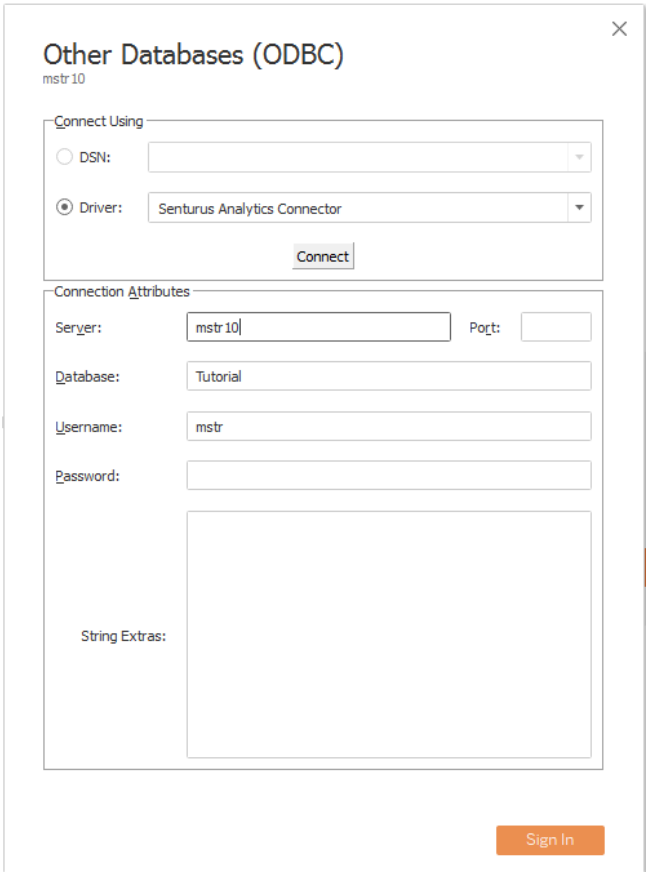
The Solution? The Senturus Analytics Connector!

Tableau users can connect directly to the BI modeling layer, giving them instant access to high quality data





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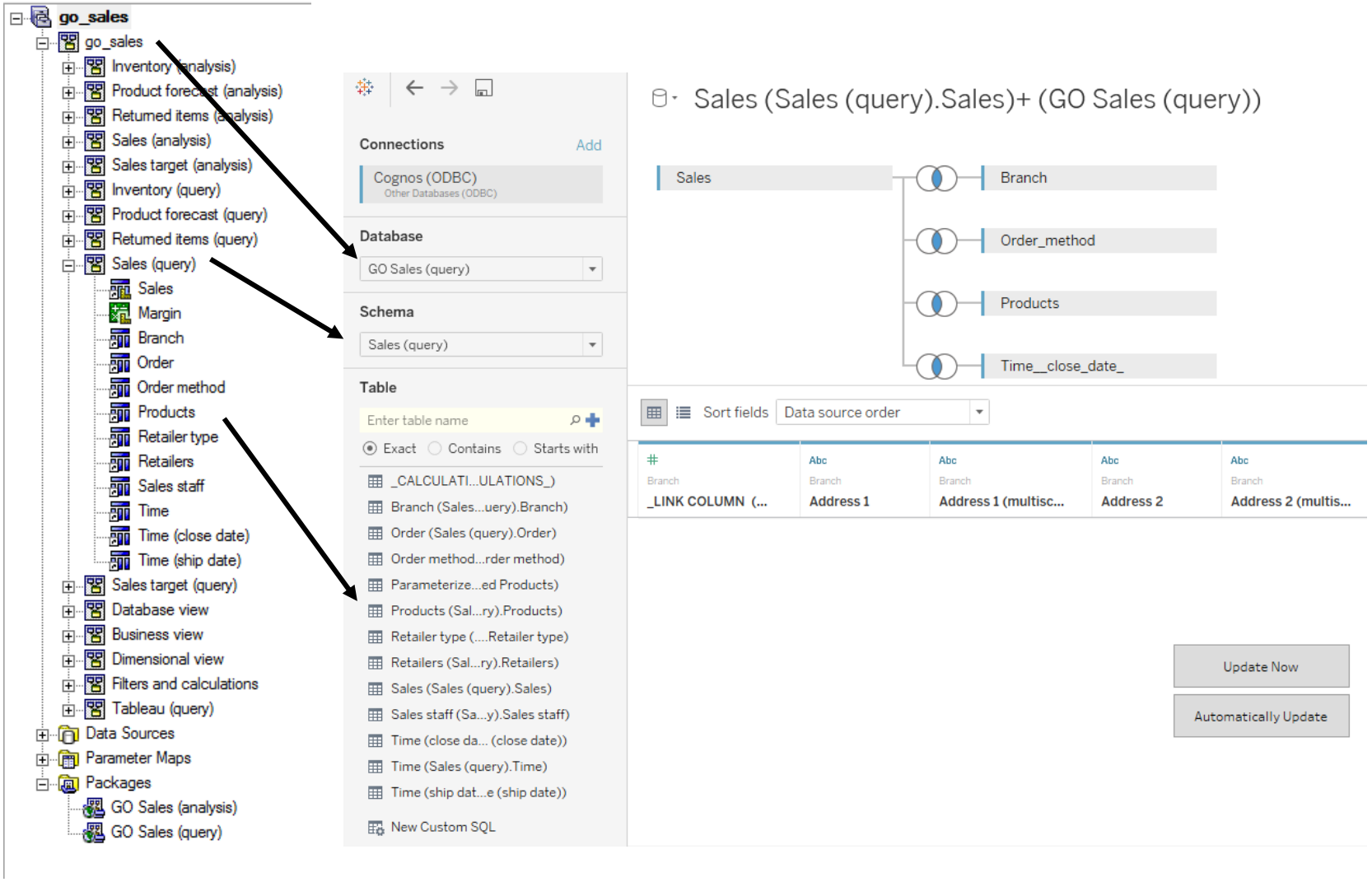
Instant Access to Quality Data Sets



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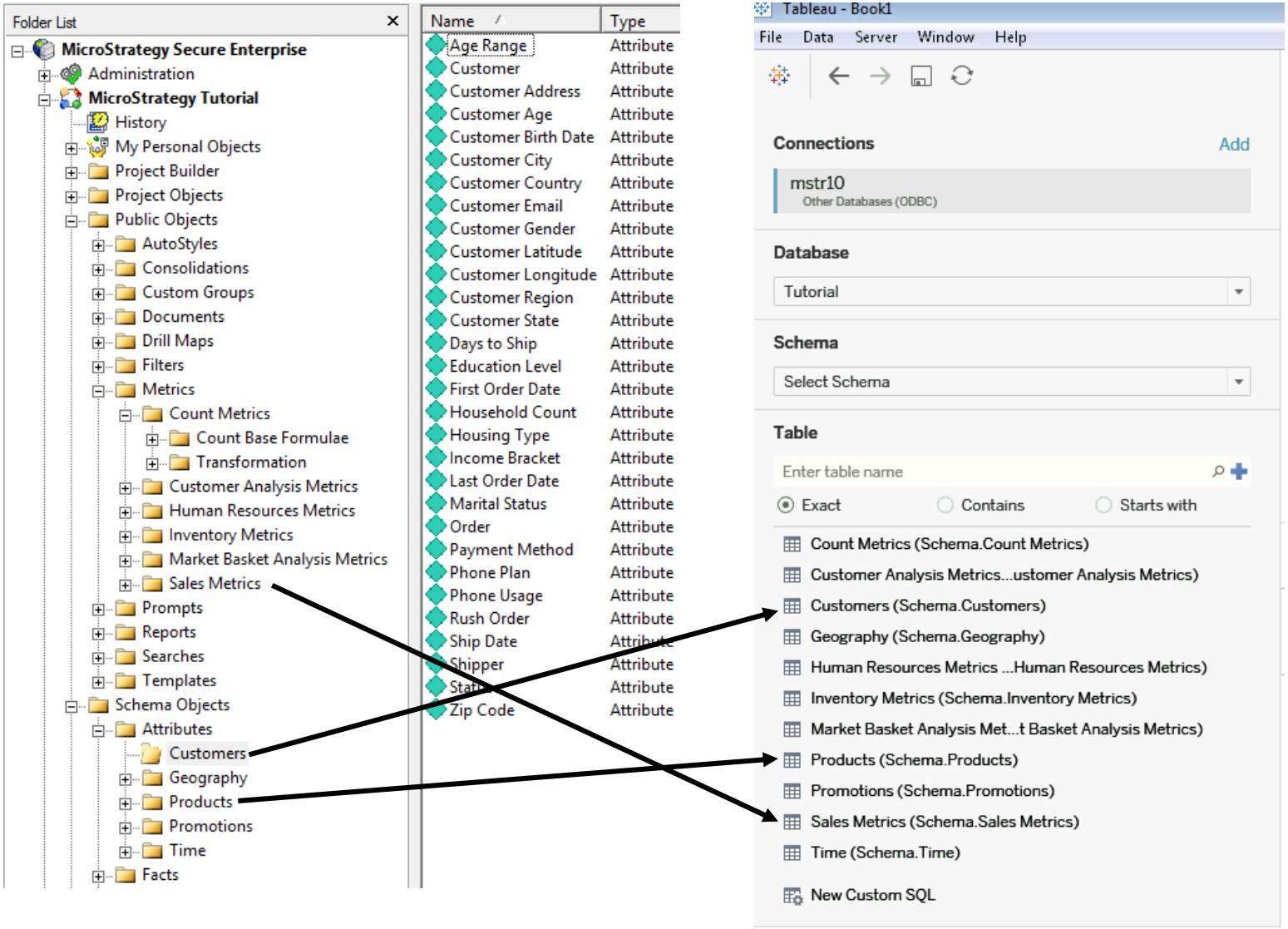

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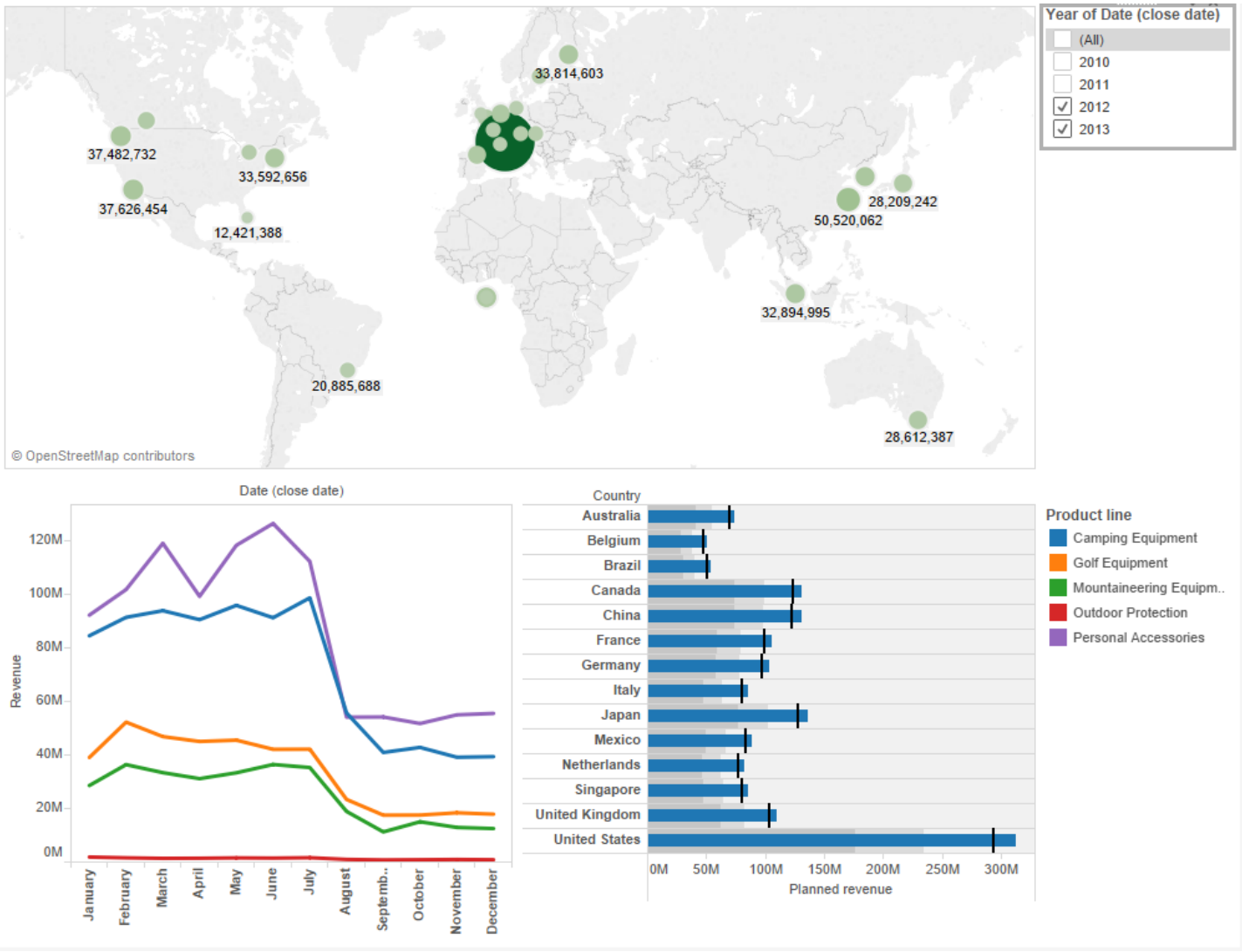
Don’t Sacrifice Integrity for Agility!



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The Senturus Analytics Connector Gives You

Faster, more accurate reporting

Tableau users spend less time in data prep and more time conducting real analysis. No need to remodel the data since Tableau can now access the rich semantic layers and business-friendly data in your enterprise BI system.

Reduces change management

Changes to the metadata layer are automatically picked up by the Connector, eliminating the need to chase down individually curated workbooks.

Trust in the data

Users access a "single version of the truth," using data that is secure, auditable, compliant and governed.

Improves security

Eliminates redundant replication efforts, reduces risks associated with the use of non-secure data and allows appropriate guardrails to be set up around data access.

Superior Tableau performance

Poorly modeled data in Tableau can dramatically decrease performance. Data modeled in the enterprise BI platform has been optimized.

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What's New?

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What's New?

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What's New?

- Local cache for metadata
- Intermediate in-memory database for post-processing support
- Support for Cognos 10.2.0 and 11.0.6
- Support for multiple dispatchers and fail over by specifying multiple dispatcher URLs in config
- 32 bit ODBC driver on Windows 64 bit OS
- Automatically install documentation with Connector
- Configuration GUI/Driver config and modification via Windows ODBC Administrator
- Improved troubleshooting via new batch script
- Simplified installation process for Tableau Server – no post-installation file copying required
- Support silent installation
- Support IIS/Windows authentication
- Increased the length limit of character data types
- Support sort on min/max value of PowerCube and Dynamic Cube levels
- Support Top N in filter
- Support for SiteMinder SSO
- Support for custom joins between query subjects (Cognos only)

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Aero Precision – Overview

Aero Precision provides OEM component management for military aircraft operators in over 60 countries across 14+ military platforms from more than 16 OEM partners. Aero Precision provisions OEM spares, manages repairs and provides upgrade/modification solutions.

"Excellent OEM relationships" are the cornerstone of Aero Precision's business

AeroPrecision

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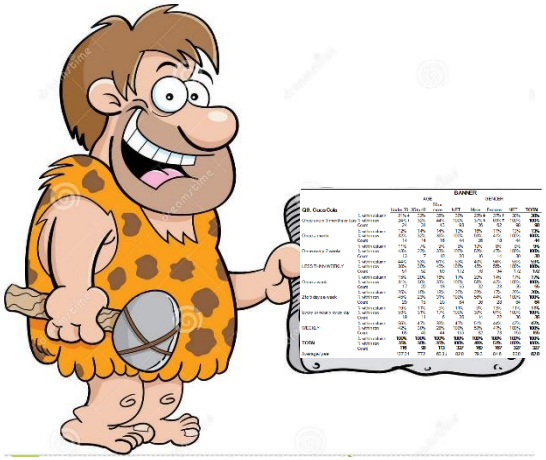
Aero Precision – Improving Supply Chain Visibility

Past State

- Static Cognos report used for monthly/quarterly reviews
  - Not visual
  - Not interactive
  - No trending
- Manual creation effort for each account manager (3 hours/month)
- Using Excel extracts not an option



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Aero Precision – Improving Supply Chain Visibility

Current State

- Use the Senturus Analytics Connector to create data source
  - Worked around complex Cognos model challenges
- Create Tableau visualizations directly against curated data
- Automated, consistent and interactive

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Aero Precision – Improving Supply Chain Visibility

Future State

- Leverage Connector against other packages to greatly improve efficiency and effectiveness of other business areas
- Migrate scorecards and KPIs to Tableau to improve sales, business development, customer service, warehousing and shipping

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Aero Precision – Improving Supply Chain Visibility

Business Value

- Better ability to identify trends, anomalies, etc. by making them visual
- Improved communications with OEM and vendor managers
- Senior management can see trends and anomalies and can respond more quickly
- Saves ~80 hours of time PER MONTH across team =~$100k/year!

Technical Benefits

- Use flattened Framework model with 3 data sources, designed and implemented ideal solution for management
- Using the Connector, each monthly Supply Chain Report is created effortlessly and automatically

Source: SQL Server 2015

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DEMONSTRATION

Summary

- (Re)-creation of metadata is slow, challenging and risky
- The Senturus Analytics Connector delivers agility and integrity
- Spend your time doing analysis, not prepping data that's already curated elsewhere

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Frequently Asked Questions

Live vs. Extract

- Both methods are supported

Supported BI Platforms and Versions

- IBM Cognos 10.2.x/11.0.6 and higher
- MicroStrategy 10.6 and higher

Supported Data Sources

- Cognos - Relational, PowerCubes, DMR, Dynamic Cubes, & TM1
- MicroStrategy - Relational

Release Date

- The product was released on 11/7/16

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Frequently Asked Questions

Supported Versions / Platforms

- Tableau 9.x/10.x
- Microsoft Windows operating system (Windows 7, 8, 10, Windows Server 2008 R2, 2012, 2012 R2)

Software Installation Location

- Wherever connectivity to Enterprise BI is required (Desktop and/or Server)
- Nothing installed on Cognos/MicroStrategy servers

Minimum Software Requirements

- Similar to those for any other typical ODBC driver

Cognos/MicroStrategy Environment Impact

- Tableau users leveraging the Connector will generate load on the Cognos/MicroStrategy servers similar to an interactive report user on those systems.

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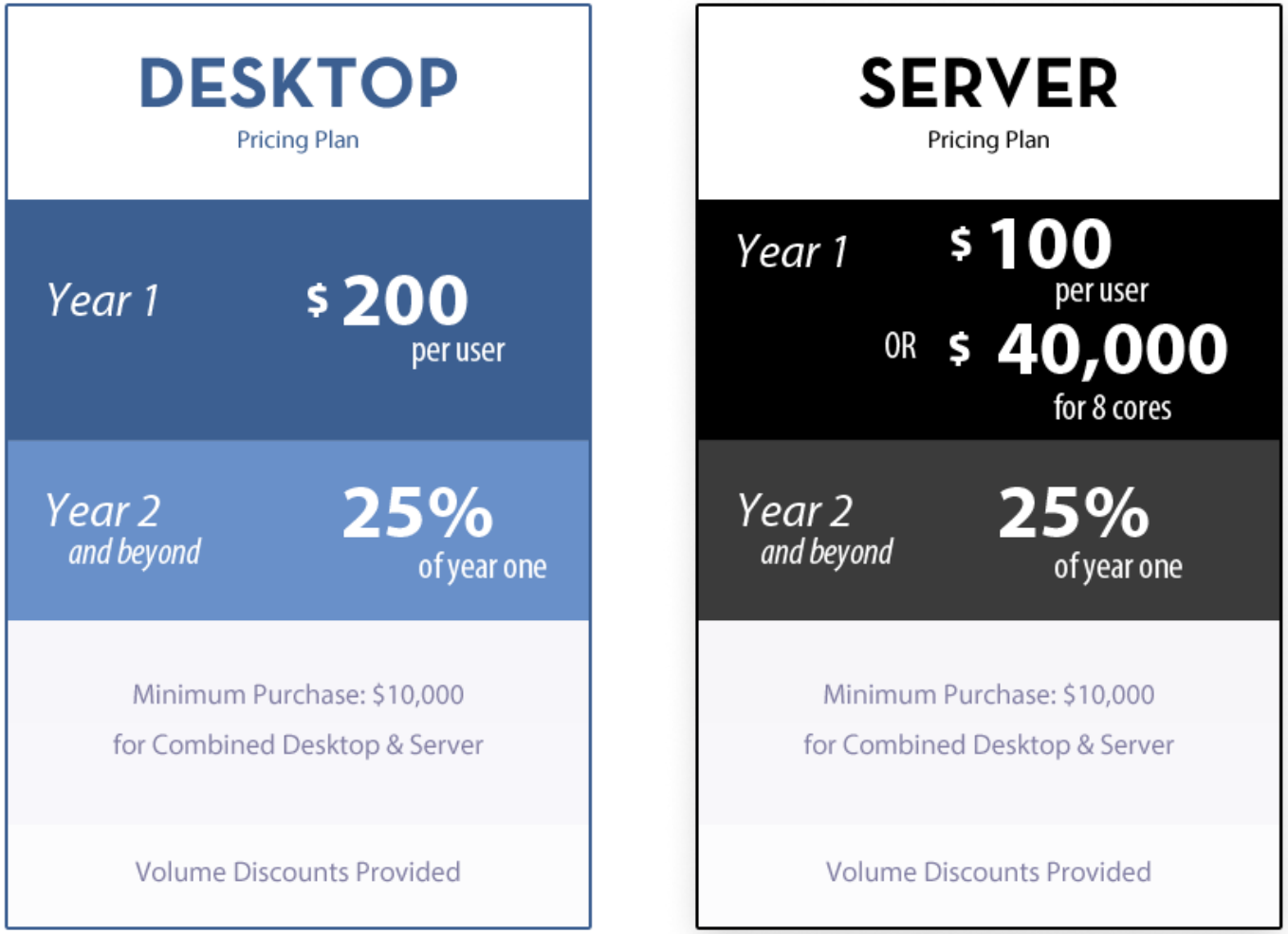
Frequently Asked Questions

Licensing / Pricing



*Subscription pricing also available at $85 and $45, respectively

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Frequently Asked Questions

Licensing Requirements - Cognos

- **Extracts:** Cognos BI analytics user or equivalent to allow extraction creation. Cognos license not required to connect to extracts, just Senturus Connector license

- **Live Connect**: Cognos BI analytics user or equivalent

Licensing Requirements – MicroStrategy

- **Extracts:** Project access and reporter role to allow creation of extracts. MicroStrategy license not required to connect to extracts, just Senturus Connector license

- **Live Connect**: Project access and reporter role required

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Frequently Asked Questions

Security

- Enforces security applied within the Enterprise BI environment

Metadata Modeling Requirements

- No special modeling requirements for the Connector
- Tableau requires that joins are created between query subjects/attributes/metric views
- Cognos – supports both CQM & DQM

Method for Accessing Tableau

- ODBC connection

Support

- Provided by Senturus and included in the price of the product

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ROI for the Senturus Analytics Connector

- Time and money required to create metadata from scratch in Tableau – ranges from a few days to several weeks depending on the complexity of packages/projects
- Risk of not having proper data security (PII, HIPPA)
- Time saved converting reports to Tableau
- Time wasted by different analyst groups maintaining multiple metadata layers between Enterprise BI and Tableau
- Time wasted, cost and potential risk of having inaccurate/misaligned business metrics

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Connector Test Drive

- Two week proof of concept
- Includes installation, configuration and testing in your environment

Register to request a test drive:

http://www.senturus.com/enterprise-bi-connector-tableau/

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Who We Are

Business Analytics Consultants

Bridging the Gap Between Data & Decision Making

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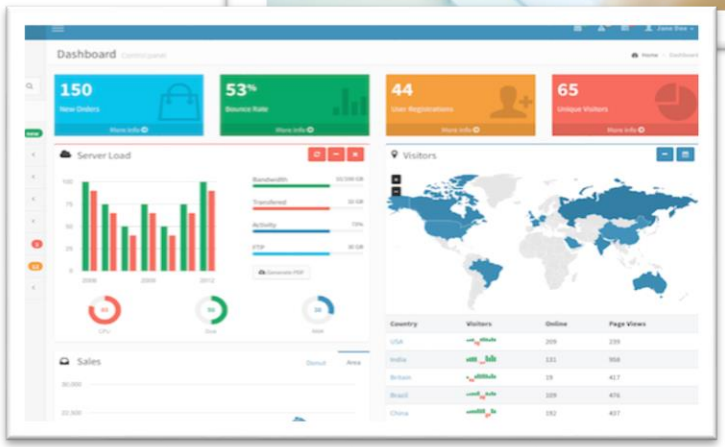
Business Analytics Architects

- Dashboards, Reporting & Visualizations
- Data Preparation & Modern Data Warehousing
- Self-Service Business Analytics
- Big Data & Advanced Analytics
- Planning & Forecasting Systems
- Proprietary Analytics Connector Software



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1000+ Clients, 2000+ Projects, 16+ Years

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Additional Resources

Free Upcoming Events

http://www.senturus.com/events/

WE'RE BAAACK! TABLEAU CONFERENCE 2017

October 9-12, 2017

TABLEAU LIKE A PRO IN HALF A DAY

HANDS-ON WORKSHOP IN AUSTIN, TX

Wednesday, November 08, 2017 - 8:30am – 12:30pm CT or 1pm – 4:30pm CT - 4 hours or 3.5 hours

IS OLAP DEAD?

CAN NEXT GEN TOOLS TAKE OVER?

Thursday, October 19, 2017 - 11am PT/ 2pm ET - 60 minutes

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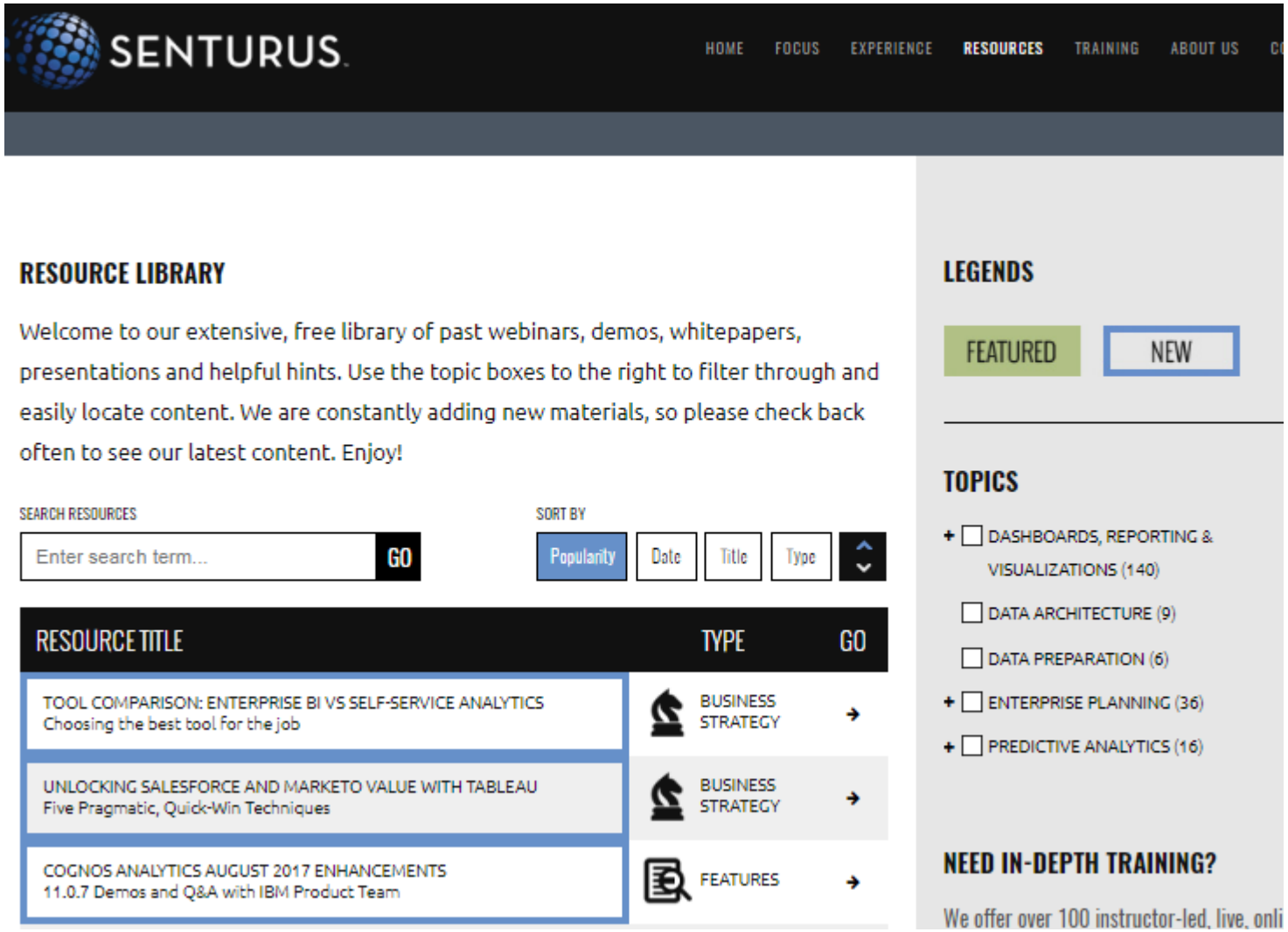
More Free Resources www.senturus.com



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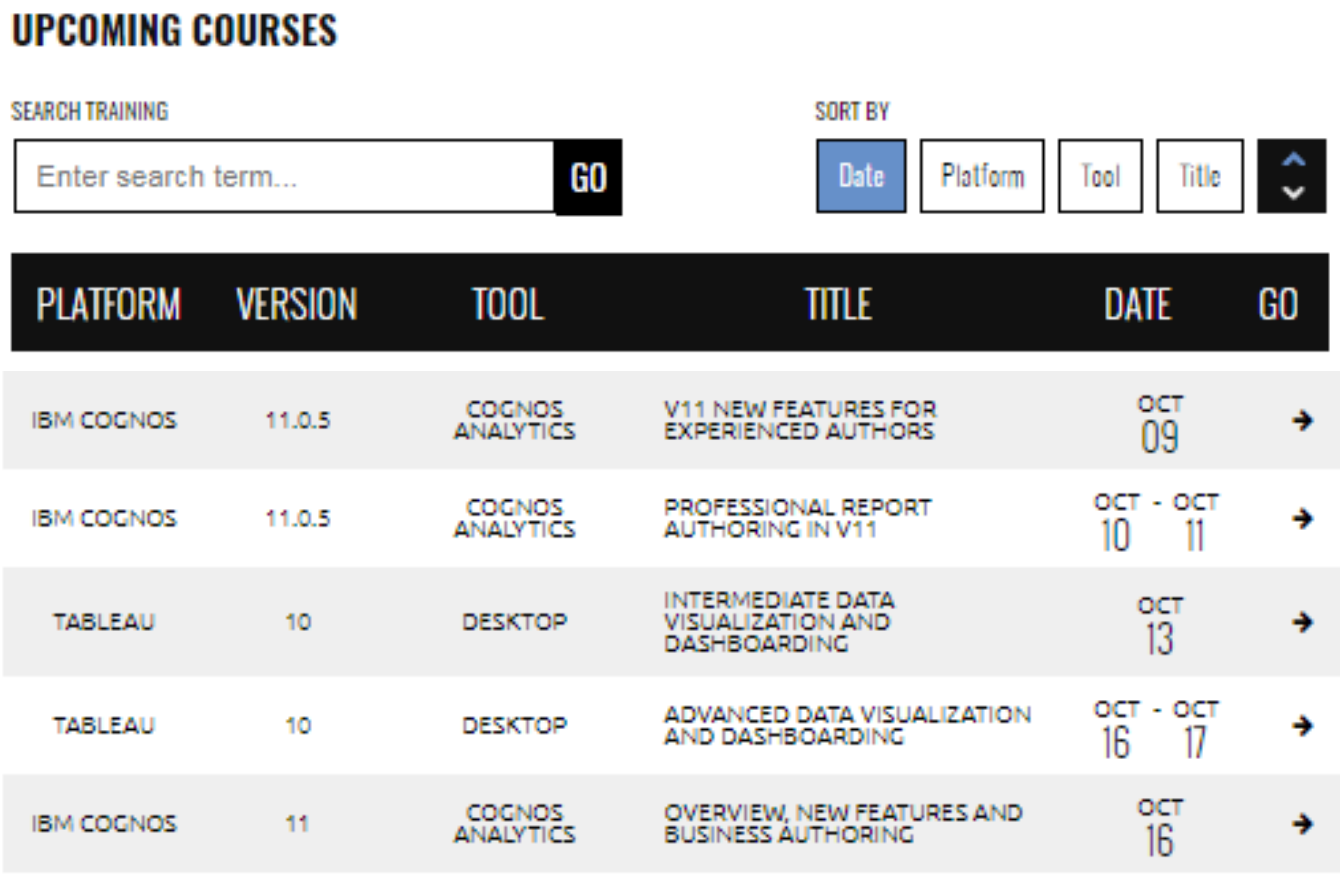
Cognos Analytics & Tableau Training

http://www.senturus.com/training/course-schedule/



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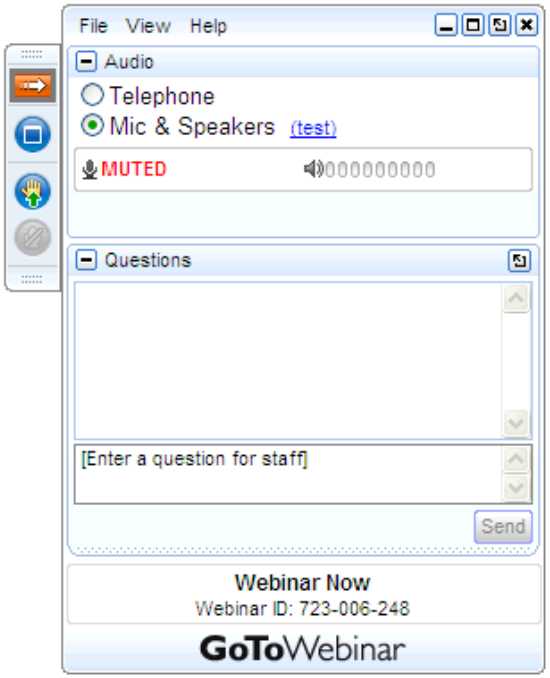
Q&A

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.



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