

EV technologies

PGHBOUG

December 1 , 2016

What's New in SAP BusinessObjects Enterprise 4.2?

01 December 2016

Today's Speakers



EV technologies

Dallas Marks

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SAP Mentor

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Today's Agenda

What's New in SAP BusinessObjects Enterprise 4.2?

- Innovations in Web Intelligence
- Innovations in SAP Lumira
- Adopting the Information Design Tool
- Accelerate your data warehouse with SAP IQ included in SAP BusinessObjects Enterprise Professional and Premium packages

Our Products and Services



Data Visualization

Harness the full capabilities of SAP analytics with our tools.



Managed Services

Support your users, address potential issues, and plan for growth.



Training

Learn from instructors with years of practical experience.



Architecture

Trust the industry leaders to design and implement your system.



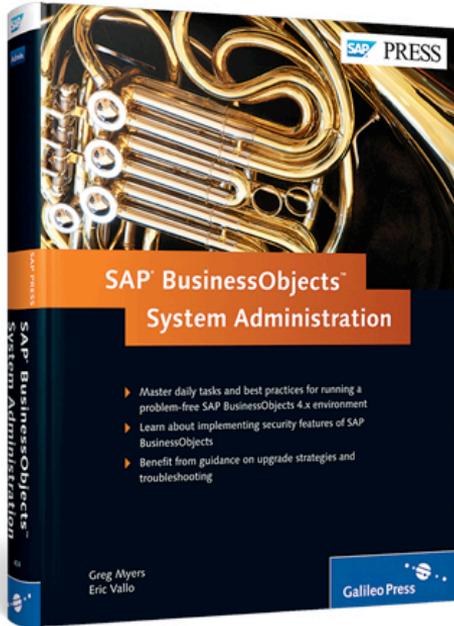
Analytic Apps

See your data in a new light with our useful and beautiful interfaces.

SAP Analytics Outstanding Partner of the Year



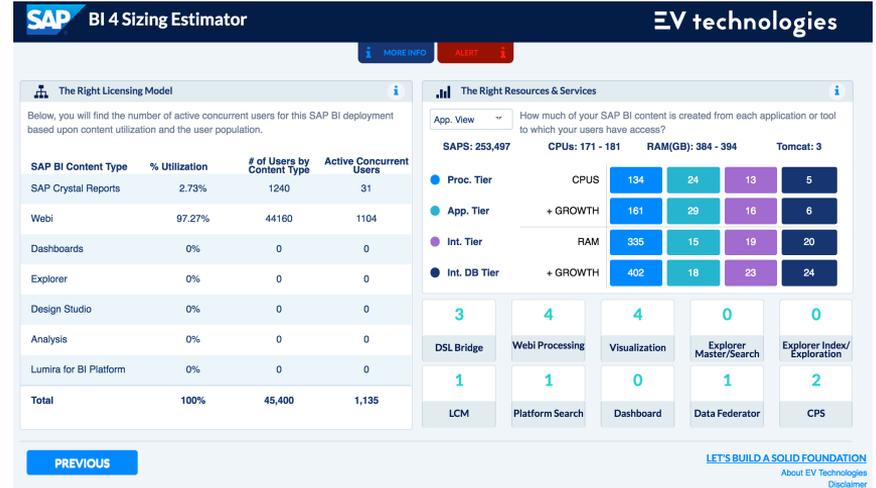
Less Suck, More Success



Eric Vallo
CEO and SAP Mentor



Greg Myers
Solution Director and
SAP Mentor



Trusted and experienced experts for deploying your SAP BusinessObjects BI Platform

Join me in Orlando at SAP Insider BI 2017!



Dallas Marks

Sessions on SAP Lumira and SAP IQ

BI2017

FEBRUARY 27–MARCH 2 • ORLANDO

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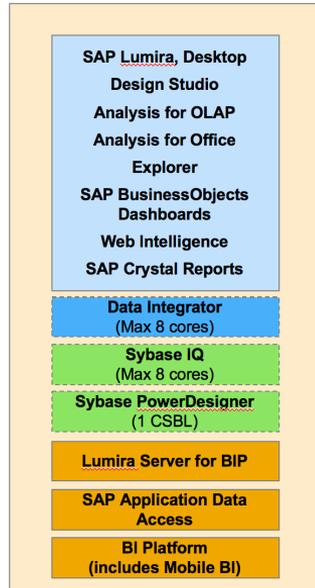
produced by **SAP**insider

Choose a Package

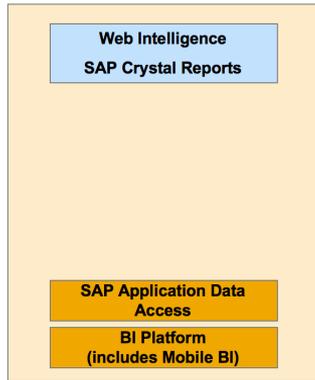
Standard, Professional, or Premium

 Limited Use Runtime Component

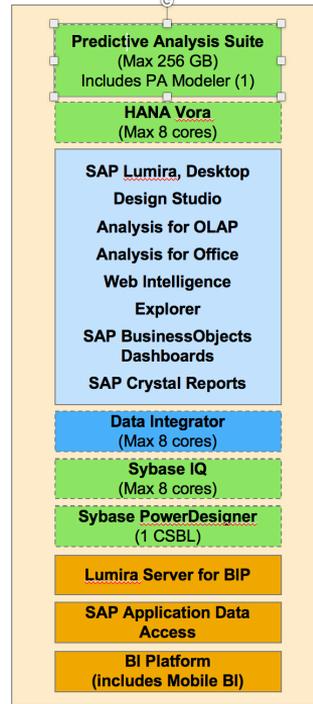
SAP BusinessObjects Enterprise Professional



SAP BusinessObjects Enterprise Standard



SAP BusinessObjects Enterprise Premium



Licensing Model

Supported Metrics

- Blocks of 10 CBSL (Concurrent Session Based Licenses)
- Blocks of 1 Named User
- Blocks of 1 Public Document (Pro and Premium only)

1. Runtime licenses of SAP IQ and Data Integrator can be deployed on multiple instances up to a maximum of **8 cores** each. The DI instances cannot be clustered.
2. SAP IQ runtime license is limited to access by and through SAP BusinessObjects BI Suite and SAP Predictive Analytics.
3. Runtime license of DI is limited to one target datastore, can be IQ or some other datastore.
4. The runtime license of the Predictive Analysis Suite can only be used in conjunction with the BI Suite. Predictive scoring results can only be used by SAP BI tools and not for use by other non SAP BI applications.
5. The runtime license of SAP HANA Vora is limited to a maximum of 4 nodes and a total of 8 cores and can only be access by the included BI and predictive tools.
6. Some clients in the SAP BusinessObjects BI portfolio that are deployed on a desktop are only supported with a NUL metric.



What's New in SAP BusinessObjects Enterprise 4.2?

Part I: SAP Lumira

The Power of Collective Insight with ...

Trusted Data Discovery



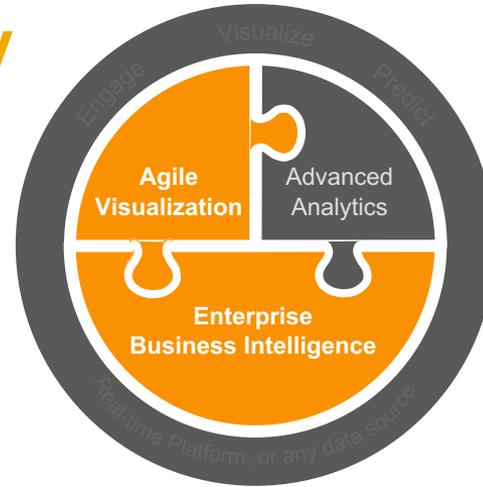
Agility for the Analysts



Instant insight for decision makers



Scale and trust for IT and Management

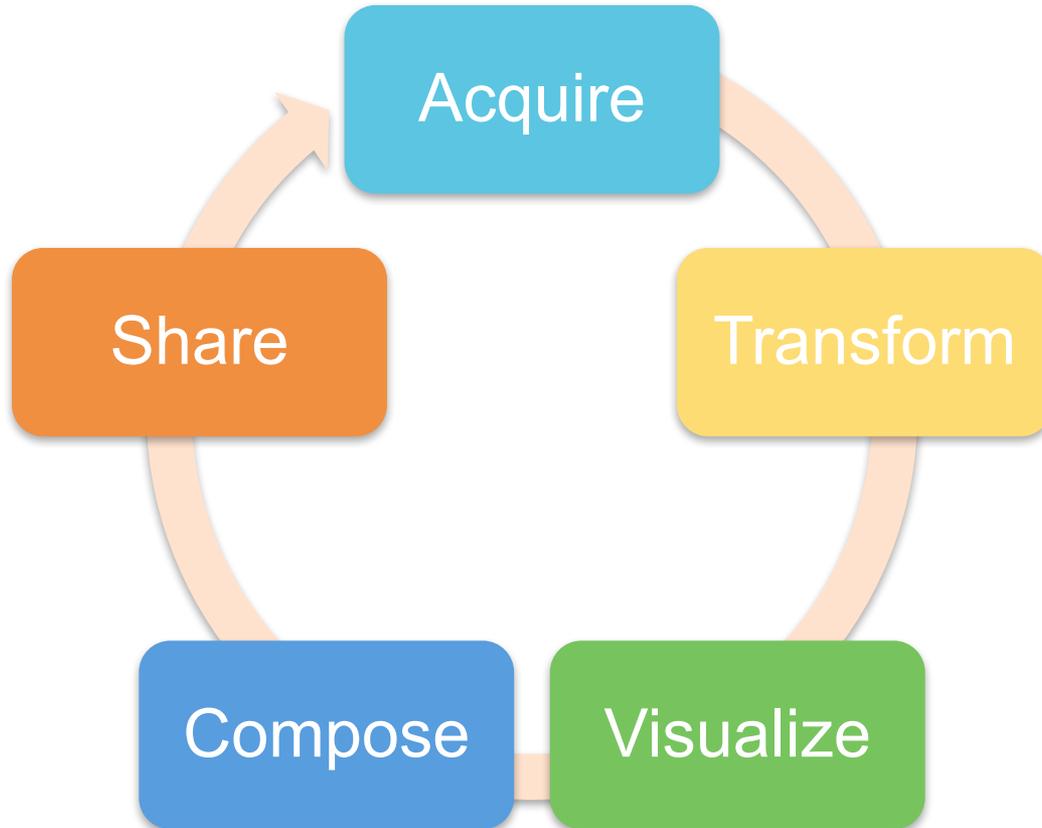


BI Simplification

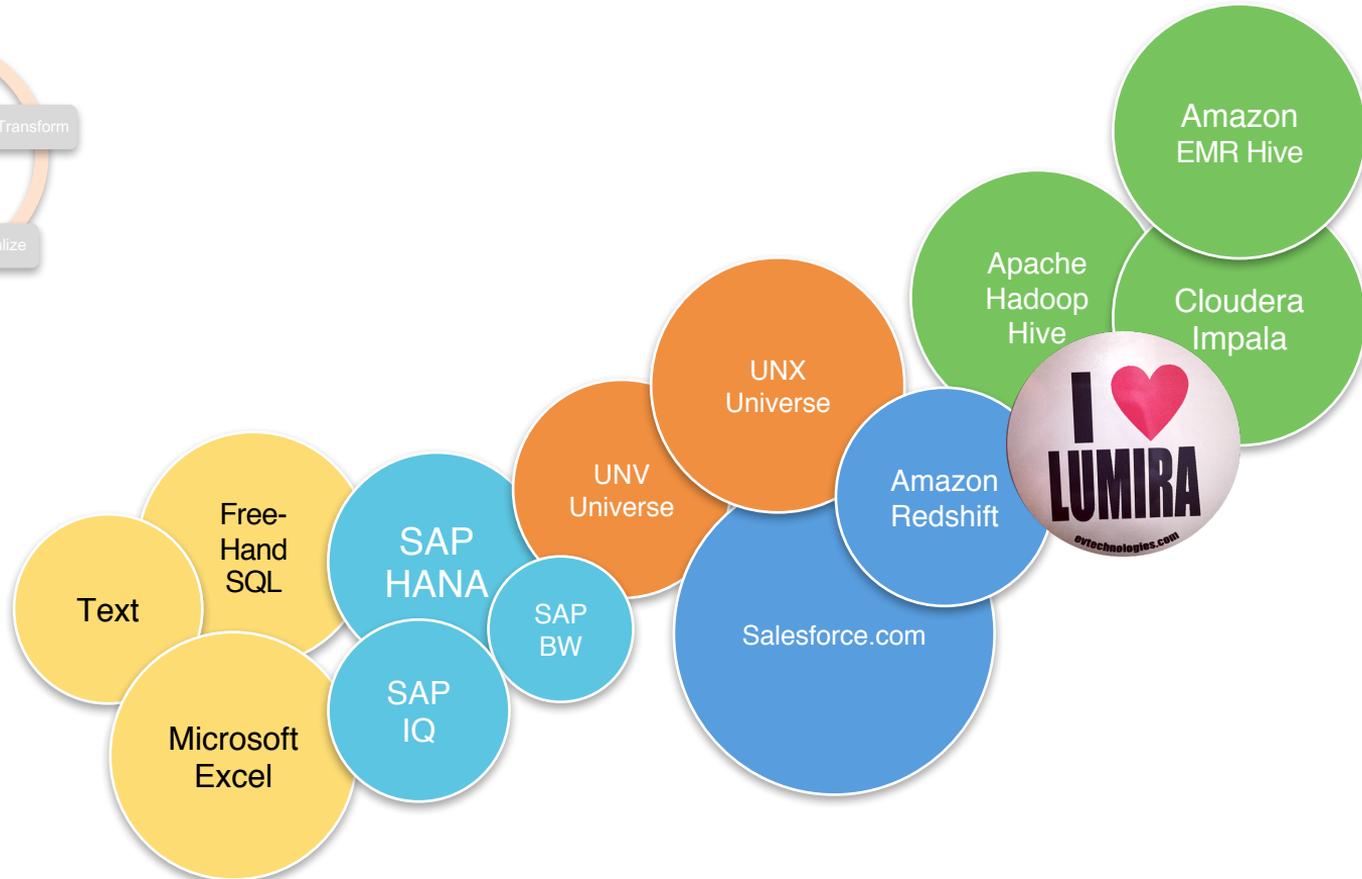
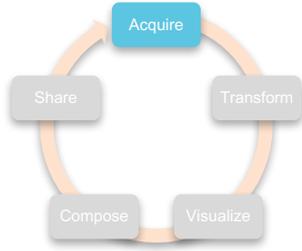
[Run Simple: Convergence of the SAP BusinessObjects BI Product Portfolio](#)
Jayne Landry, Global VP and GM Business Intelligence, SAP
June 25, 2014



SAP Lumira Lifecycle

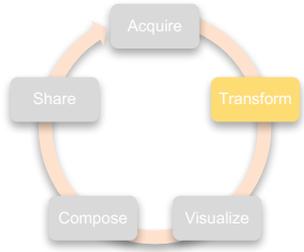


Acquire



NOTE: For a full list of supported data sources, consult the SAP Lumira Product Availability Matrix (PAM)

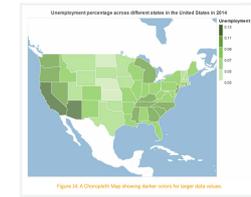
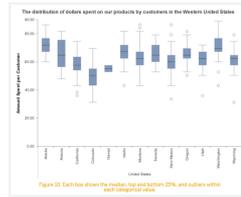
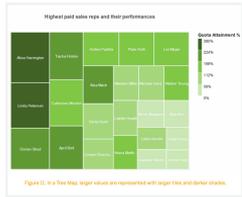
Transform



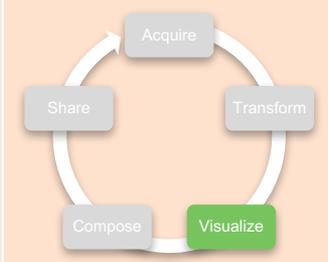
- Use Data Blending to combine and cleanse multiple data sources
- Data Wrangling allows manipulation of large data sets from Hadoop



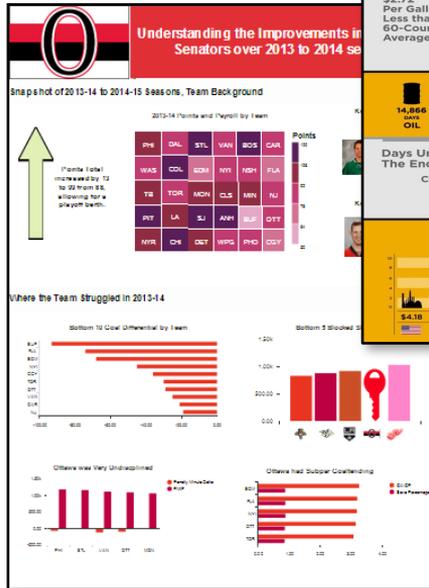
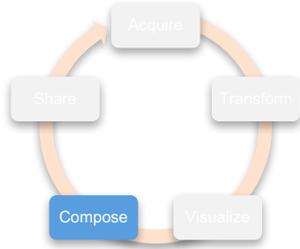
Visualize



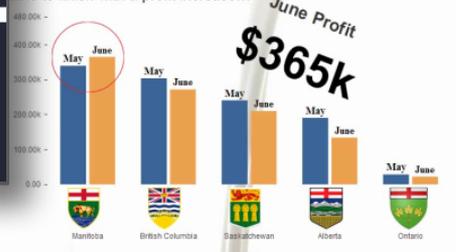
Comparison	Percentage	Correlation	Trend	Geographical
<ul style="list-style-type: none"> Bar Chart Column Chart Column Chart with 2 Y-Axes 3D Column Chart Marimekko Chart Radar Chart Area Chart Tag Cloud Heat Map Crosstab 	<ul style="list-style-type: none"> Pie Chart Donut Chart Pie with Depth Chart Stacked Column Chart Tree Funnel Chart 	<ul style="list-style-type: none"> Scatter Plot Scatter Matrix Chart Bubble Chart Network Chart Numeric Point Tree 	<ul style="list-style-type: none"> Line Chart Line Chart for Date/Time Series Line Chart with 2 Y-Axes Combined Column Line Chart Combined Column Line Chart with 2 Y-Axes Scatter Plot for Date/Time Series Bubble Chart for Date/Time Series Waterfall Chart Box Plot Parallel Coordinates Chart 	<ul style="list-style-type: none"> Geo choropleth chart Geographic bubble chart Geo pie chart ESRI charts



Compose



Congratulations, June has been a challenging month, but Manitoba able to finish with a profit increase!!!



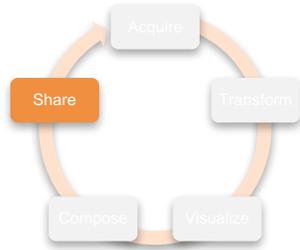
Featuring this month top customers: Grocery Depot

Top 5 Profit on Customer by Customer

Manitoba, British Columbia, Saskatchewan, Alberta, Ontario



Share



Share to desktop, laptop, and tablet devices by publishing to the SAP BusinessObjects BI Platform



of, SAP

Images courtesy M

NOTE: sharing requires Lumira Integration for BI Platform add-on



Web Intelligence vs. Lumira?



Web Intelligence vs. Lumira?



Web Intelligence AND Lumira!

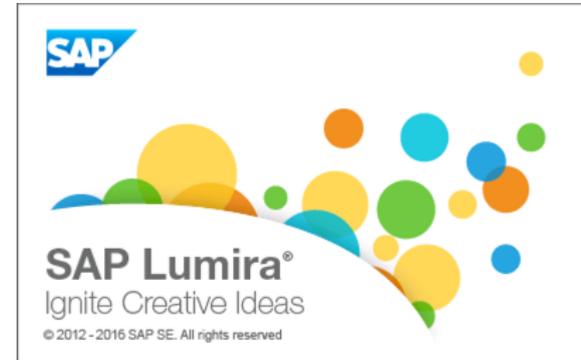
SAP Lumira AND Web Intelligence



“Lumira has data preparation, composition and layout capabilities that go beyond what are available in Web Intelligence, allowing you to accomplish some of the tasks you would normally perform in Web Intelligence more quickly, more easily, and with more flexibility.”

[Web Intelligence, Lumira and the SAP BI Convergence Strategy](#) on SAP Community

SAP Lumira *AND* Web Intelligence



“In the future we see the two products coexisting, rather than one replacing the other. We see greater interoperability between Web Intelligence and Lumira to come.”

[The Future of Web Intelligence and Lumira Interoperability](#) on SAP Community

SAP Lumira Prerequisites



SAP BI Suite License

Requires simplified BI Suite Licensing
Issued with Named User License (NUL)
and Concurrent Access License
CPU licensing not available
No hardware restrictions



Windows 64-bit Desktop

64-bit Windows OS
Windows 7 SP1
Windows 8/Windows 8.1
Windows 10
Minimum 3 GB RAM but 4 GB or higher
recommended
By default Lumira Desktop allocates
85% of the available memory of your
machine at start up to the in- memory
data engine.



Additional Server Hardware

SAP Lumira uses its own In-Memory
database engine (aka Velocity)
The engine requires dedicated
hardware and adequate RAM
By default Lumira Server allocates 85%
of the available memory of your
machine at start up to the in- memory
data engine.
Sizing is critical!



SAP BusinessObjects
Web Intelligence

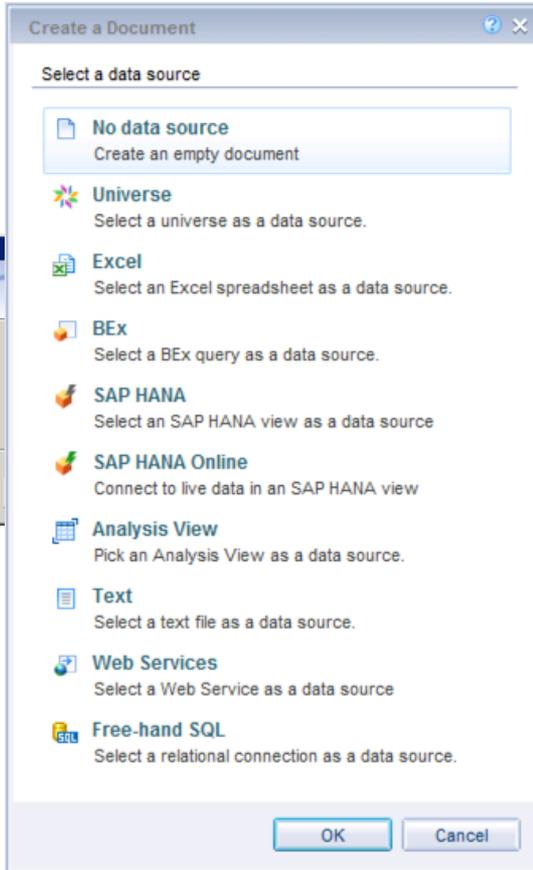


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What's New in SAP BusinessObjects Enterprise 4.2?

Part II: Web Intelligence

Web Intelligence Data Sources



Native SAP BEx support
Native Analysis View support
Web Services support
Multisource universe support
UNIX universe support



Improved MS Excel support
Free-Hand SQL support



Native SAP HANA support
Linked universe support

What's New In Web Intelligence 4.2?

Trusted Foundation

Remove Upgrade Barriers

- Linked Universes (4.2 SP3)

Client Improvements

- Parallel Queries
- Free-Hand SQL (4.1 SP6)

Enable the Business

Collaboration

- Commentary
- Shared Elements

Client Improvements

- Geo Maps
- Big Numbers

Unleash the Ecosystem

- Visualization Extensions

Best on SAP Backend

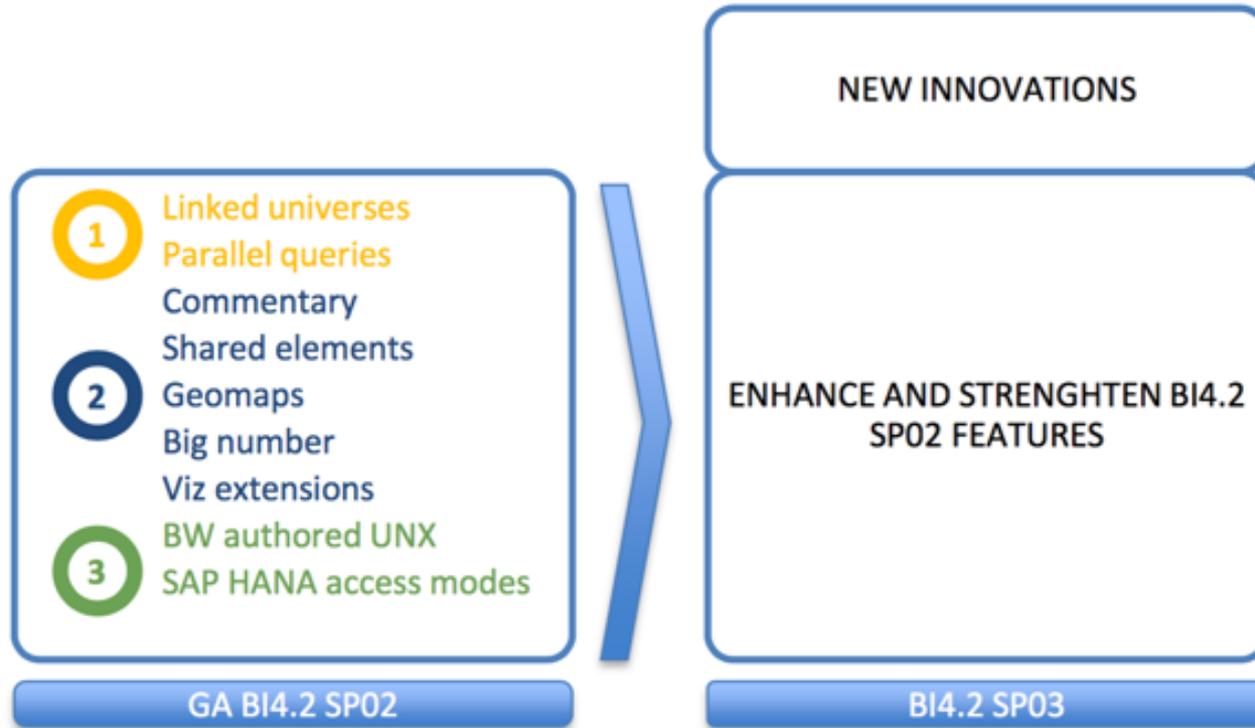
SAP BW Improvements

- BEx authored universe (BI 4.2 SP3)

SAP HANA Improvements

- SAP HANA Direct Access
- SAP HANA Online Mode

What was released in Web Intelligence BI 4.2 SP3



What was released in Web Intelligence BI 4.2 SP3

NEW



dHTML catch up > Java parity – Step 1 : will probably span multiple service pack release

Dynamic Input Controls

Sets – IDT authoring and WebI (incl. CR, LUMIRA desktop) consumption

Referenced cell – step 1 on 2 to enable Alerting and notification in WebI

Extend commentary – comment in table cell, block (chart or table), add query context, search & locate

Parallel Queries – Support for BEx queries, Connection server support to define number of parallel jobs

Linked Universes – convert linked UNV to linked UNX

Extend geomaps – Use lat/long as datapoints, Show geomaps in tool bar

Extend Shared Elements – for Geomap support + Support custom elements + Support Embedded picture + Optimize DP merge

HANA access improvements

Java and REST SDK enhancements – Expose BI 4.2 WebI features

Information Design Tool

Information Design Tool 4.2
Build: 14.2.3.2132
Version: 4.2 Support Pack 3
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What's New in SAP BusinessObjects Enterprise 4.2?

Part III: Information Design Tool

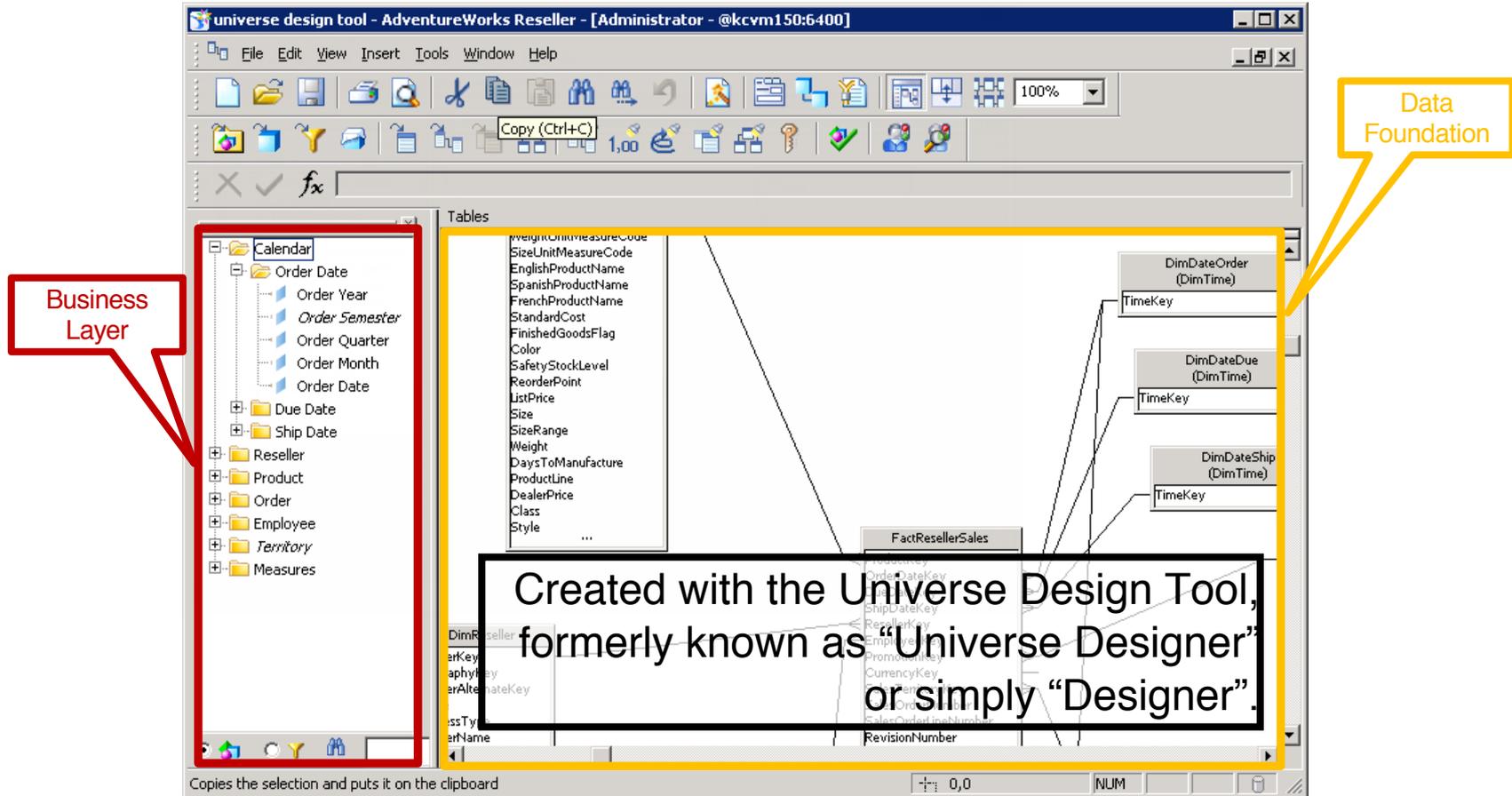
What is a legacy UNV Universe?



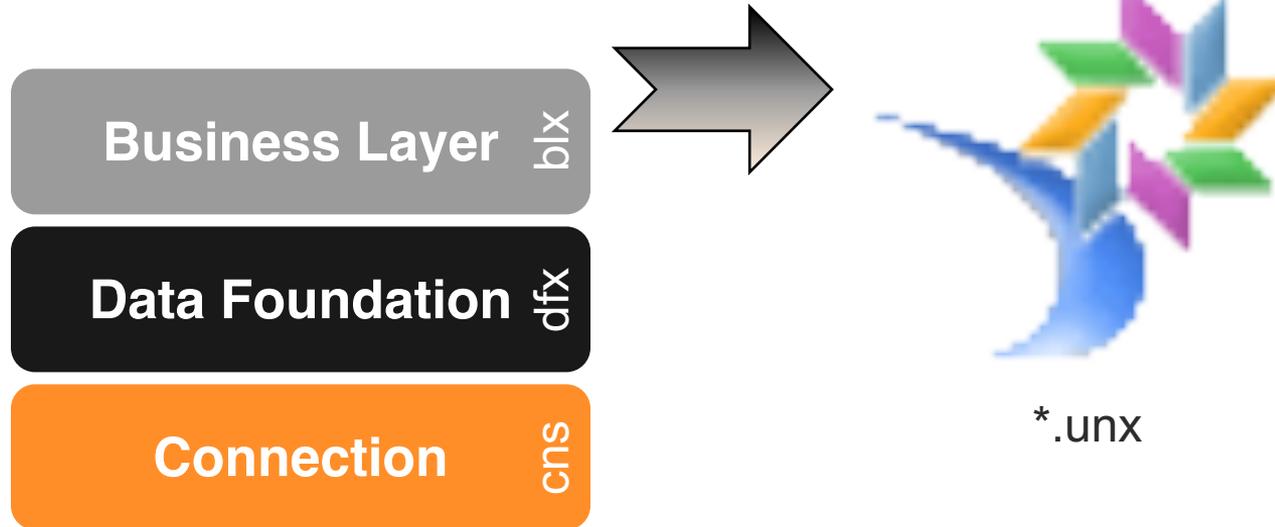
*.unv

Connection

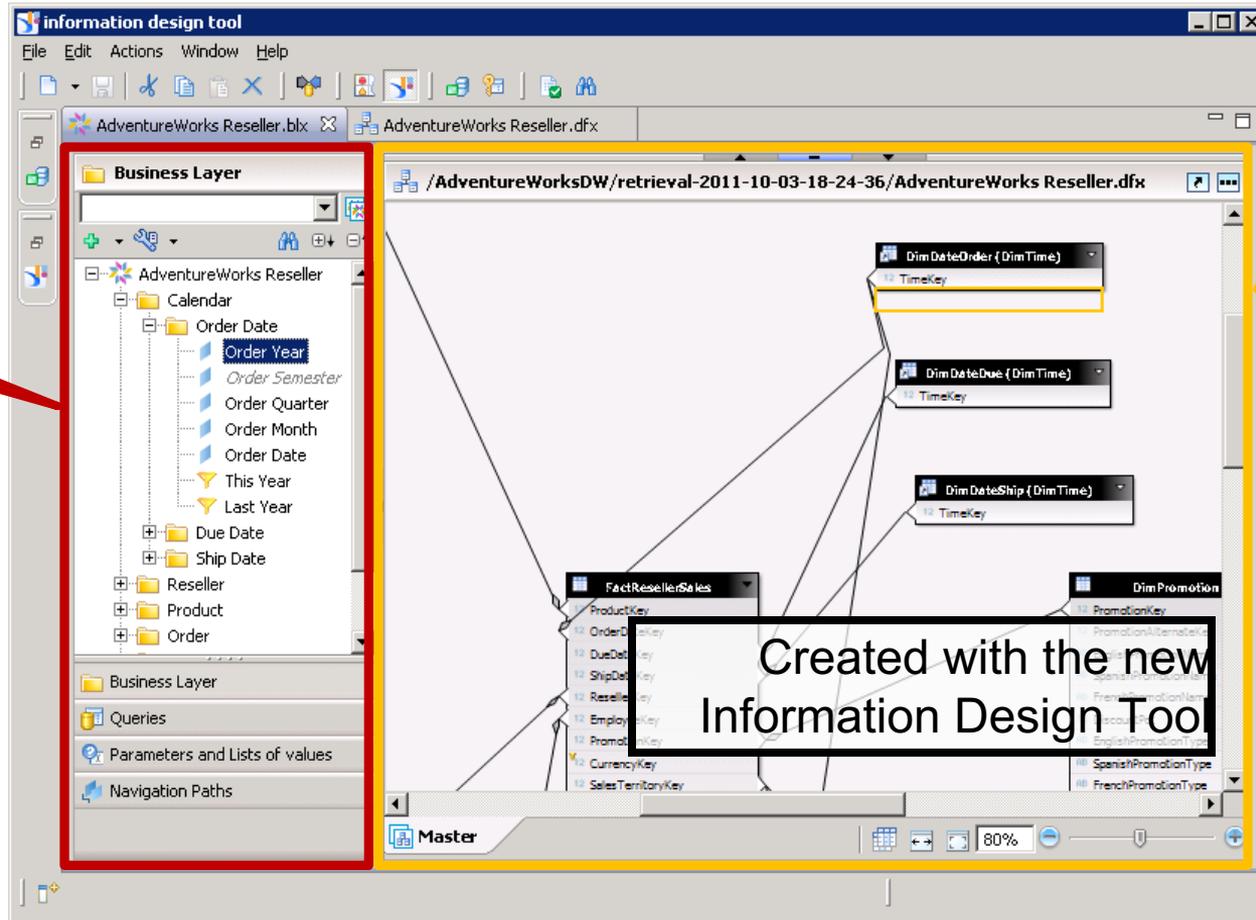
What is a traditional UNV Universe?



What is a UNX Universe?



What is a UNX Universe?



Information Design Tool Support

Product	UNV	UNIX
Crystal Reports 20xx	Yes	No
Crystal Reports for Enterprise	No	Yes
Dashboards (Xcelsius)	No	Yes
Design Studio	No	Yes
Explorer	Yes	Yes
Live Office	Yes	Yes
Lumira	Limited	Yes
Web Intelligence	Yes	Yes
SAP BusinessObjects Cloud	No	Yes

The Information Design Tool and its UNIX universe format was introduced with BI 4.0 to eventually replace the classic UNV universe format.

Information Design Tool Support

Product	UNV	UNX
Crystal Reports 20xx	Yes	No
Crystal Reports for Enterprise	No	Yes
Dashboards (Xcelsius)	No	Yes
Design Studio	No	Yes
Explorer	Yes	Yes
Live Office	Yes	Yes
Lumira	Limited	Yes
Web Intelligence	Yes	Yes
SAP BusinessObjects Cloud	No	Yes

Information Design Tool adoption and conversion is recommended for organizations using or planning to use SAP Crystal Reports, SAP Design Studio, SAP Lumira, or SAP BusinessObjects Cloud.

Converting classic UNV to modern UNX

Stop using Universe Design Tool for new projects



Sign Up for Information Design Tool training



Profile BI platform for obsolete reports



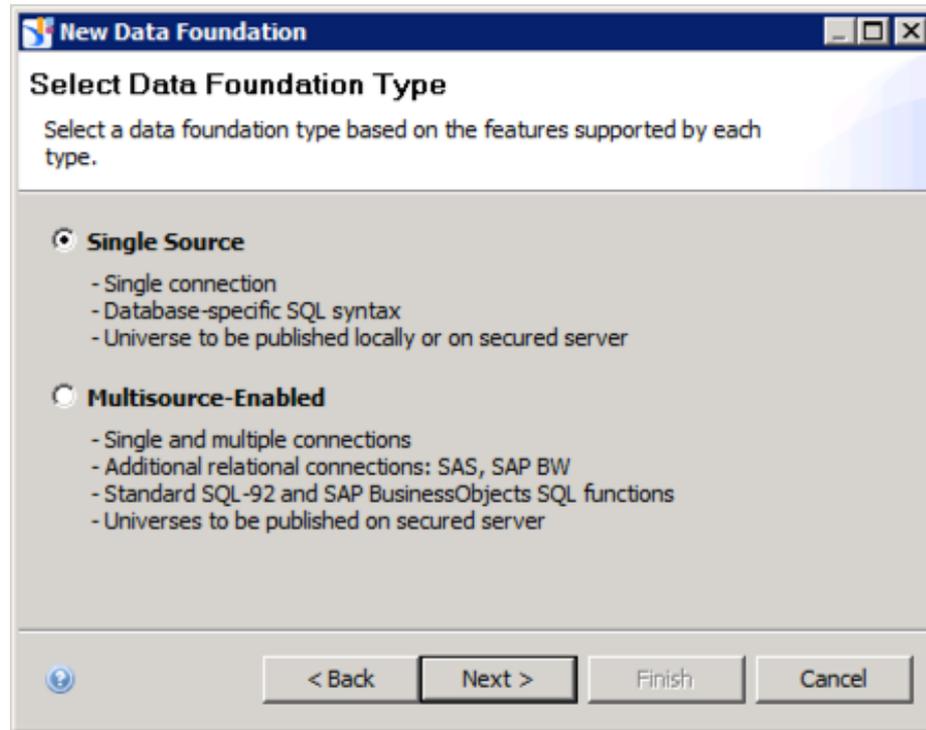
Profile BI platform for obsolete or poorly designed universes



Budget conversion during routine maintenance and enhancement

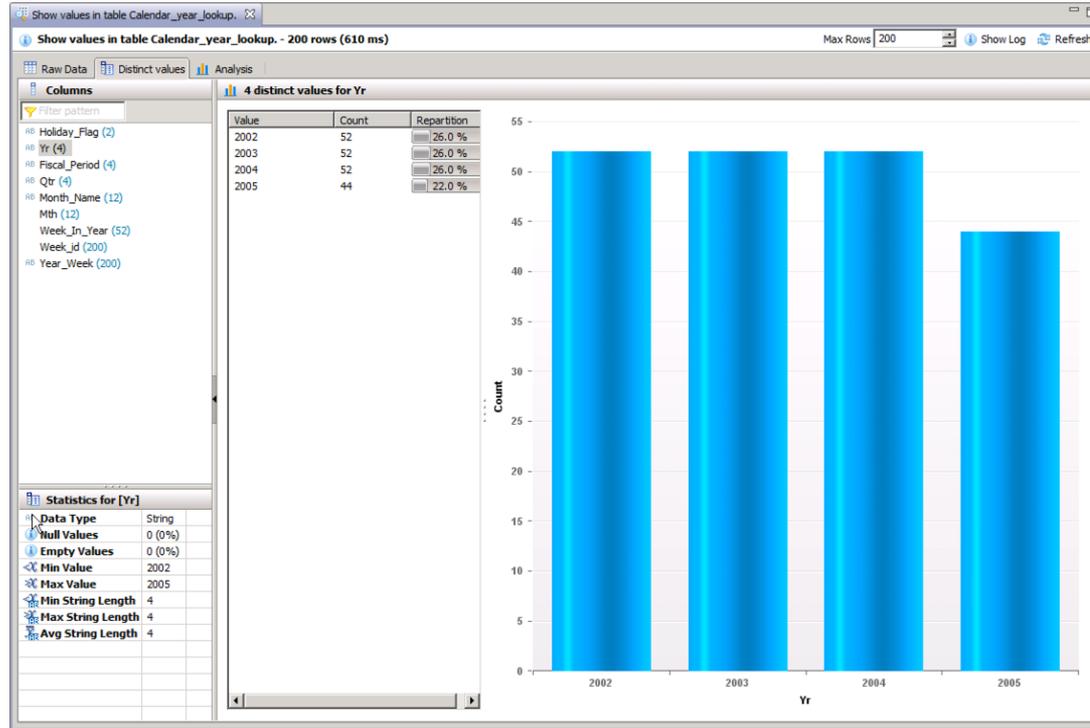
Read [*The Fate of the Universe Depends on You*](#) for more details.

Top 5 Information Design Tool Innovations - #1



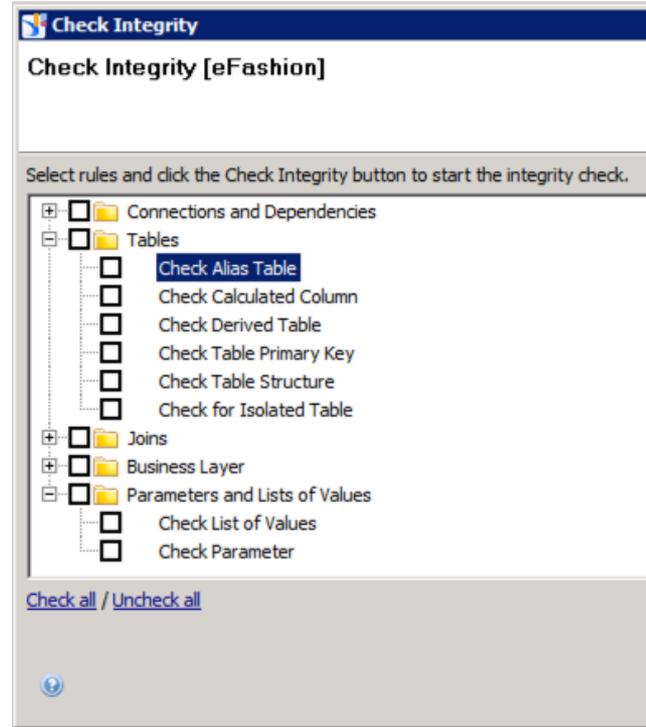
Multi-source universes

Top 5 Information Design Tool Innovations - #2



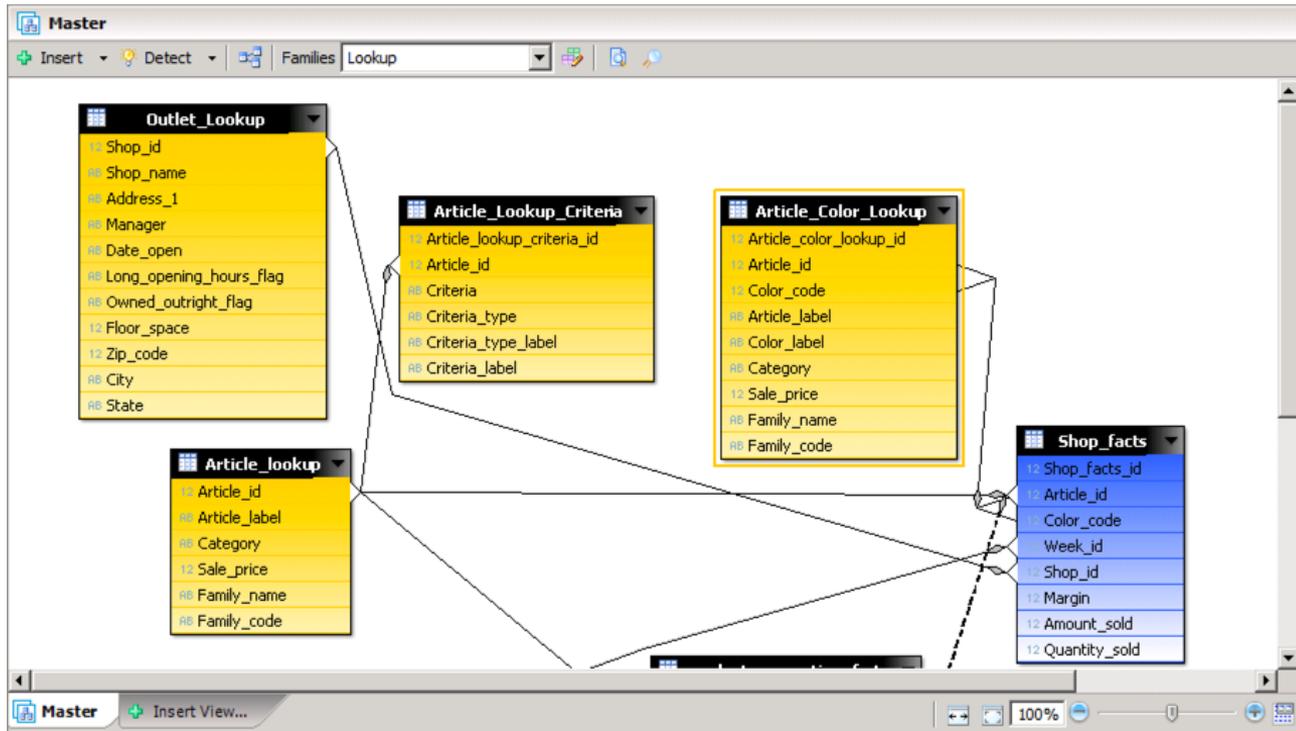
Data Profiling

Top 5 Information Design Tool Innovations - #3



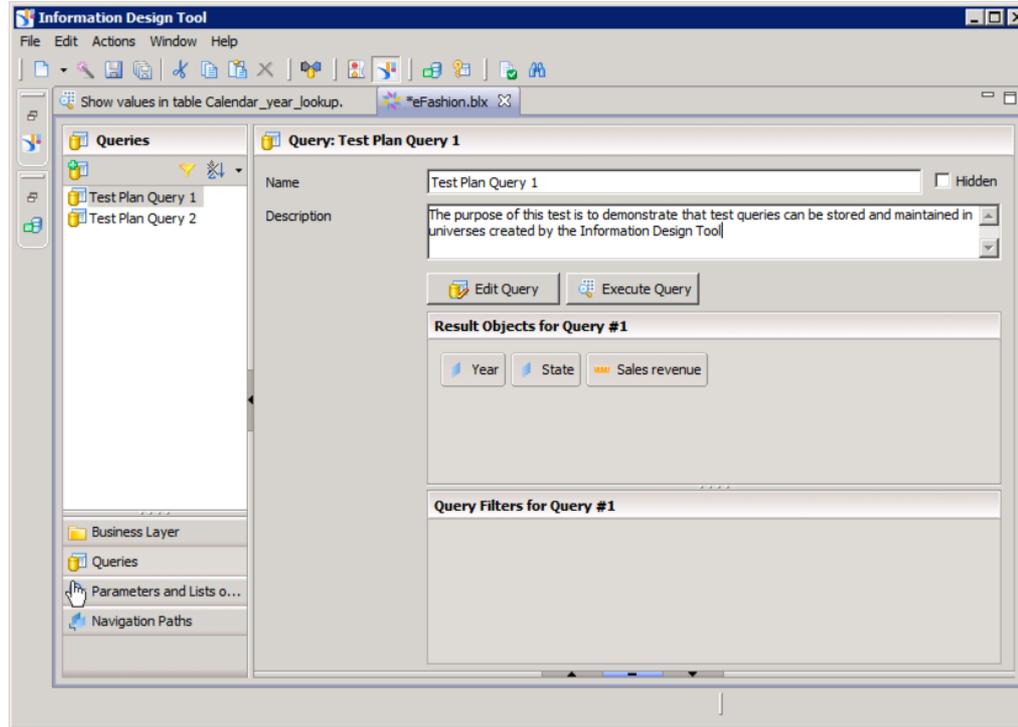
Vastly improved integrity checking

Top 5 Information Design Tool Innovations - #4



Color-coded data models for improved readability

Top 5 Information Design Tool Innovations - #5



Test suite integration into universe



Special thanks to Clint Vosloo, EV Technologies
Australia managing partner and SAP Mentor.

What's New in SAP BusinessObjects Enterprise 4.2?

Part IV: SAP IQ

Big Data Architecture

SAP HANA



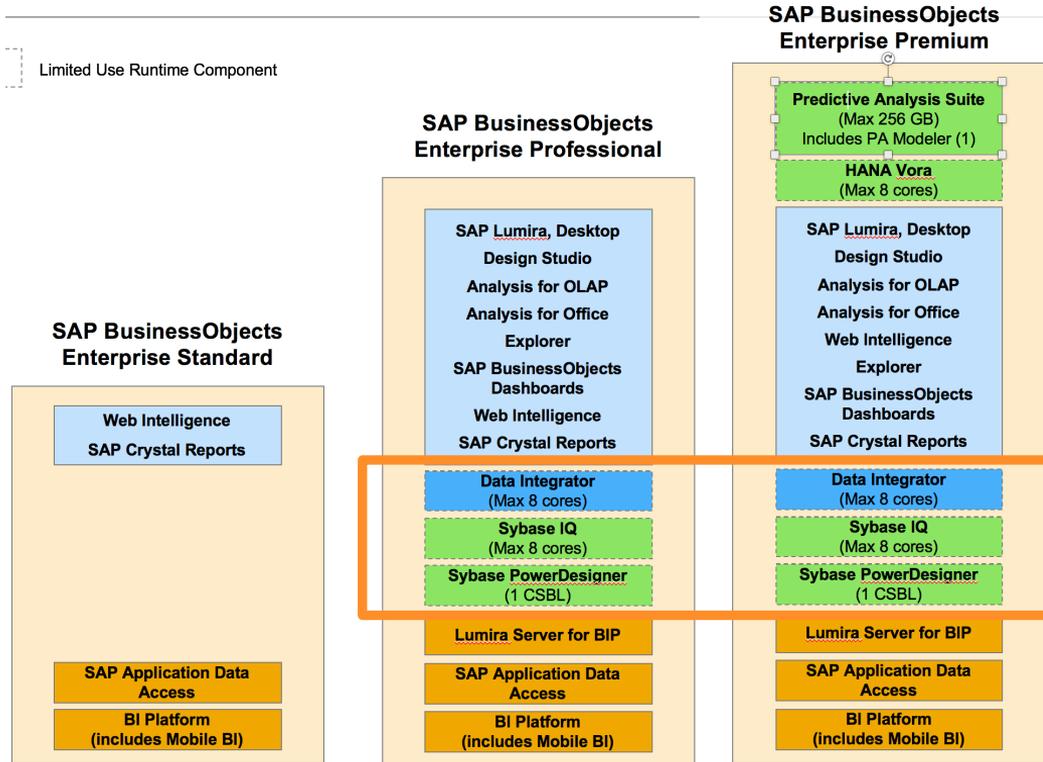
Big Data Appliance



???



Big Data to Go!



Professional and Premium packages include

- 8 cores Sybase IQ database
- 8 cores Data Integrator ETL
- 1 seat of PowerDesigner

Everything you need to upsize your existing enterprise data warehouse.



A column-based, petabyte scale, relational database software system

SAP IQ

SAP IQ's primary function is to analyze large amounts of data in a low-cost, highly available environment. SAP IQ is often credited with pioneering the commercialization of column-store technology; and holds two Guinness World Records.

It is designed specifically to excel in the following environments:



Advanced
Analytics



Data
Warehousing



Business
Intelligence

Customer value delivered by SAP IQ

- **SAP IQ** delivers speed and power for extreme-scale enterprise data warehousing and Big Data analytics with dramatic affordability and efficiency. It gives companies the ability exploit the value of massive amounts of data at the speed of business.

Simplified Architecture

Streamlined IT administration tasks and reduced IT workloads

- All your data runs on a single system
- Fewer copies of data

Enterprise Wide Analytics

Manage, analyze and benefit from all your data

- 360° view of information across business and social data
- Enable immediate ad hoc reports on real-time data

Big Data Insights

Comprehensive and flexible approach to Big Data

- Massive historical data storage
- Advanced analytics capabilities

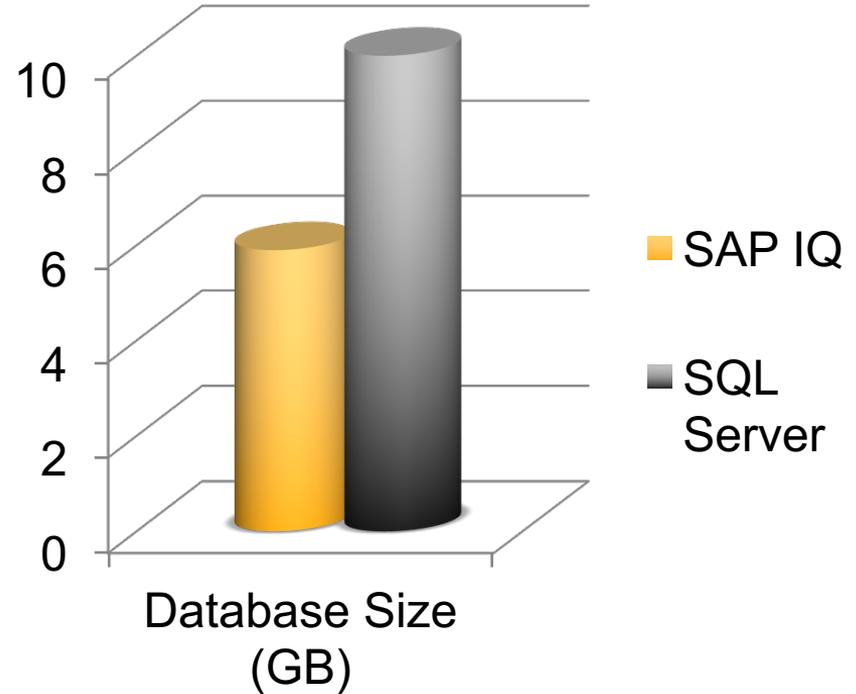
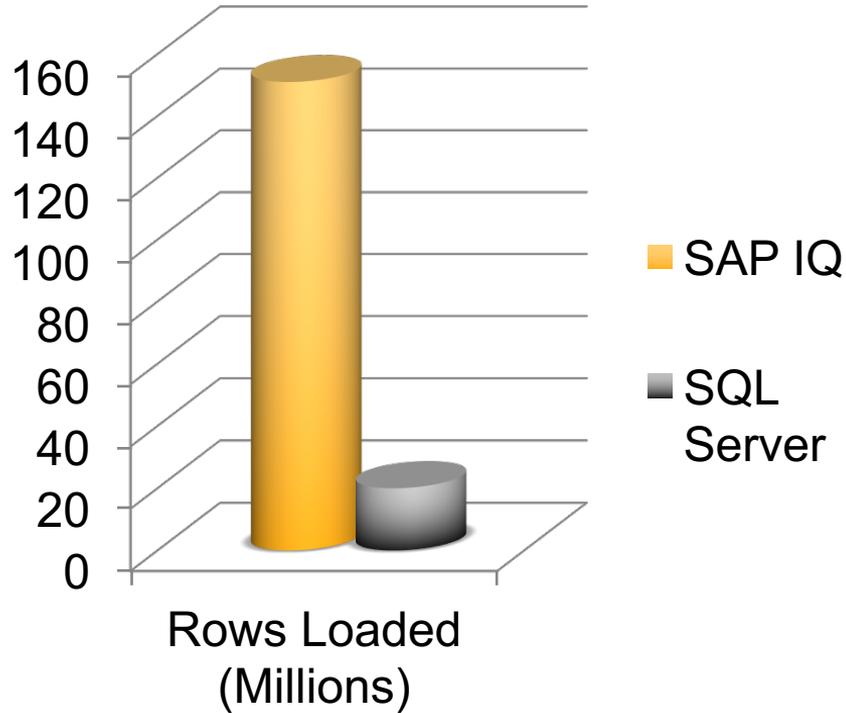
SAP IQ vs Microsoft SQL Server



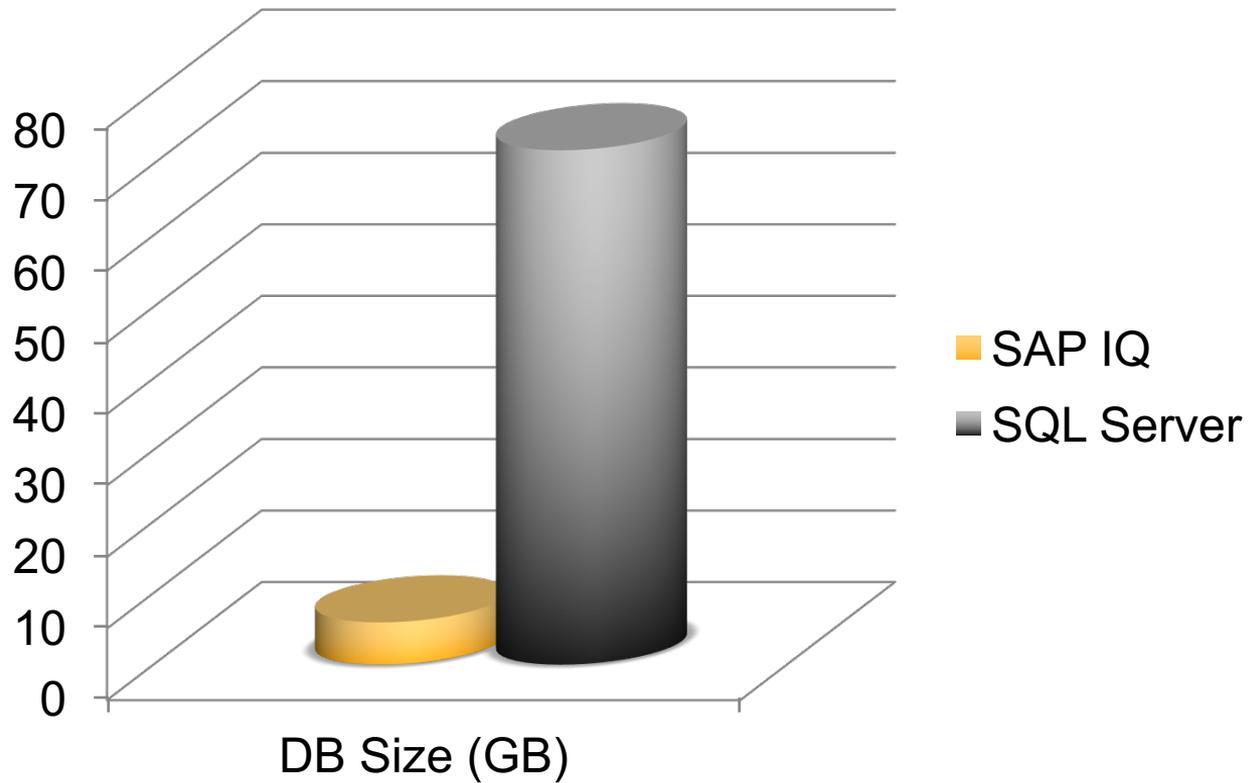
SAP IQ		SQL Server
Free - 16	Edition	Free - 2014
151 534 969	Rows Loaded	20 558 180
5.9 GB	Database Size	10 GB
6 ½ seconds	Average Query Speed	108 seconds

** No CPU's were harmed during this shoot out ...

SAP IQ vs Microsoft SQL Server - Shootout

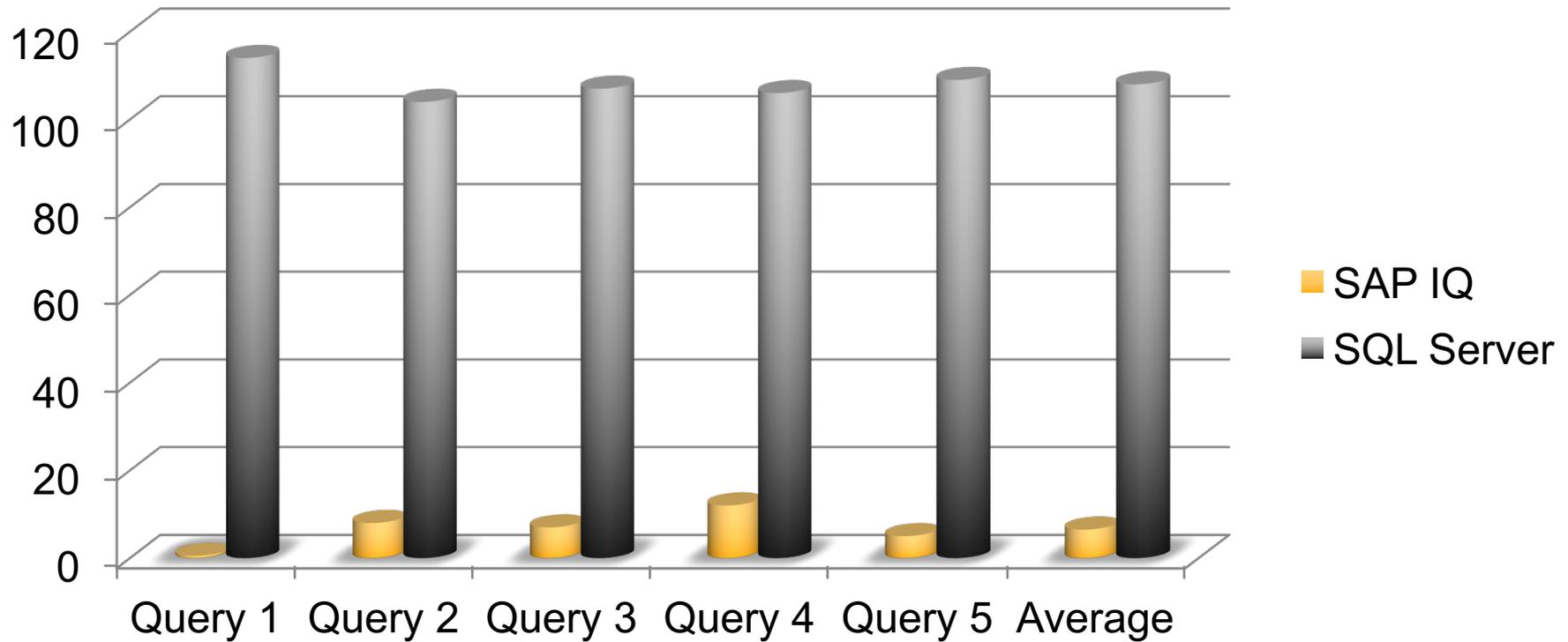


SAP IQ vs Microsoft SQL Server – Projected DB Size



** Based on 10 GB of storage for 21 million rows. SQL Server would use 72 GB for 151 million rows

SAP IQ vs Microsoft SQL Server – Query Speed (seconds)



** SAP IQ was on average 1662 % faster with **7 times more data** than SQL Server

SAP PowerDesigner

SAP PowerDesigner is an architecture & modeling tool for planning that aligns business with technology, provides any complex organization the capability to capture, design & communicate throughout business transformation

Capture

- Capture, or discover, information about current business & information technology & *capture the interaction between business & IT*

Design

- Design the enterprise future state, integrating technical & business transformation to *lead enterprise information & technology change*

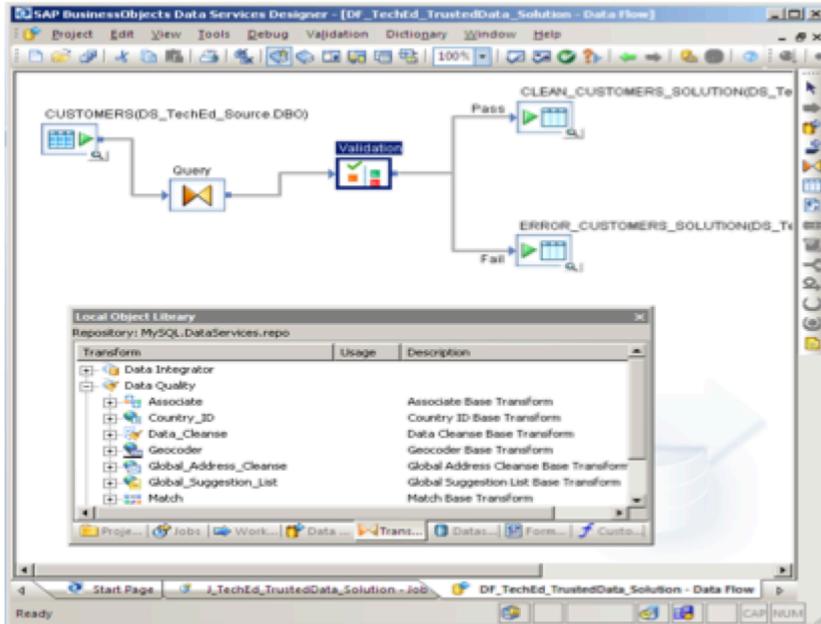
Communicate

- Communicate change impact to all stakeholders, collaborate in lock step to *follow the plan & implement the transformed enterprise*

With our unique **Link & Sync Technology**, SAP PowerDesigner is one of the most effective enterprise architecture modeling tools in the market today.

SAP Data Integrator

Integrate a variety of data from any source



Data Integrator is an enterprise-class ETL platform which enables users to rapidly develop and deploy data marts or data warehouses

Benefits of Data Integrator

- Agility and ease-of-use
- Extreme scalability to handle the largest movement of data
- Wide connectivity to different sources of data
- Powerful, pre-defined data transformation capability

“

- ✓ SAP Data Services is a “LEADER” in Data Integration and Data Quality Gartner Magic Quadrants
- ✓ SAP has 6500+ customers on our Data Integration and Data Quality solutions

SAP PowerDesigner Education and Certification



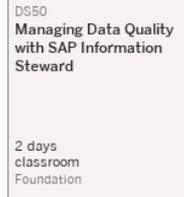
- DEV355 Data Modeling with PowerDesigner 16.5 (4 days)
- DEV523 Customizing and Extending PowerDesigner (2 days)
- DEV621 Enterprise Architecture Modeling with SAP PowerDesigner 16.5 (2 days)
- DEV524 SAP PowerDesigner Administration (2 days)
- **SAP Certified Technology Associate - Data Consultant for PowerDesigner 16.5**

Visit <http://training.sap.com> for more details.

SAP Data Integrator Education and Certification



or



- DS10 Data Services - Platform and Transforms (3 days)
- DS100 SAP Data Services Administration (2 days)
- **SAP Certified Application Associate – Data Integration with SAP Data Services 4.2**

Visit <http://training.sap.com> for more details.

SAP IQ Education and Certification

- EDB785 SAP IQ Administration (5 days)
- EDB795 SAP IQ Advanced Administration (4 days)
- **SAP Certified Application Associate - SAP IQ 16.0 Administration (C_SYIQA_16)**

Visit <http://training.sap.com> for more details.

What's New in SAP BusinessObjects Enterprise 4.2?

Wrap Up

Where to find more information

- [BusinessObjects BI Licensing Updates](#) – February 2, 2016 blog on SAP Community Network by Blair Wheadon
- [The Fate of the Universe Depends on You](#) – October 4, 2016 blog on EV Technologies
- [SAP Lumira Benchmark Whitepaper](#)



Thank you for joining us!



EV technologies

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Principal Pre-Sales Architect

SAP Mentor

dallas@evtechnologies.com