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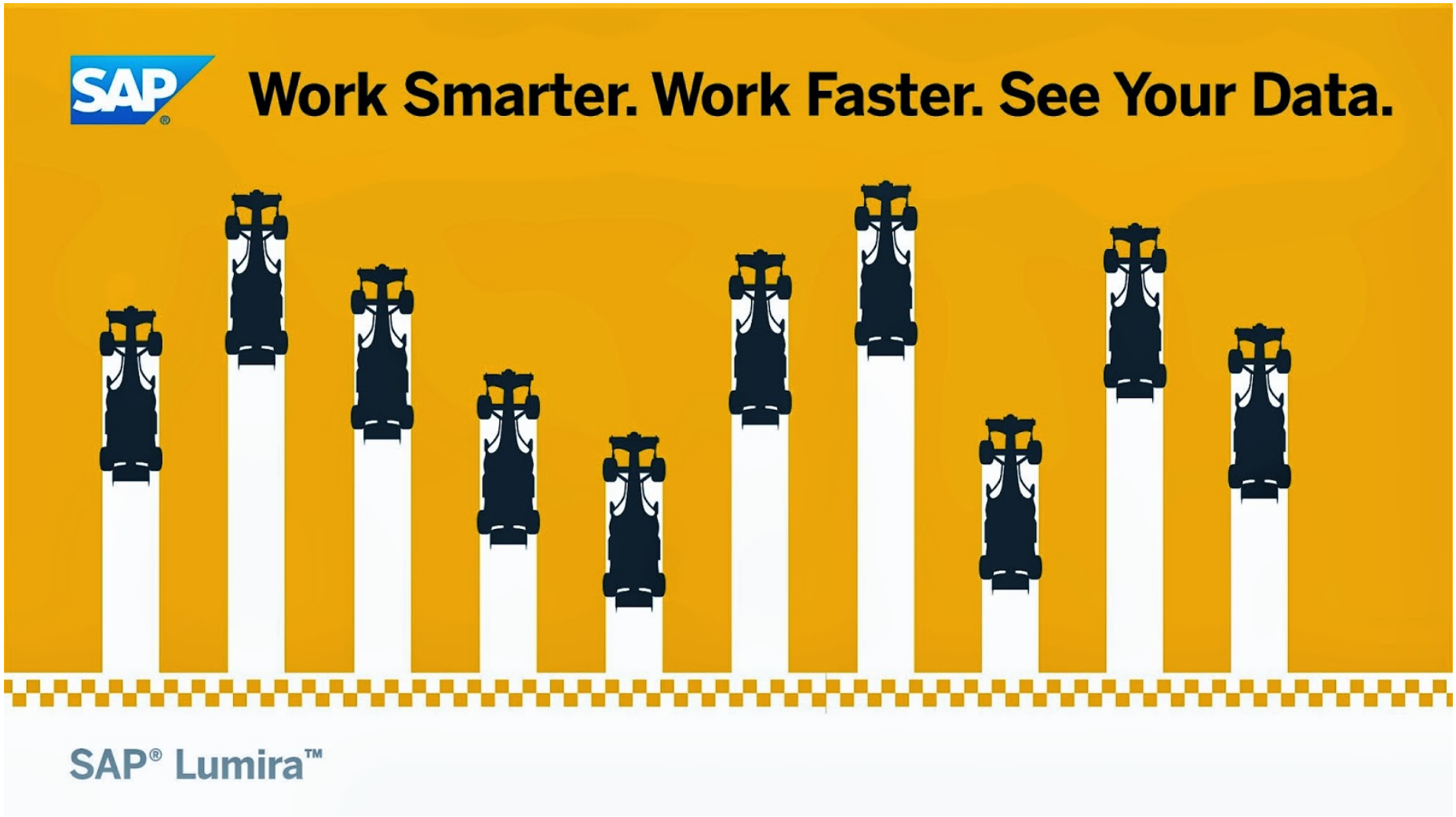
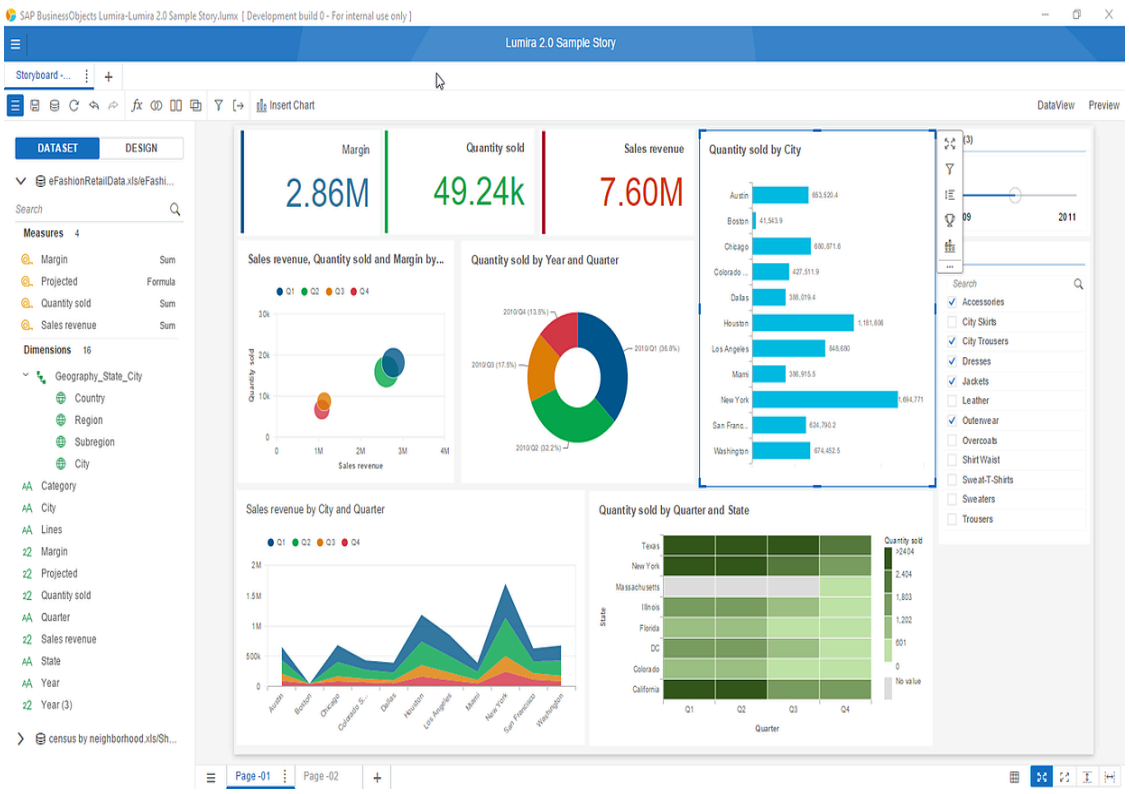


LUMIRA 2.0

August 2017

Agenda



- Introduction & Positioning
  - About Lumira and its significance in SAP Product Line
- Lumira 2.0
  - Lumira Discovery
  - Lumira Designer
- Upgrade Scenarios
  - Lumira 1.x to 2.x Upgrade
  - DS 1.x to LDsg. 2.0

Path – Case Study

- Infrastructure requirements
- Q&A - Conclusion

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Introduction: Lumira

NOT Sleep Aid!
That is Lunesta

Lumira – translates to
Light that Illuminates!

SAP Lumira
Ignite Creative Ideas

Lumira is an In-memory analytical tool
Retrieval of data and creation of graphics are on the fly
Lumira uses in-memory engine (formerly called Velocity Engine)

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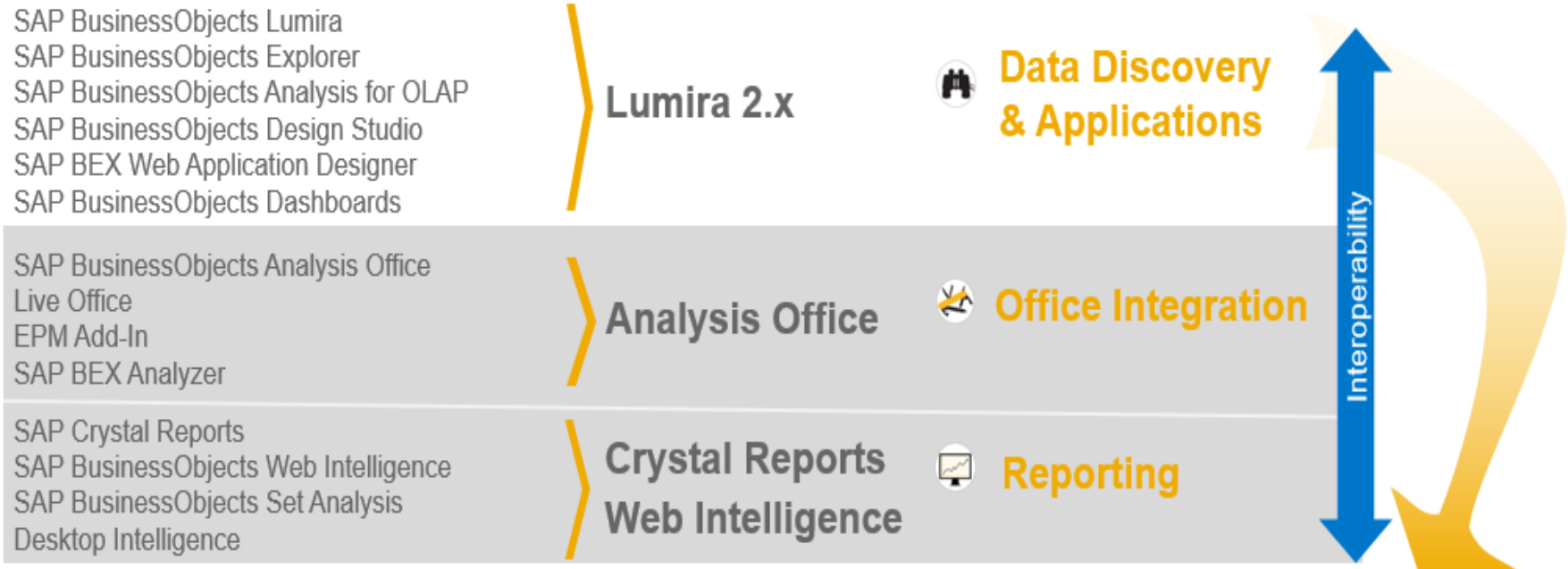
Introduction: SAP Product Line Consolidation



- ✓Retain simple, business user focused desktop tool & IT focused enterprise dashboard tool
- ✓Promote business user visualizations to enterprise dashboards
- ✓Changing requirements doesn't need a tool switch
- ✓Support for offline applications in designer
- ✓Combined server side add-on reduces IT administration cost
- ✓Improved ease of use & adoption with single canvas for both visualization and storyboard authoring.
- ✓Align with S/4 UI standard

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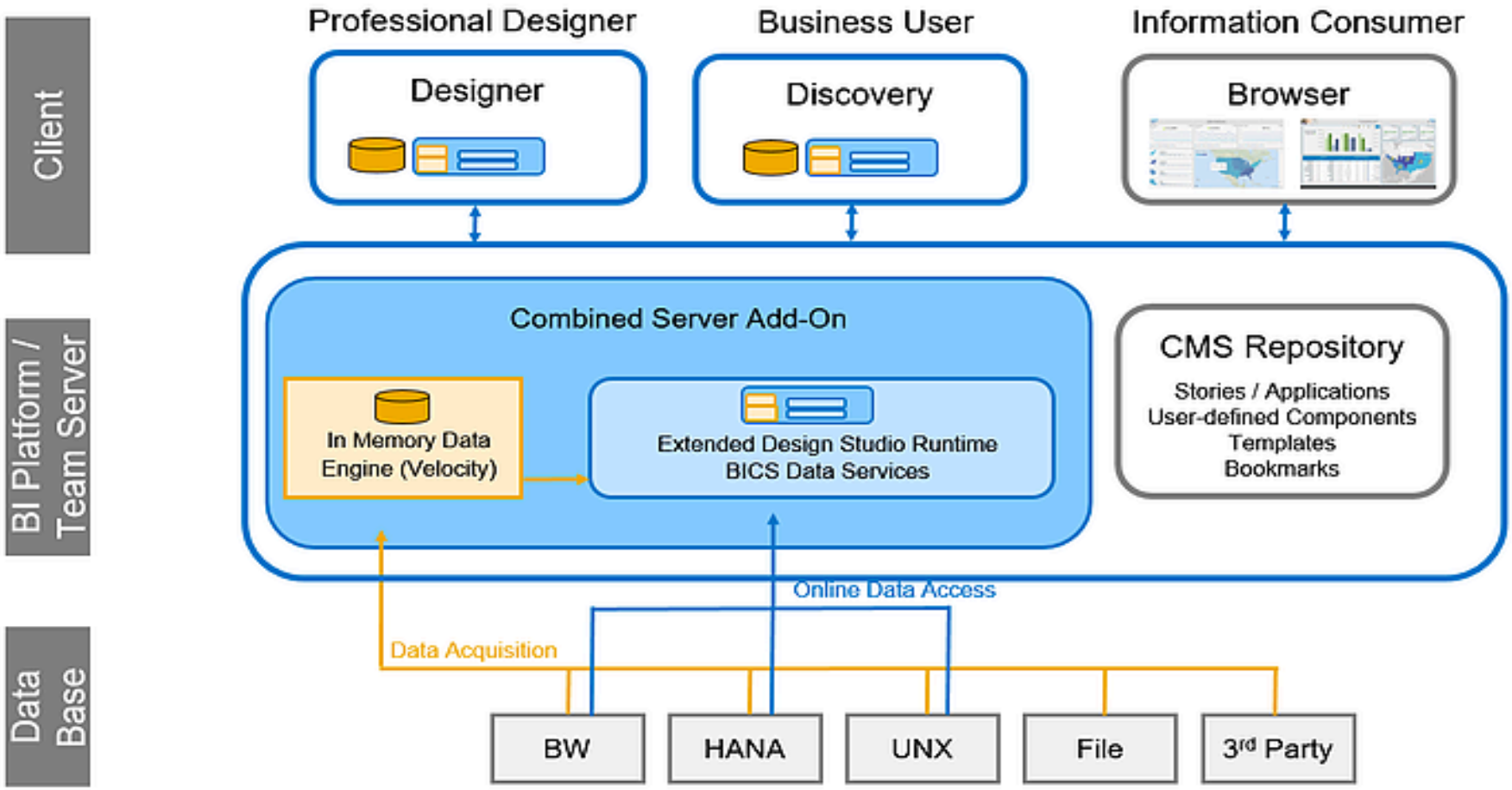
Lumira & Design Studio have converged!



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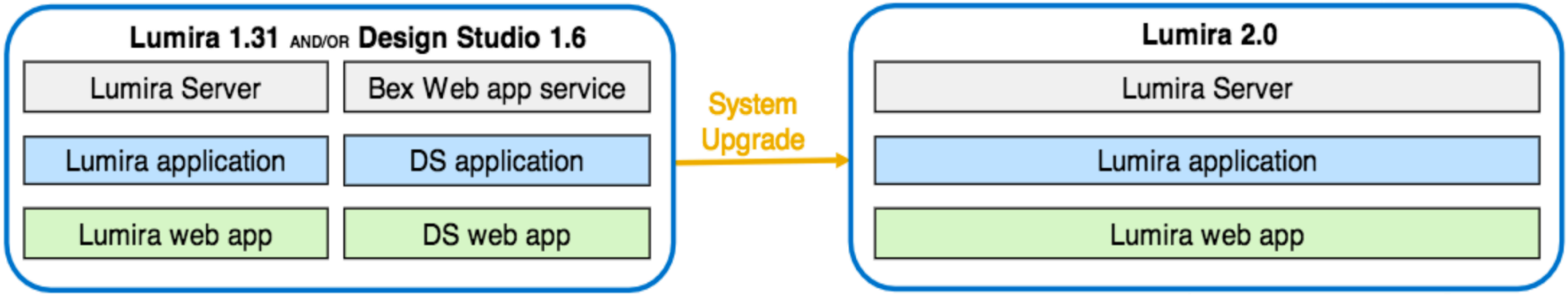
Conversion Benefits



- Lumira and Design Studio will share ONE combined server add-in
- 2 desktop clients optimized for different personas
- Design Studio gains offline BW connectivity on top of the online BW connectivity
- Lumira gains online BW connectivity (inheriting it from DS) on top of the offline connectivity
- Lumira Designer revamped bookmarks for DS 1.x. Promotion of bookmarks is now supported. Multiple books marks can be defined in one application.

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Introduction: Lumira Most Prominent Features

- Lumira 2.0 allows to build better analytics solutions faster than the previous generation Lumira / DesignStudio solutions
- High scalability – No data volume restrictions
- Bookmarking your visualization
- Improved input controls . Drag and Drop object to create input controls
- Live Connectivity to BW (data stays in BW)
- Simple converting charts to dual axis charts
- Filters on storyboard level, page level and (!) individual chart/graph level; multiple filter conditions
- Drag and drop filters to create input controls; measure slider & date picker
- Drillable cross-tabs with full drag/drop/swap function; scaling factors for measures
- Options for showing labels as value, percentage or both
- Increasing and decreasing color customization for waterfalls

Data Sources

55

Visualizations

70+

Visual Extensions

100+

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Installation scenarios

- Case 1: Have BOBJ Server and no Lumira and DS Add-on -- Straight forward approach install Lumira 2.0 SP2 server add-on full install.

- Case 2 : Have Lumira 1.x on BOBJ Server – Apply Lumira 2.x Patch add-on on server.

- Case 3 : DS 1.x is on BOBJ server and No Lumira Installed – Apply Lumira 2.0 SP2 Full Install on server (After Install Design Studio Services can be stopped and Deleted. All the requests will be handled by Lumira Servers)

- Case 4: DS 1.x and Lumira 1.x is on BOBJ server – Apply Lumira 2.x Patch add-on on server (After Install Design Studio Services can be stopped and Deleted. All the requests will be handled by Lumira Servers) – Recommendation is not to uninstall DS 1.x and Lumira 1.x

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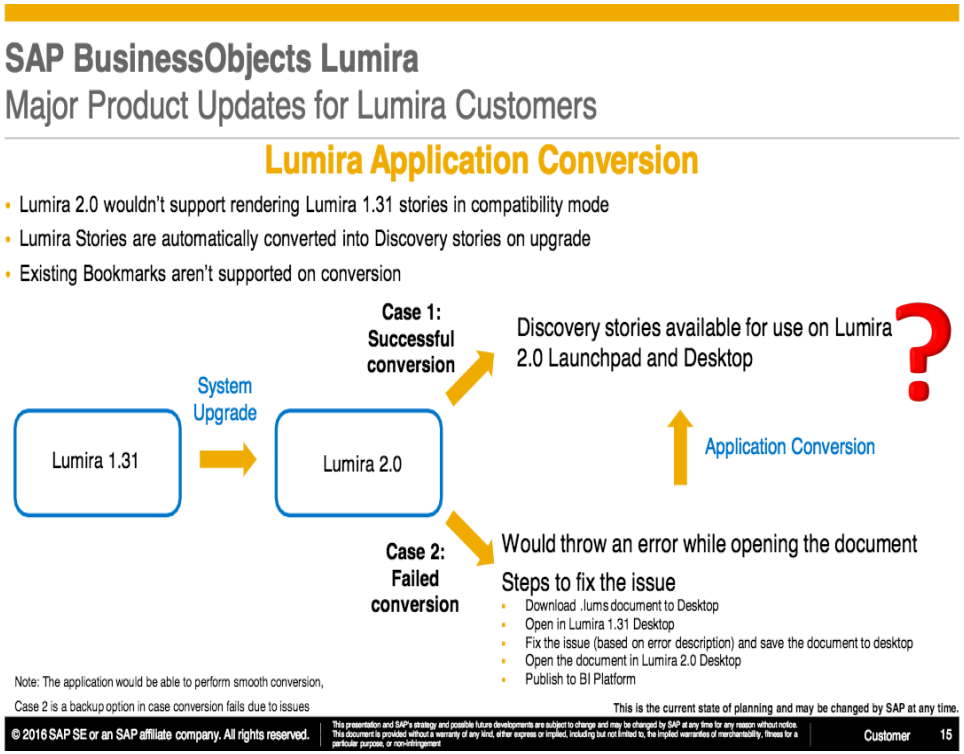
Upgrade steps FOR Lumira 1.x customers



After the Lumira 2.0 Server Add-on upgrade you no longer see the Lumira documents unless…you install Lumira 1.31.8

Lumira 1.x to 2.0 conversion Steps

- Take a BIAR backup of Lumira 1.x documents
- Install Lumira 1.31.8 Version of designer
- Lumira 1.31.8 has conversion tool. Launch Lumira 1.31.8 and connect BOBJ environment you should be able to see it from here. Open and from menu click save for conversion
- Now open Lumira 2.0 discovery and open the documents that are saved for conversion (Lumira Designer 1.x & Lumira 2.0 Discovery can be installed on same machine side by side)

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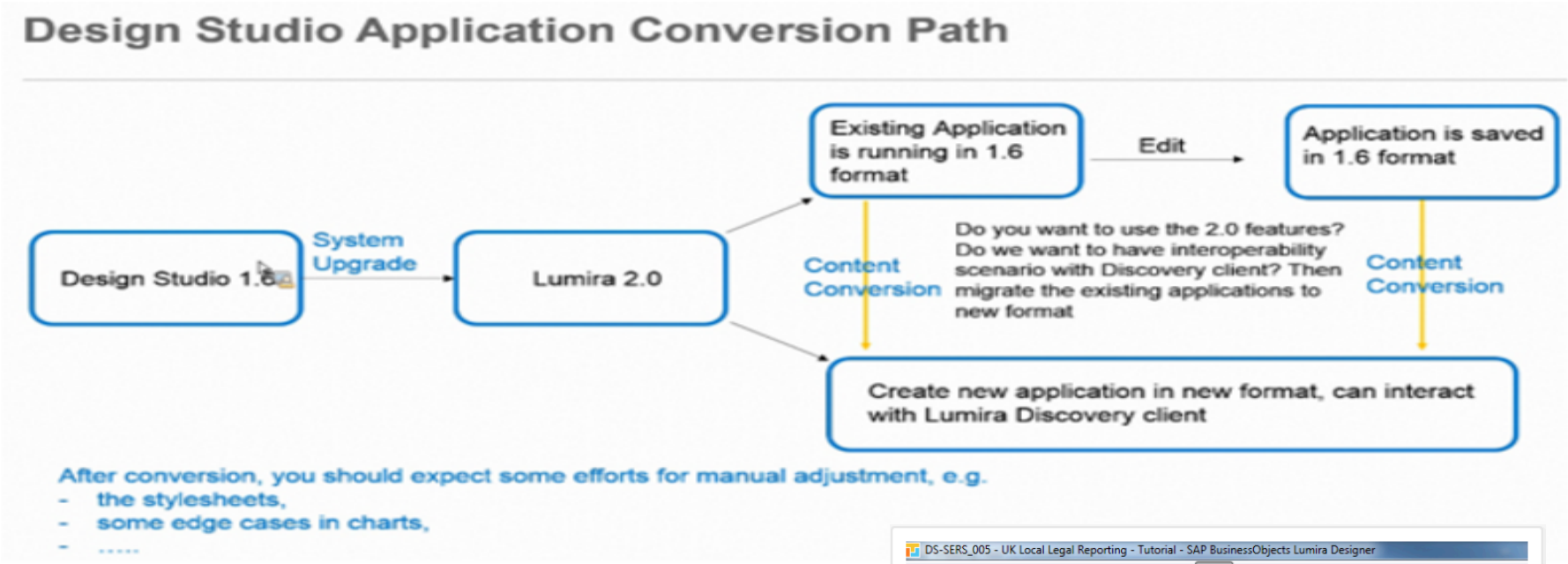
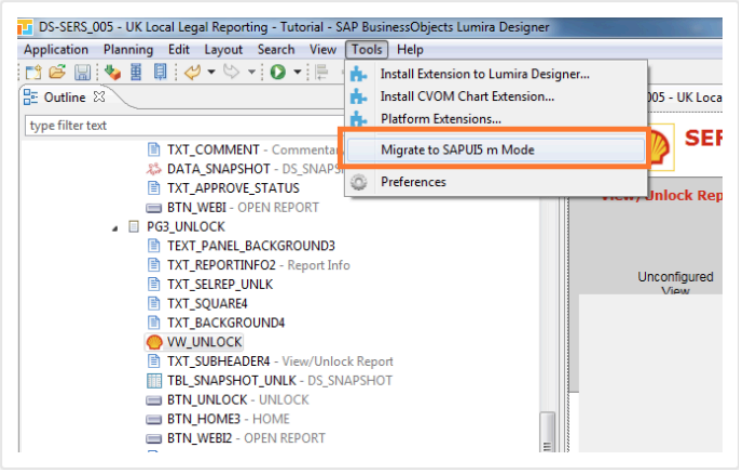
Upgrade steps – Design Studio –Lumira Designer



1.Convert all the components from SAPUI5 common to SAPUI5 main rendering mode (only required for applications that are in SAPUI5 common mode)

2.Create a .LUMX file and import the 1.6 application.



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Infrastructure

Sizing Guidelines

Lumira Sizing depends on following factors:

Complexity of documents

Data Volume

Complex analytical scenarios – Predictive etc.

Minimum Server version required BI 4.1 SP7+

Ideal - BI 4.2 SP2+

Recommended to start with 32 GB + 4 CPU for 25 ACU. It depends on Document size and Cell count

Merged data sets are more complex to process, and can require more memory and processing resources.

For large scale deployments its recommended to have Lumira on dedicated server.

SAP BusinessObjects Lumira, server version for BI Platform allocates a maximum of 85% of the allocated memory for Lumira.

In case if memory exceeds (GT 85%) Lumira engine unloads the resources to the disk to work normally. Enable switch Lumira server: -Dhl.memoryconfig=2

Lumira docs based HANA online , memory will be used from HANA not from Lumira

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Q&A & Conclusion

✔ 100% ✔ 75% ✔ 25%

Functionality	Self Service	Data Visualization	Predictive Analysis	Custom Formula's	**Report Scheduling**	**Formatted Tabular Reporting**	**Hierarchical Capabilities**	**Geo Mapping**
Web Intelligence	✔	✔	✔	✔	✔	✔	✔	✔
Crystal Reports	✔	✔	✔	✔	✔	✔	✔	⊘
Lumira 2.0	✔	✔	✔	✔	✔	✔	✔	✔
Analysis for Office	✔	✔	✔	✔	✔	✔	✔	⊘

Lumira Designer and Discovery provide the ability to create Professional Applications and Versatile Data Viz capabilities under a singe platform.

The product line is finally positioned to be a viable competitor to other tools in the market.

Lumira 2.0 is stable, scalable and is now GA.

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