

The Semantic Layer and BI 4 Migration

Agenda

- Introduction
- BI 4.1 Semantic Layer Update
- Semantic Layer Migration Discussion
- Semantic Layer Conversion Automation
- Q & A
- Wrap Up



About APOS Systems

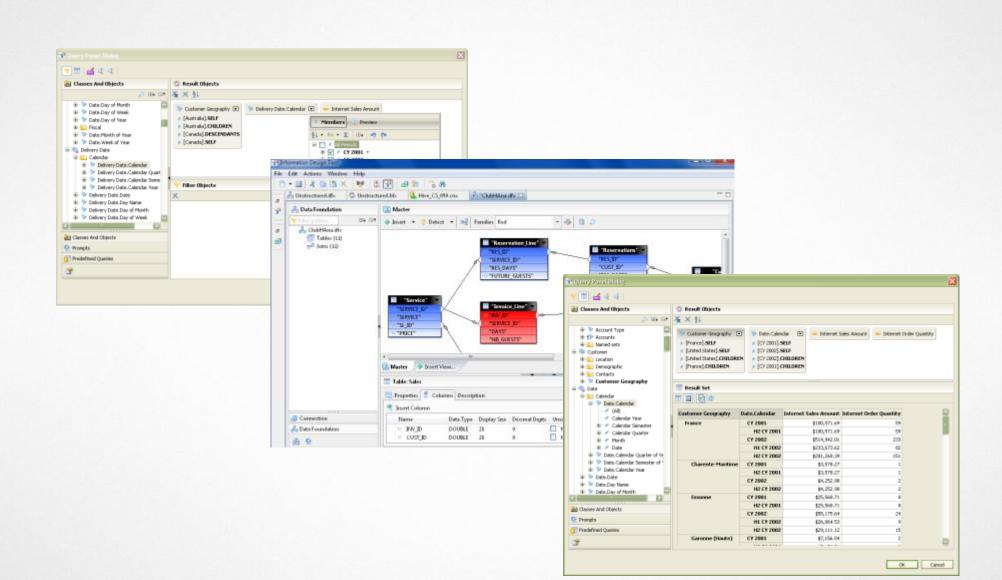


- APOS Systems Inc. formed in 1992
- Focus on SAP BI solutions
- Solutions and products enabling BI platform management, administration and migration
- Simplifying, automating, extending the SAP BusinessObjects platform
- Strategic SDK development and consulting
- Hundreds of customers globally



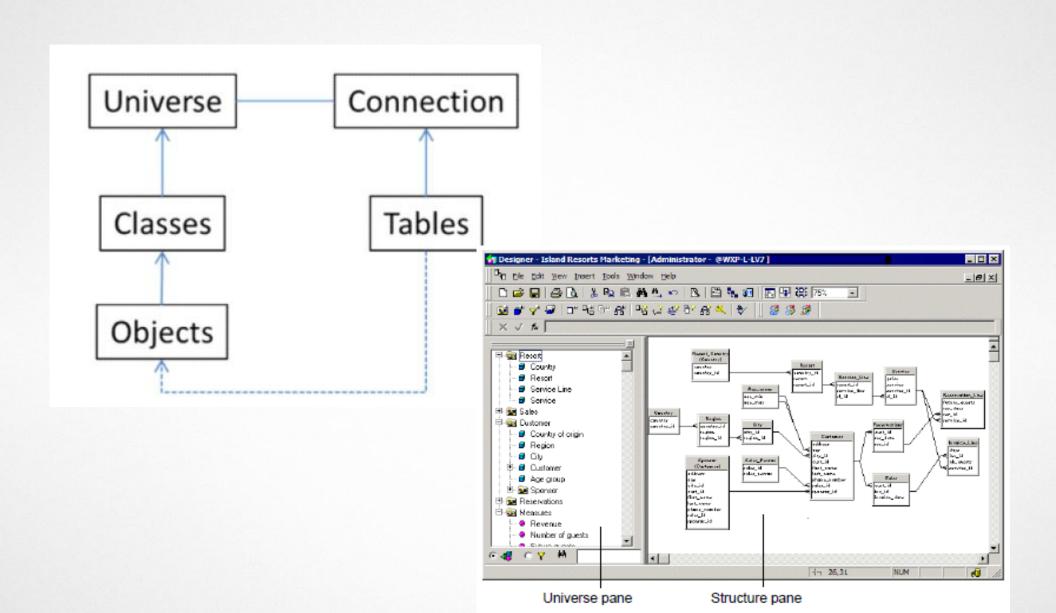






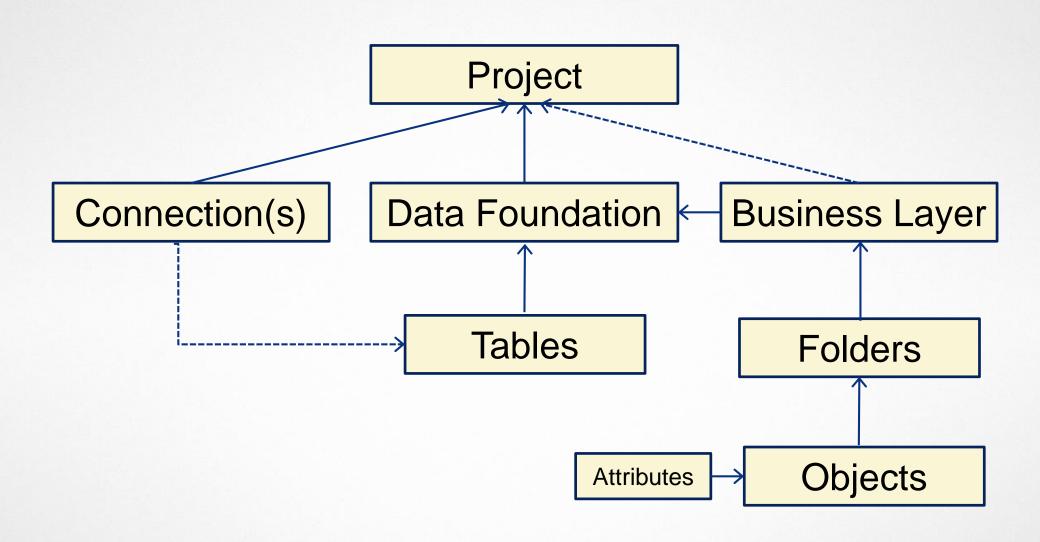
Old Workflow for .UNV





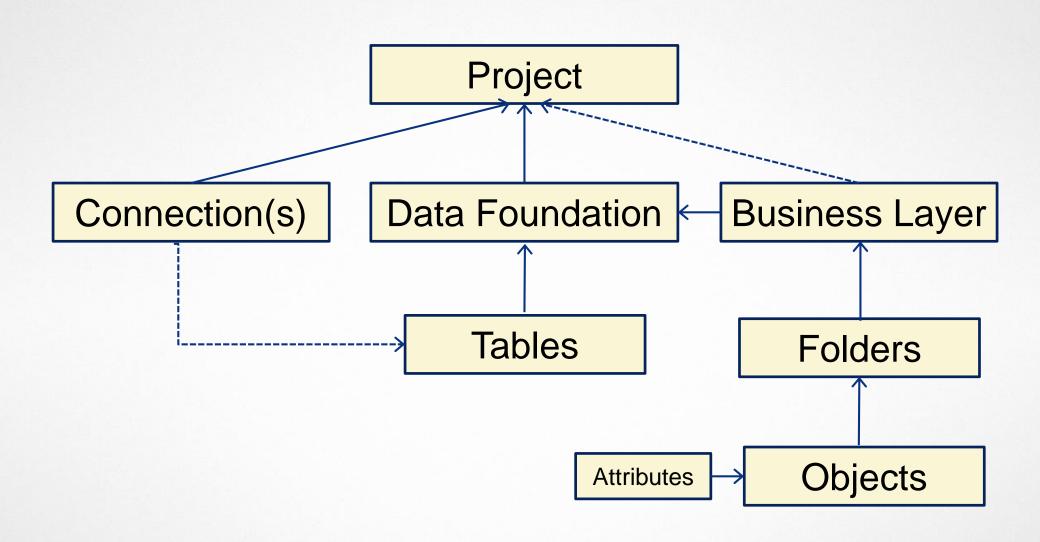
New Workflow for .UNX





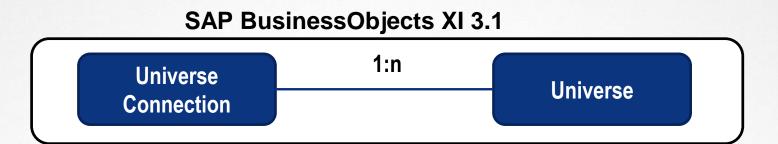
New Workflow for .UNX





New Workflow for .UNX - continued

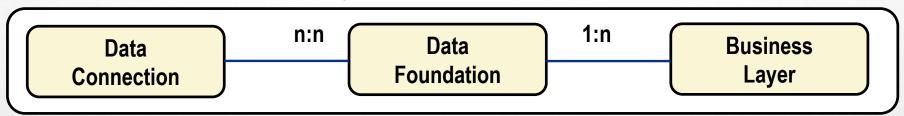




SAP BusinessObjects BI 4.1 – Single-Source Universe



SAP BusinessObjects BI 4.1 – Multi-Source Universe



Security Setting Changes



Specific Rights for Information Design Tool	Implicit Value	0	8	<u> </u>		D _a
Administer security profiles	Granted	0	0	•	4	~
Compute statistics	Granted	0	0	•	4	~
Create, modify, or delete connections	Granted	0	0	•	√	~
Publish universes	Granted	0	0	•	4	~
Retrieve universes	Granted	0	0	•	√	~
Save for all users	Granted	0	0	•	√	~
Share projects	Granted	0	0	•	√	~



Opportunities:

- Multi-source universes
- New design SDK
- New consumption SDK



Opportunities:

- BI Dashboards, Design Studio, Lumira, Crystal Reports Enterprise support
- Teams can work on same universe
- Semantic layer for the future
 - Vendor development focused on UNX



Challenges:

- Currently no linked universe support
- Must use ANSI 92 SQL with Multiple Data Sources



Challenges:

- Not all UNV can migrate to UNX
 - No OLAP Universes conversion
 - No Stored Procedure Universes conversion
 - No conversion of UNV based on Data Federator
- QaaWS, Live Office, CR 2011/13 UNV ONLY

Universe Support



SAP BI Content Type	UNV Support	UNX Support
Web Intelligence	✓	✓
Crystal Reports 2011/2013	✓	
Crystal Reports Enterprise		✓
SAP Dashboards 4 (Xcelsius)	✓ (QaaWS)	✓
Design Studio		✓
Lumira	✓	✓
Explorer	✓	✓
Live Office	✓	
Predictive Analysis	✓	✓

Maintenance Tips for UNX



Category	Notes
Readability	All metadata (class names, object names & descriptions) should use business terminology
Usability	Re-use Business Logic
Usability	The universe should be created from the end-user perspective
Usability	Avoid creating the same objects as a Measure and a Dimension, unless the distinction is known to the end user

Maintenance Tips for UNX



Category	Notes
Usability	Create Object Formatting for Dates
Usability	Create Object Formatting for Currency
Usability	Custom Hierarchies should be created based on end-user requirements
Usability	Object Names should be unique in the universe, and not repeated
Functional	Avoid unconnected tables, unless you've clearly documented their purpose in the universe
Functional	Avoid using LEFT OUTER joins where possible

The UNX Universe - Resources



- Video Tutorial Series
 - http://scn.sap.com/docs/DOC-8461
- Universe Design with SAP BusinessObjects BI: The Comprehensive Guide
 - SAP Press: http://bit.ly/1mJtTyn
- Semantic Layer Update Webinar with Pierpaolo Vezzosi of SAP
 - http://www.apos.com



Moving ahead:

3 possible choices to the UNX question



- Stay fully on UNV
 - No immediate action
 - Falling behind, not current technology
 - Missing opportunity with new capabilities



- Move fully to UNX
 - New capabilities and staying current
 - Updating skill sets
 - Universe conversion effort
 - Report re-pointing effort



- Run both UNV and UNX, new development on UNX
 - Transition phase
 - Get exposure to UNX, retain current UNV to start
 - Double Maintenance
 - Field change maintenance
 - New reports on old UNVs
 - Two tool sets
 - Two skill sets
 - Two documentation sets
 - Two testing processes



- Stay fully on UNV
- Move fully to UNX
- Run both UNV and UNX

APOS Web Intelligence Migrator





APOS Web Intelligence Migrator

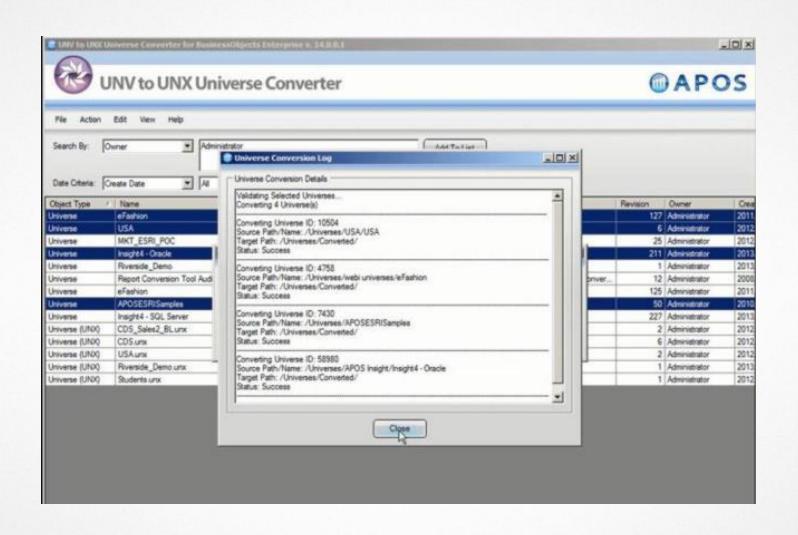


High volume conversion from UNV to UNX High volume repointing of Web Intelligence reports to new UNX universes

- Bulk conversion of universes from UNV to UNX
- Re-point Web Intelligence reports from UNV universes to UNX universes
- Update existing reports or create a new copy in the desired location and naming convention
- Convert UNV to UNX and re-point Web Intelligence reports in a single, twophase process
- Log conversions and issues

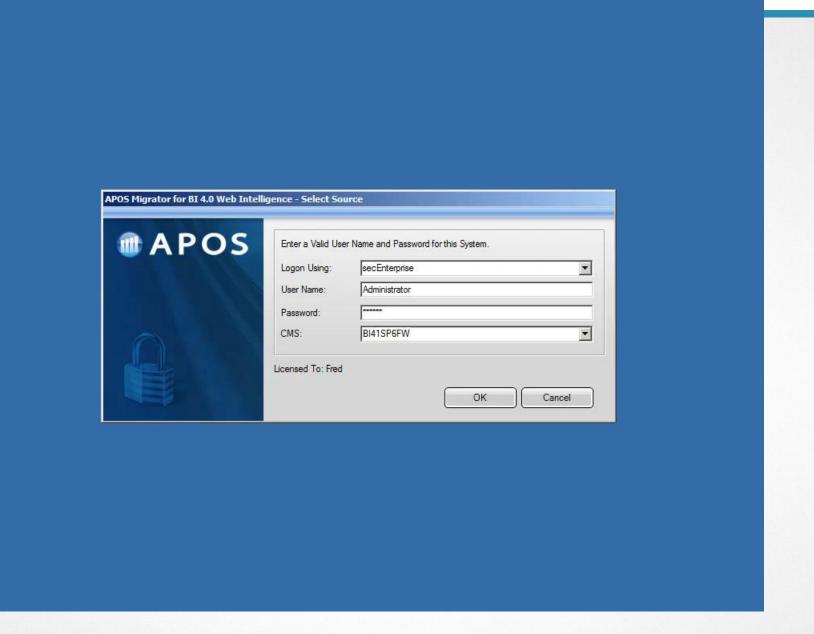
APOS Web Intelligence Migrator





APOS Web Intelligence Migrator - Demonstration





APOS Validation Manager





APOS Validation Manager



APOS Validation Manager automates comparison testing and validation of reports during SAP BI migrations and service pack upgrades. Dramatically streamline the

Validation Manager automates the process of answering these questions:

- Is the data of my newly run reports the same?
- Is the data of my historical instances the same?

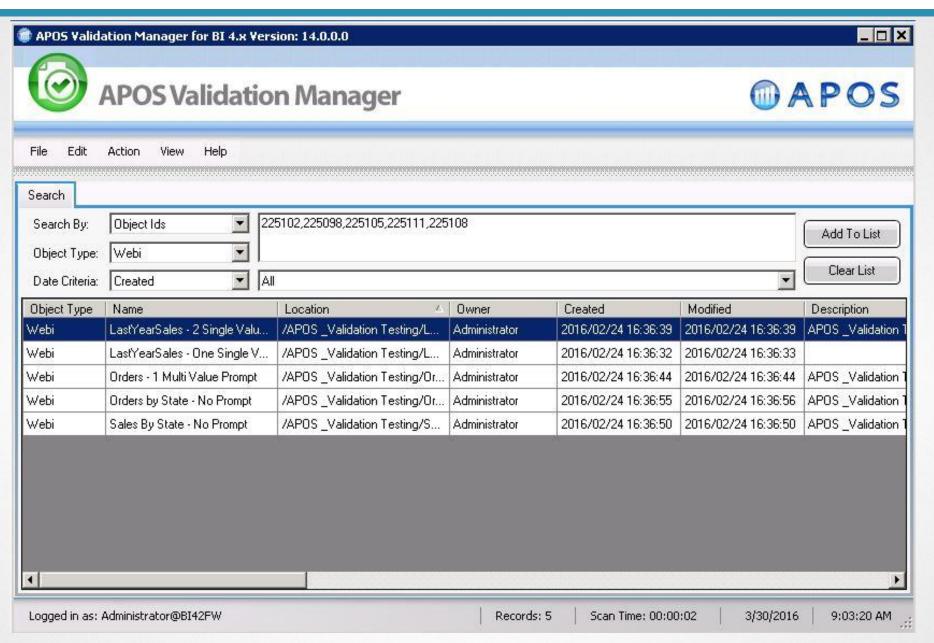
Reduce migration costs
Reduce migration timelines
Increase confidence and assurance
Increase flexibility for migrations and upgrades

- SAP BI 4.1 to 4.2 migrations
- Service Pack upgrades within SAP BI 4.x



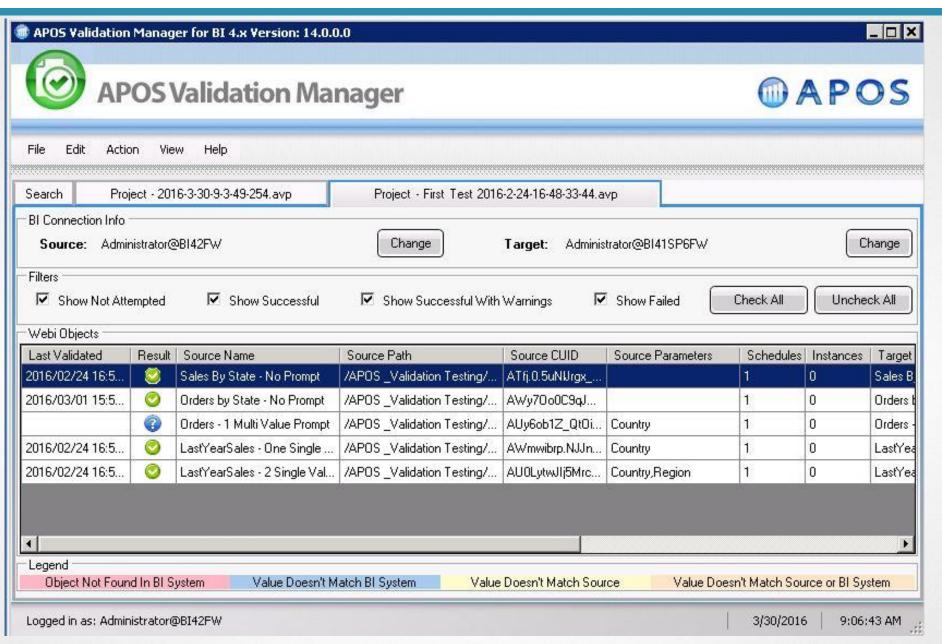
APOS Validation Manager - Demonstration





APOS Validation Manager - Demonstration





APOS Solutions



- APOS Migrator for Web Intelligence
- APOS Validation Manager
- APOS Migrator for Crystal Reports

APOS Well Managed BI Solutions



Take command of your BI deployment



InsightSystem analysis and monitoring



Administrator
Automated administration and management



Storage CenterArchive, backup, versioning, selective restore



IDACBI Query Governance



Publisher
Document Bursting, consolidation and delivery



Adoption Accelerators
Speed and simplify adoption of new BI options



Data Gateway
Expanded data source and data transformation options



Semantic Data Driver
Expanded connectivity to semantic layer



Validation Manager Validating SAP BI Content, Appearance, Functionality & Calculations

Upcoming Events



- Webinar Delivering Better Healthcare BI with Advanced Query Management
 April 7, 2016 Minding the Gap between the BI & Data teams
- Webinar What's New in SAP BI 4.2
 April 28, 2016 SAP's Sathish Rajagopal joins us to discuss what's new in SAP BI 4.2

Register at <u>www.apos.com</u>

