Building a Universe with the SAP BusinessObjects BI 4.0 Information Design Tool

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Abstract and learning points

Learn about the new architecture of the BI 4.0 semantic layer and follow step-by-step how to create a UNX universe.
Attend this live demo session, and ask any question you want to better understand how to benefit from the new semantic layer technology

- See how to use the information design tool to build a universe
- Learn the architecture of the SAP BusinessObjects BI 4.0 semantic layer
- Take away tips and tricks of BI 4.0 universe design.
DEMO !
Questions?

- Contact information
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The information in the appendix is for your reference. All items will be discussed live during the demo.
Building a universe: sample workflow

- Create a new project or use an existing one
- Connectivity:
  - Either: create a new connectivity (and publish it if you will work with the BI 4.0 platform)
  - Or: retrieve the connection shortcut from a published connectivity
- Data Foundation
  - Build the data foundation on the selected connectivity (multiple connectivity for a multi-source data foundation)
- Business Layer
  - Build the business layer on the selected data foundation
- Universe
  - Publish the business layer as a universe (locally or on the platform)
Connections management: Connections and shortcuts

Local project

Server published resources

Publish

Retrieve shortcut
Connections management

Local project

Server shared projects

Best practice: If possible, always define your connection on the server and retrieve and synchronize shortcuts.
Choosing the correct Data Foundation type

- **Best practice:** always use the single source data foundation type unless you really need multiple sources or access to a non-standard relational source.
View data anywhere

- In the connection definition
- In the data foundation
  - View table values
  - View column values of multiple joined tables
- In the business layer
  - View values of objects
  - View list of values
  - View data in queries
Business Layer: solving loops
Business Layer: solving loops

1. Detect Cardinalities
2. Display Loops (optional)
3. Detect Aliases
4. Detect Contexts
Business layer: building a hierarchical list of values

- Build the hierarchical list of values then reuse it:
  - As an object LOV
  - In a prompt
Business Layer: building a cascading prompt

- Recursively build LOVs and Prompts based on those LOVs
- Reuse the topmost prompt (the leaf) in a filter
Business Layer: building a cascading prompt

Region ? Prompt

Region LOV

Where:

Country ? Prompt

Country LOV
Thank you for participating.

Please remember to complete and return your evaluation form following this session.

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