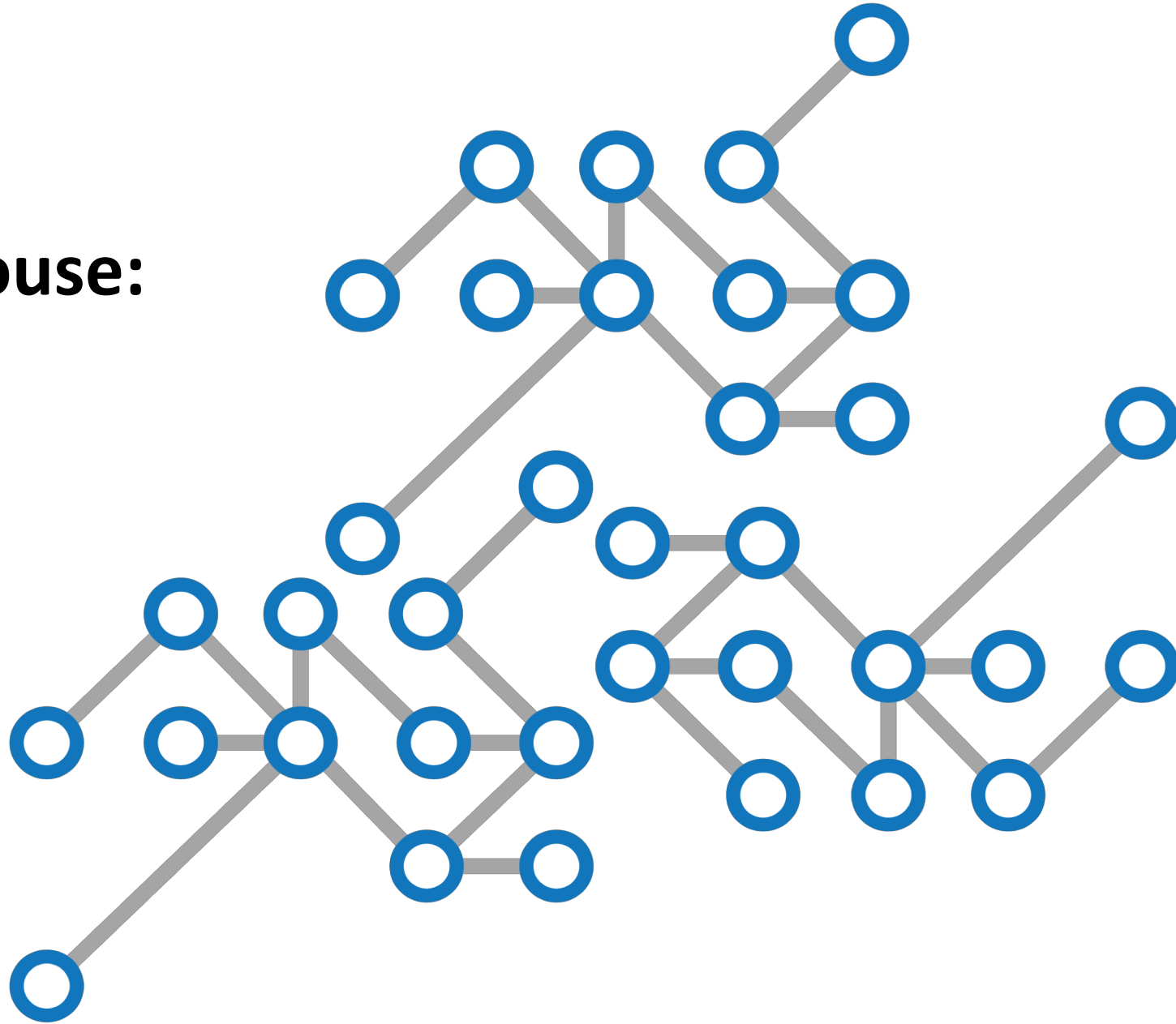


MASTERCLASS

The Logical Data Warehouse: Design, Technology and Architecture

With
Rick van der Lans

Hosted by
Simplicity BI



Agenda

8.30am	Arrive Breakfast and beverages provided
9.00am	Session 1 start
10.15 – 10.30am	Break
10.30 – 12.00	Session 2
Noon	Lunch and beverages provided
1.00 – 2.20pm	Session 3
2.20 – 2.30pm	Break
2.30 – 4.00pm	Session 4



Curriculum:

1. Challenges for the Classic Data Warehouse

- Integrating big data with existing data and making it available for reporting and analytics • Supporting self-service BI, self-service data preparation, and data science
- Faster time-to-market for reports
- Polyglot persistency – processing data stored in classic SQL, Hadoop, and NoSQL systems • Operational Business Intelligence, or analyzing zero-latency data

2. The Logical Data Warehouse Architecture

- The essence: decoupling of reporting and data sources
- From batch-integration to on-demand integration of data
- The impact on flexibility and productivity – an improved time-to-market for reports
- Examples of organizations operating a logical data warehouse
- Can a logical data warehouse really work without a physical data warehouse?

Curriculum Continued:

3. Implementing a Logical Data Warehouse with Data Virtualization Servers

- What is data virtualization?
- Market overview: AtScale, Cirro Data Hub, Data Virtuality, Denodo Platform, FraXses, IBM Data Virtualization Manager for z/OS, RedHat JBoss Data Virtualization, Stone Bond Enterprise Enabler, and Tibco Data Virtualization
- Developing a logical data warehouse with Microsoft Azure and SQL Server
- Importing non-relational data, such as XML and JSON documents, web services, NoSQL, and Hadoop data
- The importance of an integrated business glossary and centralization of metadata specifications

4. Improving the Query Performance of Data Virtualization Servers

- How does caching really work?
- Using caching to minimize interference on transactional systems
- Speeding up queries by caching data in analytical SQL database servers
- Which virtual tables should be cached?
- Query optimization techniques and the explain feature
- Smart drivers/connectors can help improve query performance