

Training: Red Hat
JB450 Red Hat JBoss Data Virtualization Development

FORM OF TRAINING	MATERIALS	PRICE	DURATION
Traditional	Hardcopy	2200 EUR	2 days
Traditional	CTAB Tablet	2300 EUR	2 days
Distance learning	Hardcopy	2200 EUR	2 days
Distance learning	CTAB Tablet	2200 EUR	2 days

LOCATIONS

Krakow - 5 Tatarska Street, II floor, hours: 9:00 am - 4:00 pm

Warsaw - 17 Bielska Street, hours: 9:00 am - 4:00 pm

TRAINING GOALS:

Red Hat® JBoss® Data Virtualization Development teaches database developers and administrators how to model data sources and virtual entities such as tables, views, and procedures. Through hands-on labs, students will learn how to deploy these virtual entities for JDBC and web service consumption. This course can also help certification candidates in their preparation for the **Red Hat Certificate of Expertise in Data Virtualization Exam (EX450)**.

Audience for this course:

- Database administrators
- Database developers

CONSPECT:

- Introduction to Red Hat JBoss Data Virtualization
 - Install Red Hat JBoss Data Virtualization
- Model data sources
 - Model connections to data sources and the Teiid server
- Create a virtual base layer (VBL)
 - Model a VBL on top of data sources
- Create virtual databases (VDB)
 - Create and deploy a VDB
- Create view models with a union

- Model combined projections
- Create view models with joins
 - Model joins between tables (sources)
- Create virtual procedures
 - Model virtual procedures
- Produce XML results
 - Model for XML document results
- Expose a model as a SOAP web service
 - Build and deploy a web service model using JAX-WS (SOAP)
- Expose a model as a REST web service
 - Deploy a web service model using JAX-RS (REST)
- Create a view from a web service data source
 - Use a web service as a data source
- Server administration
 - Manage the data services server
- Create materialized views
 - Utilize materialized views when appropriate
- Restrict access to a virtual database
 - Implement access restrictions to the elements mapped in a virtual database
- Access a virtual database in an application
 - Access virtual databases in a Java application
- Course review

REQUIREMENTS:

- Fluency in Relational Database Concepts and SQL
- Experience in programming with the JDBC API is helpful
- JBoss Developer Studio or Eclipse experience is helpful but not required

Difficulty level



CERTIFICATE:

Participants will obtain certificates signed by Red Hat.

TRAINER:

Red Hat Certified Instructor.

ADDITIONAL INFORMATION:

Recommended next exam or course:

- EX450 Red Hat Certificate of Expertise in Data Virtualization Exam