

Training: Red Hat
EX450 Red Hat Certificate of Expertise in Data Virtualization exam



FORM OF TRAINING	MATERIALS	PRICE	DURATION
Traditional	Exam	450 EUR	1 day

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:

The Red Hat Certified Specialist in Data Virtualization exam (EX450) tests candidates' skills and knowledge in the use of Red Hat® JBoss® Data Virtualization to integrate multiple data sources.

A Red Hat Certified Specialist in Data Virtualization is able to perform the following tasks:

- Start, stop and manage deployments on the JBoss Data Virtualization runtime
- Model and create federated views from divergent data sources including flat files and relational databases
- Transform data from divergent data sources to create new, business ready data views
- Create virtual procedures to provide customized and/or optimized data views
- Use effective techniques to improve the performance of federated data views
- Expose federated data as RESTful services.

CONSPECT:

Candidates should be able to perform the tasks listed below:

- Establish and import data sources
 - Import from Flat File Source locally
 - Import from Flat File Source ftp
 - Import from RDBMS
- Federate and transform data
 - Use the Teiid Designer wizards to automatically generate data models
 - Understand and update generated models
 - Apply simple data transformations such as Type Casting

- Apply complex transformations inbuilt transformation functions
- Use the various inbuilt translators
- VDB Modeling
 - Aggregate different typed data stores to create a federated view including:
 - Files (flat and XML)
 - Multiple, different relational database
 - Implement SQL logic from distinct data stores
 - Understand and implement materialized views
- Tuning
 - Improve performance by using in memory cache
 - Use techniques to bypass caches as needed
 - Tune caching behavior for specific requirements
- Reporting/Data export
 - Create READ procedure
 - Expose procedure results as XML or JSON
 - Expose data as RestFul services
 - Understand and anticipate performance issues
- Runtime
 - Package and deploy virtual databases
 - Understand how to use Teiid Designer to control and manage the JBoss Data Virtualization runtime

As with all Red Hat performance-based exams, configurations must persist after reboot without intervention.

REQUIREMENTS:

Exam candidates should:

- There are no prerequisites to take this exam but it is recommended that an individual take JB450 Red Hat JBoss Data Virtualization Administration training course.

Difficulty level



TRAINER:

Red Hat Certified Instructor.

ADDITIONAL INFORMATION:

Recommended training:

- JB450 Red Hat JBoss Data Virtualization Administration.