



HP Vertica Developer Workshop

The HP Vertica Developer Workshop is a facilitated Services session to educate developers on the capabilities of the HP Vertica Enterprise Edition solution.

Service implementation

The workshop provides for the utilization of the HP Vertica technology platform. This will be a combination of instructor-led and hands-on labs.

Service planning and deployment

An HP Vertica Professional Services specialist (the “Specialist”) will coordinate with you to confirm the following information:

- Identify names and direct contact information for qualified participants.
- Establish delivery date for the workshop.

Delivery

An HP Vertica Professional Services consultant (the “Consultant”) will conduct the instructor-led session, which includes the following:

Day 1 – Vertica Internals I

- Vertica Analytics Platform
- Vertica on Unix
- Access / Security
- Tables
- Projections
- WOS vs. ROS

Day 2 – Vertica Internals II

- Epochs
- Tuple Mover
- Resource Pools

Day 3 – Data Load

- Bulk Loading
- Trickle Loading
- COPY In-depth
- Copying and Exporting Data
- Bulk Deletes, Purging, Partitions
- Post Loading Tasks

Day 4 – Query Tuning

- Query Tuning
 - Explain Plan and Profile
 - Counters
 - Event Tables
 - Additional Tables
 - Optimizing Sort Orders, Joins, Group By
- User Defined Extensions
 - External Procedures
 - User-Defined SQL Functions
 - UDX

Your requirements

Prerequisite Knowledge and Skills

Each participant must have the following knowledge and skill sets:

- At least one (1) year of experience working in a Linux environment
- A working knowledge of Structured Query Language (SQL)
- Familiarity with database design concepts

Your responsibility

- Contact a Specialist within ninety (90) days of the date of purchase to schedule the delivery of the workshop.
- Assign a designated person from your staff who, on your behalf, will grant all approvals, provide information, attend meetings, and otherwise be available to assist HP Vertica in facilitating the delivery of the workshop.
- Ensure the availability of a projector, projection screen, whiteboard, and internet access for the Specialist and class participants.
- You must provide reasonable access and working space at the site as HP Vertica may reasonably request. In addition, you will provide HP Vertica and HP Vertica subcontractor staff standard telephone and dial-up or comparable data access to HP Vertica's network at industry standard speeds. HP Vertica shall observe your work rules and security and safety policies while delivering the workshop at the site of which HP Vertica is informed of in writing in advance and that are not inconsistent with HP Vertica's own business practices.

Duration

Delivery of this workshop will not exceed a total of four (4) days in duration of consecutive delivery, delivered as an instructor-led presentation and laboratory practice for you using a controlled virtual environment populated with the requisite sample data. HP Vertica will provide the virtual environment and the sample data.

Terms

This offering consists of a consulting and training effort and is governed by the HP Customer Terms. All capitalized terms used in this Data sheet, but not otherwise defined, will have the meaning assigned to them in the Terms. For purposes of this Data sheet, "services" mean consulting, integration, professional services or technical services performed by HP under this Data sheet. Services excludes hardware maintenance and repair, software maintenance, education services, or other standard support services provided by HP; software as a service; managed print services; and outsourcing services.

Acceptance of Deliverables occurs upon delivery.

This Data sheet is the Statement of Work for the Services

described herein.

Payment and validity

Services will be pre-billed.

Customer agree to pay invoiced amounts within thirty (30) days of the invoice date.

Customer must schedule delivery of the offering within a period of 90 days and to be completed within a period of 180 days (six months) from purchase.

Customer may not schedule delivery beyond the six (6) months period. At the end of the 6 months period, HP's full obligation to deliver the offering is considered fulfilled and your right to receive the Service will expire.

Cancellation

To avoid a Cancellation Fee as defined herein, you must notify HP in writing of cancellation or rescheduling at least ten (10) business days prior to the delivery of the Service. Cancellations or rescheduling with less than ten (10) business days notification will incur 100% of the Service offering fee ("Cancellation Fee"). If you cancel with ten (10) or more business days in advance of scheduled delivery, you may reschedule only if delivery will be complete within six (6) months from the purchase date of the Service.

Change in scope

Changes in scope are not allowed for this Service. Additional or different Services requested by you can be accommodated at additional cost through a Statement of Work.

For more information

For more information, contact your HP Vertica representative or email an HP Vertica Software Professional Services in your region: **vertica-PS-ops@hp.com**.

When placing your order, please refer to the following product information

Code	Description
HOEX1A1	HP Vertica Developer Workshop Service

Make Information Matter

<http://www.vertica.com>

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