

# Vertica Developer Workshop

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

## Service Implementation

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

## Service Planning and Deployment

A Micro Focus 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

A 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

## Customer Requirements

Each participant must have the following prerequisite 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

## Customer 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 Micro Focus in facilitating the delivery of the workshop.

## Vertica Services at a Glance:

Your success is important to us. Our team works work side-by-side with you in design, development, and implementation—enabling your team to directly participate in creating the solution and achieving the vision for your analytics initiative. We have one objective that drives everything we do: to help you achieve your goals. Our service packages span the lifecycle of your project—so no matter where you are, we have you covered.

Contact us at:  
[www.vertica.com](http://www.vertica.com)

- Ensure the availability of a projector, projection screen, whiteboard, and internet access for the Specialist and class participants.
- You shall provide reasonable access and working space at the site as Micro Focus may reasonably request. You will provide Micro Focus and Micro Focus® subcontractor staff standard telephone and dial-up or comparable data access to Micro Focus's network at industry-standard speeds. Micro Focus shall observe your work rules and security and safety policies while delivering the workshop at the site of which Micro Focus is informed of in writing in advance and that are not inconsistent with Micro Focus's own business practices.

### Duration

Delivery of the Service 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. Micro Focus will provide the virtual environment and the sample data.

### Terms

This offering consists of a consulting and training effort and is governed by the Micro Focus 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 Micro Focus under this Data sheet. Services

excludes hardware maintenance and repair, software maintenance, education services, or other standard support services provided by Micro Focus; 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

This offering will be pre-billed. You agree to pay invoiced amounts within thirty (30) days of the invoice date. You must schedule delivery of the offering within a period of ninety (90) days and to be completed within a period of six months (180 days) from purchase.

You may not schedule delivery beyond the six-(6-) month period. At the end of the 6-month period, Micro Focus's full obligation to deliver the offering is considered fulfilled and your right to receive the workshop will expire.

### Cancellation

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

### Change in Scope

Changes in scope are not allowed. You can request additional or different services, if available and at additional cost, through a statement of work or change order.

### For More Information

Contact your Micro Focus representative or email Micro Focus Big Data Services at: [bigdatainfo@microfocus.com](mailto:bigdatainfo@microfocus.com)

### Learn More At

[www.vertica.com/services](http://www.vertica.com/services)