

Vertica Performance Tuning Consulting Service

The Vertica Performance Tuning Consulting Service provides you with a Micro Focus Vertica Enterprise Edition subject matter expert for a period of five days.

Overview

A Micro Focus Professional Services specialist will review the Vertica cluster configuration and design, and will make suggestions for improving data load and/or query durations. The Vertica consultant will work with you to detect and optimize performance bottlenecks.

Service Implementation

The Vertica Performance Tuning Consulting Service (the "Service") provides you with on-site technical assistance for your instance of Vertica Enterprise Edition in a supportable configuration. The Service may be used toward system analysis, and mentoring discussions with your employees about best practices can be applied to customer use cases.

Service Planning and Deployment

A Professional Services specialist (the "Specialist") will schedule the delivery of the Service at a time mutually agreed upon between Micro Focus and you, which shall be during local Micro Focus standard business hours, excluding Micro Focus holidays, unless otherwise agreed by Micro Focus. Any services provided outside of Micro Focus standard business hours will be subject to additional charges.

The Specialist will perform the following activities:

■ Kickoff phone call:

- Verify that system environment prerequisites have been met

- Establish the high-level activities and agenda desired by you for the onsite visit
- **Onsite visit:** On-site visit commences with half-day overview session to discuss your system architecture, key use cases, and challenges. The purpose of the session is to familiarize the Specialist with your environment, expectations and issues that need to be addressed. After the session, the Vertica specialist and the customer will confirm the agenda for the remainder of the onsite visit. Activities may include the following:
 - Enable execution engine profiling
 - Run identified queries while obtaining baseline durations
 - Analyze query profiles to identify the performance bottleneck
 - Implement change(s) to resolve the bottlenecks/issues
 - Run the queries to determine new durations
 - Iterate through the process to further increase performance
 - Mentoring the customer about the process and reasoning behind the analysis
- **Offsite/Remote consulting:** Off-site or remote consulting can be delivered as continuation of on-site engagement under these conditions:

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.

Data Sheet

Vertica Performance Tuning Consulting Service

- Remotely if the customer provides access to the network so that the Specialist can review their Vertica and work directly on system
 - Or by Micro Focus Virtual Room, where the customer and the consultant interact during this analysis process
 - Or offline, whereby the customer submits system design, performance issues, scrutinize, or diagnostics logs so that the Specialist can review the configuration and search for issues. (Note that in this option, logs may not contain all information necessary to do an evaluation and can be an interactive process.)
- **Documentation:** Vertica will return your database in a state which runs the provided queries as fast as possible given resource constraints. Additionally, Vertica will deliver a document detailing baseline & optimized durations and the high level changes which improved performance.

Service Eligibility

You must provide the following for delivery of the Service:

- For any onsite delivery, all requisite logistical accommodations to the Specialist including but not limited to adequate physical work location, access to your network, internet access, telephone access, and access to your offices where work will be performed
- For any onsite or remote delivery, any requisite access to your network and servers including but not limited to VPN token and client software, server names and IP addresses, and administrative user names and passwords

Service Limitations

The Service is delivered as a single, continuous event. Environments requiring multiple

engagements or phases over longer periods of time are not included in this Service, but can be accommodated at additional cost through a Statement of Work. Activities such as, but not limited to, the following are excluded from this Service:

- Live instructor-led classroom training
- Installation of larger Vertica Enterprise Edition environments (e.g., clusters with more than five (5) Vertica Enterprise Edition nodes)
- ETL/BI tool development or implementation
- Complex data schema translation and development from a source database into the Vertica Enterprise Edition database
- Hardware maintenance and repair
- Software maintenance
- Other standard support services provided by Micro Focus

Customer Responsibility

- Contact a Specialist within ninety (90) days of the date of purchase to schedule the delivery of the Service
- Coordinate Service deployment on third-party-maintained hardware/software (if applicable) with Micro Focus
- 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 Service
- Ensure that all Service prerequisites as identified in the Service eligibility section are met
- Ensure the availability of all hardware, firmware, and software required by the Specialist to deliver the Service
- Retain and provide to Micro Focus, upon request, all original software licenses, license agreements, license keys,

and subscription service registration information, as applicable for the Service

- 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 Service 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.
- You agree not to solicit, or make offers of employment to, or enter into consultant relationships with, any Micro Focus employee involved, directly or indirectly, in the performance of Services hereunder for one (1) year after the date such employee ceases to perform Services under this data sheet. You shall not be prevented from hiring any such employee who responds to a general hiring program conducted in the ordinary course of business and not specifically directed to such Micro Focus employees.
- During the provision of the Services, Micro Focus may be required to install copies of third-party or Micro Focus-branded software and be required to accept license terms accompanying such software ("Shrink-Wrap Terms") on your behalf. Shrink-Wrap Terms may be in electronic format, embedded in the software, or contained within the software documentation. You hereby acknowledge that it is your responsibility to review Shrink-Wrap Terms at the time of installation, and hereby authorize Micro Focus to accept all Shrink-Wrap Terms on its behalf.

- You acknowledge that Micro Focus's ability to deliver the Services is dependent upon your full and timely cooperation with Micro Focus, as well as the accuracy and completeness of any information and data that you provide to Micro Focus.

Duration

Delivery of the Service will not exceed a total of five (5) days in duration of consecutive delivery.

These days will be delivered as follows:

- Up to five (5) consecutive days of onsite consulting and, if agreed upon, up to two (2) days of the 5- (five-) day engagement may be delivered via offsite/remote consulting

Travel expenses are not included in the cost of the Service and must be added.

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.

Hiring of Employees. You agree not to solicit, or make offers of employment to, or enter into consultant relationships with, any Micro Focus employee involved, directly or indirectly, in the performance of services hereunder for one (1) year after the date such employee ceases to perform services under the terms of this Data sheet. You shall not be prevented from hiring any such employee who responds to a general hiring program conducted in the ordinary course of business and not specifically directed to such Micro Focus employees.

Authorization to Install Software. During the provision of services, Micro Focus may be required to install copies of third-party or Micro Focus-branded software and be required to accept license terms accompanying such software ("Shrink-Wrap Terms") on your behalf. Shrink-Wrap Terms may be in electronic format, embedded in the software, or contained within the software documentation. You hereby acknowledge that it is your responsibility to review Shrink-Wrap Terms at the time of installation, and hereby authorizes Micro Focus to accept all Shrink-Wrap Terms on its behalf.

Intellectual Property. Micro Focus may provide Micro Focus tools, templates, and other pre-existing intellectual property of Micro Focus during the course of providing services ("Micro Focus Pre-existing IP"). Micro Focus Pre-existing IP does not include, nor is considered a part of, either the Deliverables or Micro Focus products. Micro Focus retains all intellectual property ownership rights in such Micro Focus Pre-existing IP. All Micro Focus Pre-existing IP is Micro Focus Confidential Information. Micro Focus Pre-existing IP may be governed by additional license terms that are embedded in the Micro Focus Pre-existing IP.

Payment and Validity

This offering will be pre-billed. You agree to pay invoiced amounts within thirty (30) days of the invoice date. If applicable, you must schedule delivery of the offering to be completed within a period of one (1) year from the date of purchase. Notwithstanding the previous sentence, Micro Focus's obligations to deliver the offering under this Data sheet are considered fulfilled and your rights of receipt of the offering under this Data sheet will expire one (1) year from the date of purchase.

Pricing for the offering may vary by country.

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

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www.vertica.com

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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 one year 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

Learn more at
www.vertica.com/services