

Data sheet

HP Vertica Advanced Performance Tuning



Learning solution



November 2013

The HP Vertica Advanced Performance Tuning course helps you develop a deeper understanding of how to optimize the performance of HP Vertica Enterprise Edition.



Learning Solution delivery

An HP Vertica specialist (the “Specialist”) will schedule the delivery of the Learning Solution at a time mutually agreed upon between HP Vertica and you, which shall be during local HP Vertica standard business hours, excluding HP Vertica holidays, unless otherwise agreed by HP Vertica. Any services provided outside of HP Vertica standard business hours will be subject to additional charges.

A Specialist will perform the following activities:

Preparation

The Specialist will coordinate with you to confirm the following information:

- Identify names and contact information for qualified Learning Solution participants.
- Establish delivery date for the Learning Solution.

Delivery

The Specialist will conduct the instructor-led Learning Solution, which will include the following learning objectives:

- Describe and implement best practice for HP Vertica Database Designer.
- Analyze database queries and associated objects.
- Tune and simplify database queries.
- Modify resource settings.
- Update and monitor statistics.
- Run Workload Analyzer and interpret output.



Your requirements

Prerequisite knowledge and skills

Learning Solution participants must have the following knowledge and skill sets:

- Previous participation in the HP Vertica Essentials course, or equivalent training/experience with HP Vertica Enterprise Edition.
- A minimum of three (3) months hands-on experience with Vertica in a production environment.

Participant machine requirements

Each Learning Solution participant must provide his or her own physical machine. Each machine must match the following configuration:

- 64-bit version of Microsoft® Windows® XP, Windows 7®, or later operating system installed.
- 2 GHz or faster CPU.
- Minimum 4 GB RAM, with at least 2 GB free RAM.
- Minimum of 150 MB free disk space.
- Each Learning Solution participant must have administrative permissions on the machine.
- VMware® Player 3.1.4 or higher installed, or sufficient privileges to install VMware Player.
- Adobe® Acrobat® 9.0 or higher installed, or sufficient privileges to install Adobe Acrobat.



Your responsibility (private delivery only)

- Contact a Specialist within ninety (90) days of the date of purchase to schedule the delivery of the Learning Solution.
- Assign a designated person from your organization 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 Learning Solution.
- 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 Learning Solution 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 Learning Solution will not exceed a total of two (2) 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.



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 to be completed within a period of one (1) year from purchase. At the end of the one (1) year period, HP Vertica's full obligation to deliver the offering is considered fulfilled and your right to receive the Learning Solution will expire.



Additional Terms and Conditions

The delivery of the Learning Solution to Customer by HP is governed by (a) this Data sheet and (b) HP Customer Terms or another agreement referenced in the legal quotation document related to this Learning Solution.

1. DEFINITIONS

- A. "Business Days" means standard local business days in the country the Learning Solution is purchased, excluding bank and local public holidays.
- B. "Customer" means either (i) end-user HP customer who purchases the Learning Solutions from HP or from an authorized HP reseller, wholesaler, or distributor, or (ii) an HP authorized reseller, wholesaler, or distributor who purchases Learning Solutions in order to provide such Learning Solutions to its end-user customer.
- C. "HP Vertica Education Curriculum" means all presentations, documentation, and training software that may be provided to the Customer as part of the delivery of the Learning Solution.
- D. "Learning Solution" means HP Vertica Education services, including HP Vertica Education Curriculum, related to the HP Vertica Advanced Performance Tuning course that is sold and delivered to HP Customers.
- E. "Statement of Work" or "SOW" means a document signed by HP and Customer that describes the specific Learning Solution to be provided by HP. SOWs are generally applicable to dedicated training specific to Customer's requirements.

2. LEARNING SOLUTION

- A. **Validity.** From the date of HP's confirmation of the order ("Order Date"), the order is valid for a period of twelve (12) months. Delivery must be taken within the country where the Learning Solution is purchased.
- B. **Expiration.** Any Learning Solution that remains unused after twelve (12) months from the Order Date will expire and therefore be forfeited ("Order Expiration Date"). No extension beyond the Order Expiration Date will be permitted.
- C. **Non-Cancellation.** Learning Solution orders may not be cancelled. All purchases are final. Learning Solution orders are non-refundable, non-transferable, and non-assignable. Purchases of Learning Solutions cannot be combined with any other discounts, offers, or promotions.
- D. **Additional or Different Services.** Additional or different services requested by Customer are subject to HP's acceptance at its sole discretion. Such additional or different services will be accommodated for an additional cost through a Statement of Work.

3. LEARNING SOLUTION RESERVATION

- A. **Start Date.** Unless otherwise specified or agreed in writing by HP, delivery of all Learning Solutions shall commence on the date specified by HP in the order confirmation or SOW.

4. CANCELLATION OF LEARNING SOLUTION

- A. **Cancellation by HP.** HP will use reasonable efforts to give notice of cancellation of the Learning Solution, but the Learning Solutions is subject to schedule changes. HP reserves the right to cancel a Learning Solution for any reason, including failure to achieve a minimum required attendance for the Learning Solution. If possible, HP will notify customers of the cancellation at least five (5) Business Days prior to the Learning Solution start date. Customers enrolled in a Learning Solution cancelled by HP will receive a credit for the amount paid by Customer for the Learning Solution which can be applied toward the purchase of any Learning Solution until the original Order Expiration Date, pursuant to Section 2(b) of this Data sheet.

- B. **Cancellation by Customer.** To avoid a Cancellation Fee as defined herein, Customer shall notify HP in writing of cancellation at least ten (10) Business Days prior to the Learning Solution start date. Cancellations or rescheduling with less than ten (10) Business Days notification, and no-shows, will incur 100% of the Learning Solution fee (“Cancellation Fee”). Customers who cancel with ten (10) or more Business Days in advance of the scheduled delivery of the Learning Solution will receive a credit which can be applied toward the purchase of any Learning Solution until the original Order Expiration Date.

5. PRICE AND PAYMENTS

- A. **Price Changes.** HP reserves the right to change the price of the Learning Solution at any time. Such change will apply to any future purchases of the Learning Solution. Learning Solutions already purchased and confirmed registrations will be honored at the original purchase price.
- B. **Tax.** Prices do not include sales, use, service, value added or like taxes, or customs duties. Such taxes and duties, when applicable, will be added to HP’s invoices. Further, if Learning Solution deliveries are requested outside of the original invoicing country, it may be necessary for HP to issue an invoice from the delivery country location.
- C. **Payment Terms.** All payments will be made within thirty (30) calendar days of the date of invoice, unless otherwise specified on the invoice. These credit terms are subject to HP credit approval. HP may change credit terms upon reasonable notice at any time when, in HP’s opinion, Customer’s financial condition, previous payment record, or the nature of Customer’s relationship with HP so warrants.
- D. **Learning Solution Purchase.** Invoicing for the Learning Solution (1) is for the full amount of purchase and (2) will be performed on receipt and confirmation of Customer’s order.
- E. **Travel Expenses.** Instructor travel and expense fees are (1) not included in the price of Learning Solution, and (2) invoiced to Customer separately.

6. INTELLECTUAL PROPERTY

- A. **Intellectual Property Rights.** No rights in copyright, patents, trademarks, trade secrets, or other intellectual property are granted by either party to the other except as expressly provided under this Data sheet. All copyrights, patents, trademarks, trade secrets, and any other intellectual property rights existing prior to the purchase of the Learning Solution shall belong to the party that owned such rights immediately prior to the purchase date (“Pre-Existing Intellectual Property”).
- B. **HP Vertica Education Curriculum.** All HP Vertica Education Curriculum provided for use throughout the Learning Solution duration are the copyrighted works of HP or the original content provider. Unless otherwise set forth in the SOW, the HP Vertica Education Curriculum is provided for the sole use of the person accessing the Learning Solutions and may not be used by any other person and may not be reproduced, recorded, repurposed, distributed, or modified without the written permission of HP.
- C. **Limited Infringement Defense.** HP will defend or settle any claim against Customer with respect to the Learning Solution, to the effect that HP knowingly infringed a patent, utility model, industrial design, copyright, trade secret, mask work or trademark in the country where such Learning Solution is delivered; provided, however, that Customer promptly notifies HP in writing of the claim, and Customer cooperates with HP in, and grants HP sole control of, the defense or settlement.

7. WARRANTY

- A. **Services Warranty.** HP warrants that all Learning Solutions will be provided in accordance with generally recognized commercial practices and standards.
- B. **Disclaimer.** HP makes no other warranty or representation as to the suitability or quality of the Learning Solution. HP expressly disclaims all liability for anything done or omitted in reliance upon the Learning Solution. Customer shall have sole responsibility for fulfilling any requirements or accomplishing any objectives for which Customer purchased any Learning Solutions. THE WARRANTY CONTAINED IN THIS SECTION 7 IS IN LIEU OF AND HP EXPRESSLY DISCLAIMS, AND CUSTOMER HEREBY EXPRESSLY WAIVES, ALL OTHER EXPRESS WARRANTIES OR CONDITIONS, AND ALL OTHER WARRANTIES, CONDITIONS, AND OBLIGATIONS IMPLIED IN LAW, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

8. REMEDIES AND LIABILITIES

- A. **Limitation of Liability.** HP's total aggregate liability to Customer for any reason and upon all claims and causes of action hereunder will be limited to the amount of fees paid by Customer for the Learning Solutions giving rise to the claim or cause of action. This limitation applies to all causes of action or claims, including without limitation breach of contract, breach of warranty, negligence, strict liability, or other torts. In no event will HP be liable for any consequential, special, indirect, incidental, or punitive damages, including without limitation loss of data, loss of profits, or loss of savings or revenue, even if it has been advised of the possibility of such damages.
- B. **Statute of Limitation.** In no event will any cause of action be brought against HP more than one (1) year after the cause of action has accrued.
- C. **Sole and Exclusive Remedy.** THE REMEDIES HEREIN ARE CUSTOMER'S SOLE AND EXCLUSIVE REMEDIES.

9. GENERAL TERMS

- A. **Online Delivery.** Customer acknowledges and agrees that temporary interruptions of online training services may occur from time to time. HP shall exercise reasonable care to prevent or minimize such interruptions. HP shall not be liable to Customer for any failure or delay in receiving or transmitting data, or for any loss of or corruption to any data arising out of or in connection with delivering or conducting online training services.
- B. **Right to Refuse Service.** HP may refuse any individual admission to a Learning Solution that it considers to be a safety or security risk to other Learning Solution participants or the premises where the Learning Solution is being held. Additionally, HP may request any person in breach of its regulations to leave the HP premises or other premises where the Learning Solution is held. Fees paid for participant not admitted due to these circumstances will be forfeited and Customer will not be entitled to a refund for any portion thereof.
- C. **Force Majeure.** HP will not be liable for performance delays or for non-performance due to causes beyond its reasonable control.
- D. **Assignment.** Except with respect to HP's rights regarding the use of subcontractors, neither party may assign any rights or obligations hereunder without prior written consent of the other party. HP may, however, assign any rights and obligations hereunder to an affiliated entity at any time. These terms and conditions will be binding upon and inure to the benefit of the parties and their respective successors and permitted assigns.

- E. **Export and Import.** Customer who exports, re-exports, or imports data purchased hereunder, assumes responsibility for complying with applicable laws and regulations, and for obtaining required export and import authorizations. HP may suspend performance if Customer is in violation of applicable export laws.
- F. **Governing Law.** Disputes arising in connection with this Data sheet will be governed by the laws of the country and locality in which HP accepts the order.
- G. **Severability.** If any term or provision herein is determined to be illegal or unenforceable, the validity or enforceability of the remainder of the terms or provisions herein will remain in full force and effect.
- H. **Customer Responsibilities.** Customer will comply with the general obligations specified by this Data sheet together with any specific Customer obligations described in the Statement of Work, and/or other written requirements, such as technical tests to check suitability of an onsite location or PCs to be used for WBT or VILT, in a timely manner. Customer acknowledges that HP's ability to deliver the Learning Solutions is dependent upon Customer's full and timely cooperation with HP, as well as the accuracy and completeness of any information and data Customer provides to HP.
- I. **No Waiver.** Neither party's failure to exercise any of its rights under this Data sheet will constitute or be deemed a waiver or forfeiture of those rights.
- J. **Integration.** This Data sheet and any applicable HP order confirmation, HP Customer Terms, or another agreement referenced in the legal quotation document related to this Learning Solution, and, if applicable, related SOW constitute the entire agreement between HP and Customer and supersede any previous communications, representations, or agreements between the parties, whether oral or written, regarding transactions hereunder. Customer's additional or different terms and conditions will not apply. Customer's purchase will constitute Customer's acceptance of this Data sheet, which means that this Data sheet may not be changed except by an amendment signed by an authorized representative of each party.



For more information, contact your HP Vertica representative or email an HP Vertica Software Professional Services in your region at services@vertica.com.

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

Code	Description
HM518AS	HP Vertica Adv Tuning Private Trng
HM519AS	HP Vertica Adv Tuning Web ILT Trng
HM520AS	HP Vertica Adv Tun Public Per Trng

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