

Data Sheet

Consulting & Integration Infrastructure Services HP Server Virtualization Solution Planning & Design



Service description

Hewlett-Packard Consulting & Integration Infrastructure Consulting Packaged Services (HP C&I iCPS) offers Server Virtualization Solution Planning & Design to assist Customers in understanding and developing a consolidated and virtualized server infrastructure.

The purpose of a virtualized server infrastructure is to improve the Customer's Return on Investment (ROI) and Total Cost of Ownership (TCO), make better use of server hardware, and increase overall flexibility and reliability across servers. Before making an investment in a virtualized infrastructure, the Customer should have a clear understanding of how the infrastructure will look, the initial investment required, and the potential cost savings to be achieved.

HP Server Virtualization Solution Planning & Design service provides information based on data collection and analysis of the Customer's current servers, using HP tools that perform agentless data collection from remote nodes.

Three levels of the Solution Planning & Design study are offered to meet our Customers' varying requirements.

Level 1 provides preliminary information needed for the Customer to make an informed decision whether to proceed toward a virtualized environment, by presenting a high-level description of the proposed environment, industry-standard costs, and potential cost savings for the Customer.

Levels 2 and 3, targeted for Customers planning to proceed with server virtualization, provide a more in-depth study of the Customer's environment to determine the business and virtual server environment architecture requirements, in addition to more precise costs and cost savings potential.

Level 2 and 3 studies begin with data collected remotely on the current servers. In addition, additional information is gathered through interviews and/or a Workshop conducted with Customer's key stake holders, including data center owners, infrastructure support, application owners, IT managers, and finance personnel to explore current costs and potential cost savings, application details, types of data; storage information, and data protection and operational policies and procedures. Analysis of the findings leads to a better understanding of the Customer's current and future needs highlighting the additional customization and functionality required in the proposed virtualized environment, and the related costs. Upon completion of these studies, a formal review is conducted with all involved parties to present the identified needs along with a detailed, proposed server virtualization architecture, investment costs, projected cost savings, and a roadmap to migrate from current state to the proposed infrastructure.

Data Sheet

HP Server Virtualization Solution Planning & Design

Components of the various service levels of the Server Virtualization Solution Planning & Design are as follows:

Server Virtualization Solution Planning & Design			
Deliverables	Level 1	Level 2	Level 3 (Custom*)
Current server utilization review	✓	✓	✓
Detailed review: <ul style="list-style-type: none"> • Current operating costs • Application information • Data types • Storage details • Data protection policies and procedures • Operational policies and procedures • Infrastructure environment, needs, and future requirements 		✓	✓
New functionality requirements review	✓ (High level only)	✓	✓
Proposed SV infrastructure documentation	✓ (High level only)	✓	✓
Estimated cost of SV solution	✓ (High level only)	✓	✓
Estimate of potential ROI / TCO savings (based on comparison to current costs)	✓ (High level, based on industry averages)	✓	✓
Recommended next steps, including implementation and migration project plan for the proposed solution	(Recommendation of Planning Level 2 or 3 Service before Implementation)	✓	✓

* Exact scope and details of the custom service components will vary, based on the Statement of Work.

Service feature highlights

All Levels

- Data collection and analysis of existing servers to determine the potential for virtual server consolidation and infrastructure (if server data collection is to be captured over a period of time, the HP consultant will return at the end of the collection period to complete delivery of the service)

- Documentation of findings, with estimates of feasibility and potential costs and cost savings, as well as a view of the possible virtualized server infrastructure (the level of detail varies based upon the level of service purchased)

Levels 2 and 3

- Interviews and/or a Workshop with key customer stake holders to gather more detailed information regarding Customer's current infrastructure, issues, and business requirements
- In-depth analysis of information, resulting in greater detail for proposed infrastructure design
- More detailed, initial investment costs and potential cost savings based on customer specific cost structures, plus a proposed, server virtualization environment architecture that includes an implementation and migration project plan

Specifications: Service features

Feature	Details
Data Collection	<p>Levels 1, 2, and 3:</p> <ul style="list-style-type: none"> • Automated, remote data collection requiring no agents or other software installation on nodes being analyzed (data collection duration to be agreed upon by HP and the customer – typically, up to 2 weeks) – as follows: <ul style="list-style-type: none"> ○ Level 1, Tier 1 – Up to 50 OS instances ○ Level 1, Tier 2 – Up to 200 OS instances ○ Level 2, Tier 1 – Up to 50 OS instances ○ Level 2, Tier 2 – Up to 200 OS instances ○ Level 2, Tier 3 – Up to 500 OS instances ○ Level 2, Tier 4 – Up to 750 OS instances ○ Level 2, Tier 5 – Up to 1000 OS instances • Capture of data collection statistics, to include general node configuration, memory and CPU usage, by HP Consultant <p>Levels 2 and 3, through workshop and/or interviews with key contributors (data center owners, infrastructure support, application owners, IT managers, finance personnel) regarding:</p> <ul style="list-style-type: none"> • Current server utilization • Current operating costs • Application information (versions, instances, usage) • Data types (stale, unused, less critical, subject to compliance, duplicated) • Storage details (LUN sizes, RAID, tiers, capabilities) • Data protection policies and procedures (backup and recovery, disaster recovery, business continuance) • Operational policies and procedures • Infrastructure environment, needs, and future requirements • New functionality requirements

Specifications: Service features

Feature	Details
Findings Report (presentation to Customer staff)	<p>Level 1:</p> <ul style="list-style-type: none"> • Review of information gathered • High-level overview of potential target environment • High-level estimate of potential costs and ROI / TCO savings • Recommended next steps <p>Levels 2 and 3:</p> <ul style="list-style-type: none"> • Review of information gathered • Detailed, proposed SV infrastructure documentation • Estimated cost of SV solution • Detailed estimate of potential ROI / TCO savings (based on comparison to current costs) • Recommended next steps, including implementation and migration project plan for the proposed solution

Service benefits

The HP Server Virtualization Solution Planning & Design includes recommendations that can:

- Improve ROI
- Improve TCO
- Improve overall usage of server resources to help ensure that resources are being used wisely and efficiently
- Increase flexibility and ability of the server infrastructure to respond to Customer and organization needs

Service eligibility

Client must currently use or be planning target environment consisting of HP Virtual Server Environment (VSE) software, VMware, HP Blade servers, HP Integrity, or Proliant servers.

Service limitations

The HP Server Virtualization Solution Planning & Design services are limited to:

- Data Collection:
 - Remote, automated collection will be performed as specified in the foregoing Service Description Deliverables, per Level and Tier purchased. Any operating systems not supported by the data collection tool require customized price quoting (clarification of this can be provided by the C&I Server Virtualization Services). Depending on duration of data collection, one or two onsite visits will be made as required for HP Consultant to configure data collection equipment, capture findings, and complete service delivery.

- Collection will occur from a single site. Collection from remote sites via network is also included. However, collection from multiple physical sites requires customized price quoting.
- *Levels 2 and 3 only:* Workshop and/or individual interviews are included.
- Overview of potential target architecture and cost savings:
 - *Level 1:* High-level estimate provided.
 - *Levels 2 and 3:* Customized and precise estimates provided.
- Only those services clearly specified in this service description

Customer responsibilities

The Customer will:

- Provide access to a non-production Microsoft server to install data collection software.
- Grant HP Consultant the necessary access to non-production Microsoft Windows server to install data collection software for SV Planning & Design.
- Provide HP Consultant with login credentials and network access from data collection server to all servers to be analyzed as part of this service for data collection purposes for SV Planning & Design.
- Respond when contacted by an HP service specialist to schedule, within 90 days of the date of its purchase, the delivery of the service.
- Assign a designated person from the Customer's staff who, on behalf of the Customer, will grant all approvals, provide information, and otherwise be available to assist the HP Consultant in facilitating the delivery of this service.
- Ensure that all service prerequisites as identified under *Service eligibility* are met.
- Allow HP access to all locations where the service is to be delivered.
- Assure participation of key personnel as described in previous sections to participate in discussions of the Customer's business and operational objectives, plus any special requirements.

General provisions / other exclusions

- HP reserves the right to charge, on a time-and-materials basis, for any additional work over and above this service package pricing that may result from work required to address service prerequisites or other requirements not met by the Customer.
- HP reserves the right to re-price this service if the Customer does not schedule and provide for its subsequent delivery within 90 days of purchase.
- The ability of the HP Consultant to deliver this service is dependent upon the Customer's full and timely cooperation with the HP Consultant, as well as the accuracy and completeness of any information and data the Customer may provide to HP.
- The service is only available during local HP business hours. Any service delivery outside these hours will be subject to additional charges.
- Application consolidation is not included as part of this service.

Ordering information

Contact your local HP sales office to order the HP Server Virtualization Solution Planning & Design service. Service is available in options below:

- Level 1, Tier 1 – Up to 50 OS instances
- Level 1, Tier 2 – Up to 200 OS instances
- Level 2, Tier 1 – Up to 50 OS instances
- Level 2, Tier 2 – Up to 200 OS instances
- Level 2, Tier 3 – Up to 500 OS instances
- Level 2, Tier 4 – Up to 750 OS instances
- Level 2, Tier 5 – Up to 1000 OS instances
- Customized to meet specific needs (requires Statement of Work)

For more information

For more information on HP Virtualization Solutions, contact any of our worldwide sales offices or visit our Website at www.hp.com/go/virtualization.

© Copyright 2008 Hewlett-Packard Company. The information contained herein is subject to change without notice and is provided "as is" without warranty of any kind. The warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett-Packard shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance, or use of this material. This document contains proprietary information that is protected by copyright. No part of this document may be photocopied, reproduced, or translated into another language without the prior written consent of Hewlett-Packard. HP Services are governed by the HP Terms and Conditions of Sale and Service, HP Business Terms, and a Statement of Work, as applicable, or HP Global Agreement.