Virtualization initiatives may begin with consolidation planning and analysis. After the implementation is complete, performance may suffer over time if administrators do not actively monitor ongoing capacity and utilization levels.

HP Performance and Capacity Analysis for Virtual Environment Service provides an analysis of the virtual infrastructure capacity utilization and performance of your virtualized environment and related HP ProLiant servers, storage, and network devices, as well as VMware and Microsoft® hypervisors.

This service provides an annual analysis of your environment and offers a review of best practices, the effective use of resources, and workload assignments. In addition, it provides a measure of your environment’s current utilization rates for target areas over a defined period (2 to 3 weeks).

**Service benefits**
This service helps improve capacity utilization of the virtualized infrastructure. In addition, it:
- Helps improve or maintain system uptime
- Allows your IT resources to stay focused on their core tasks and priorities
- Provides a service that is performed by an HP technical specialist
- Allows you to better utilize these assets to meet business demand
- Improves overall usage of infrastructure resources to increase efficiency
- Helps you identify inefficiencies and plan for increases in workload

**Service feature highlights**
- Pre-delivery checklist
- Data collection
- Data analysis
- Presentation with advice and recommendations

**Service features**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Delivery specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-delivery checklist</td>
<td>HP will send the Customer a pre-delivery checklist/questionnaire to complete. This document gathers information to help characterize the Customer's environment and workload management, as well as identify Customer contacts for service execution.</td>
</tr>
<tr>
<td>Data collection</td>
<td>Data collection tools are installed and/or configured at the Customer's site. The data collection period occurs over 2 to 3 weeks. During this process, HP collects ongoing utilization data for selected equipment in the Customer's supported environment. For server products, HP uses tools that may include, but are not limited to, HP Systems Insight Manager (SIM) with Virtual Machine Manager (VMM), HP Insight Control, VMware, and Microsoft and Linux management tools and analyzers. For storage products, HP uses tools that may include, but are not limited to, HP Command View EVA Perf and/or HP XP Performance Advisor software already installed and configured in the Customer's environment.</td>
</tr>
</tbody>
</table>

This data sheet is governed by HP's current standard sales terms or, if applicable, the Customer’s purchase agreement with HP.
**Data analysis**
HP analyzes the data collected from the Customer’s site and provides a report comparing the Customer’s results to HP best practices, and makes recommendations for improvement.
A collaborative discussion takes place with the Customer, if needed.

**Presentation**
HP prepares an advice and best practices presentation and presents the results to the Customer. During the presentation, HP will identify potential follow-on activities:
- Implementation
- Need for Knowledge Transfer
These follow-on activities are not included in this service, but can be provided by HP at an additional cost.

**Service limitations**
Any services not clearly specified in this document or in an associated Statement of Work are excluded from this service.

This service does not provide detailed implementation planning or implementation activities.

The data collection and analysis are limited up to one of the following:
- 1 populated blade enclosure
- 8 standalone servers
- 1 storage array

The data collection and analysis are limited to 8 ESX hosts part of a cluster.

**Service eligibility**
The Customer must currently use a virtualization environment with VMware or Microsoft hypervisors.

**Customer responsibilities**
- The Customer must have data collection tools, as specified by HP, available, or allow HP to install them as needed.
- For EVA/XP storage environments, HP Command View EVA Perf and/or HP XP Performance Advisor must already be installed and configured.

**General provisions/Other exclusions**
- Portions of the service are delivered remotely or onsite, at HP’s discretion.
- HP’s ability to deliver this service is dependent upon the Customer’s full and timely cooperation with HP, as well as the accuracy and completeness of any information and data the Customer provides to HP.
- HP P2000 disk arrays are excluded from this service.
- This service excludes external networks.
- This service does not cover follow-on activities such as implementation of the recommendations, or a knowledge transfer. These activities can be purchased separately as a Statement of Work.

**Ordering information**
This service is available as a fixed or flexible HP Care Pack service, on a per-event basis, or it can be added to a contract using the following part numbers:
- Fixed Care Pack service: U8E82E
- Flexible Care Pack service: H6B13A1
- Per-event service: H6B13AE
- Contract service: H6B13AC

This service can also be ordered through HP Proactive Select credits.
For more information
For more information on HP Services, contact any of our worldwide sales offices or visit our website at:
www.hp.com/services/support