



VIRTUALIZATION QUICKSTART

INTRODUCE VIRTUALIZATION INTO YOUR ENVIRONMENT

WHAT IS IT?

In a short term¹ consulting engagement a Red Hat Virtualization Quickstart enables you to deploy virtualization technologies into your IT environment in a fast and efficient way. It demonstrates the maturity and enterprise-readiness of Red Hat integrated virtualization, without disturbing your existing IT infrastructure. A demonstration setup of virtual servers will help your IT staff to develop the skills to cope with virtualization-related tasks.

WHAT DOES IT DO?

In the course of this consulting engagement, a Red Hat consultant will install Red Hat® Enterprise Linux® based virtualization into your environment providing you with an enterprise class virtualization infrastructure. This setup is capable of hosting your mission critical production applications at a fraction of the cost of proprietary virtualization solutions. Together with your IT staff our consultant will virtualize one of your existing physical systems, training your system administrators on the job.

WHY SHOULD I CARE?

As a technology, virtualization offers a number of benefits:

- Virtualization improves economic efficiency and reduces costs (e.g. in terms of hardware, power consumption and data-center space).
- Virtualization improves your ability to meet service level agreements (e.g. planned downtimes can be reduced).
- Virtualization improves business agility enabling you to respond to changing demands quickly.

Virtualization allows you to utilize existing resources like hardware, server-room space, and system administration time more efficiently. It provides you with a better staff / server ratio and reduces power and cooling costs.

Furthermore virtualization allows applications to be “mobile”, moving from one server to another, thereby reducing planned downtime and giving you more options for business continuity planning and disaster recovery.

¹ This is not a fixed-term engagement. The exact time depends on the complexity of your environment and the options selected.

DELIVERABLES

An enterprise class virtualization infrastructure capable of hosting your production critical applications.

One physical system migrated to the virtual infrastructure.

Documentation and staff training.

Virtualization technologies have matured significantly over the last few years.

Red Hat® Enterprise Linux® 5 Advanced Platform comes with mature, industry-strength open source virtualization software, as part of the base operating system and at no extra charge. Internal benchmarks show that this cost-efficient solution outperforms competitive implementations.

A Virtualization Quickstart, based on Red Hat best practices, is an optimal introduction to virtualization technologies. Deploying Red Hat integrated virtualization now will help you to achieve significant cost savings.

SCOPE

A Red Hat consultant will:

- install Red Hat Enterprise Linux 5 Advanced Platform on two or three servers.
- configure these servers to form a cluster that will provide you with advanced virtualization features such as live migration (moving a guest² from one system to another without downtime) and automatic fail-over (when one of the servers becomes unavailable the virtualization setup will automatically perform a guest migration).
- migrate one physical system of your choice to the virtualized environment. This migration is used for demonstration and training purposes.
- fully document the setup.
- share knowledge with your IT staff during the engagement and enable them to cope with further tasks independently.

² Operating systems running in a virtual environment are called guest systems or simply guests.



REQUIREMENTS

To ensure a smooth service delivery the following people from your organization should be available to work with the consultant during the engagement:

- Sponsor. As your ultimate sign-off authority, the sponsor provides guidance and an escalation point, should one be necessary.
- Project manager. This person manages your day-to-day activities related to this engagement, and ensures the timely delivery of information required for the project.
- IT and other staff. Successful delivery of our service requires access to competent professionals who provide relevant information about your IT infrastructure.

The following technical requirements should be met prior to the start of the engagement³:

- Two or three Intel or AMD x86_64 based servers with VT/SVM capabilities. The appropriate hardware should be installed physically and have network connectivity.
- NFS, iSCSI or FC based storage sufficient for holding the guest images.
- Two or three active subscriptions for Red Hat Enterprise Linux 5 Advanced Platform.
- If you're using Red Hat Network Satellite, two or three management and provisioning entitlements.
- A physical system of your choice to serve as a migration candidate.

OUTLINE PLAN

1. Install Red Hat Enterprise Linux 5 Advanced Platform including virtualization and clustering software.

2. Configure Red Hat Enterprise Linux virtualization.

3. Perform one physical to virtual migration.

4. Documentation and knowledge transfer.

FOR MORE INFORMATION

For more information on the Virtualization Quickstart or on any other Red Hat consulting offering, visit

www.redhat.com/consulting

INTERESTED?

Contact Red Hat today to get a personalized quote for this Red Hat solution:

General numbers for Europe, Middle East and Africa: 00800 7334 2835
 Turkey: +44 1252 362 795
 Israel: 00800 448 820 640
 UAE: 1809 449 548
 E-mail: 80004449549
europa@redhat.com

General number for North America: 888 RED HAT 1
 E-mail: 866 273 3428 x44555
sales@redhat.com

General number for Asia Pacific: +65 6490 4200

ASEAN: [800 448 1430](tel:8004481430)
 Australia & New Zealand: 1800 733 428
 Greater China: 800 810 2100
 India: +91 22 3987 8888
 Japan: 0120 266 086
 Korea: 080 708 0880
 E-mail: apac@redhat.com

General number for Latin America: 54 11 4341 6200
 E-mail: info-latam@redhat.com

³ These are the most important requirements. A further check list with more detailed requirements will be worked through prior to commencement of the engagement.