



STANDARD OPERATING ENVIRONMENT

DEFINING, DEPLOYING, AND MANAGING YOUR CORPORATE STANDARD OPERATING ENVIRONMENT FOR LINUX

WHAT IS IT?

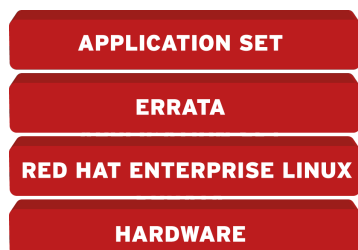
The Red Hat Standard Operating Environment helps you to define, deploy and maintain Red Hat® Enterprise Linux® and 3rd party applications as a Standard Operating Environment (SOE). The SOE is fully aligned with your requirements as an effective and managed process, and fully integrated with your IT environment and IT processes.

The modular nature of the Red Hat SOE enables you to select the most appropriate solutions to address your business' IT needs.

WHAT DOES IT DO?

Standard Operating Environment

SOE is a specification for a tested standard selection of computer hardware, software and their configuration for use on computers within an organization.



SOE leads to:

- dramatically reduced deployment time.
- software deployed and configured in a standardized manner.
- simplified maintenance due to standardization.
- increased stability and reduced support and management costs.

In Red Hat terminology, the SOE specification for a particular Red Hat Enterprise Linux version or update is called a Core Build.

Core Build

Core Build supports a defined set of target hardware and a defined set of pre-configured services and applications on top of the OS. Applications might originate from Red Hat or from 3rd party vendors.

An organization often has a number of different Core Build implementations for desktops, servers, for different Red Hat Enterprise Linux versions or for different hardware architectures.

As a result of a Core Build installation to a particular system, all required configuration is automatically performed in order to integrate the system into an existing IT infrastructure such as, for example, authentication services.

The configuration is also dynamically modified to suit particular hardware profiles such as the size of hard disks or RAM. Alternatively, it might be configured to use a different network or different security services depending on the networking segment where the system is located.

A Core build allows systems to be deployed rapidly and in a standardized manner.



Core Build Life Cycle Management

Changes to a Core Build have to be applied on an ongoing basis, for example:

- New errata or bug fixes for Red Hat or 3rd party software. Delaying errata or bug fixes might lead to a security breach and outstanding bug fixes may compromise stability or lead to unplanned downtime.
- Changes in the IT environment such as a new authentication mechanism require configuration changes or the deployment of new software.
- New versions of in-house developed software need to be deployed to systems.
- New hardware types need to be deployed.

All these changes have to go through the development – quality assurance – deployment cycle, since applying changes without such a cycle often lead to unforeseen issues in production.

Change management can be an extremely resource intensive task without having the proper automated testing and acceptance mechanisms in place.

SOE Management Platform

SOE Management Platform (SOEMP) is a set of different technologies and products which aim to provide the following benefits:

- provide a centralized management platform.
- the ability to manage several Core Builds in parallel.
- provide centralized way to deploy errata and configuration changes to Core Build installations.
- integration with customer asset management in order to automatically configure systems.
- integration with change management, incident management and any other IT tools and processes.
- provide automated QA mechanisms.
- early integration of development teams into SOE.

SOEMP dramatically lowers the costs associated with a Core Build's quality assurance, deployment and maintenance cycle.

SOE Service Modules

Red Hat Standard Operating Environment Service starts with

- **SOEMP Design and Implementation:** in this module a Red Hat consultant together with your IT staff will design and implement SOEMP customized to your particular requirements.

The modules below are optional, so you can pick the ones which are the most suitable for you:

- **SOEMP Support:** Red Hat consulting can support you in maintaining your SOEMP. This includes integration with additional tools and processes as well as bug fixes.
- **Core Build Design and Implementation:** the Red Hat consultant will define and implement a Core Build which is fully tailored to your needs.
- **Core Build Maintenance:** the Red Hat consultant will incorporate all required errata, 3rd party bug fixes, updates into the Core Build and apply any configuration changes
- **Core Build on-site support:** having a Red Hat consultant on-site integrated into your support process and having direct access to your infrastructure may further improve issue resolution time.

WHY SHOULD I CARE?

There are many benefits in having an SOE within larger environments, such as a reduction in the Total Cost of Ownership (TCO) for the IT environment, more effective support, faster deployment times as well as standardization.

Red Hat consultants will bring best practices and experience from similar large scale projects to ensure that the SOE implementation is efficient. In addition Red Hat can provide optimal on-site maintenance and support.



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.

FOR MORE INFORMATION

For more information on the Standard Operating Environment or 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:

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