



# Systinet

Software Version: 10.04

Windows and Linux Operating System

# Support Matrix

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# Chapter 1: Prerequisites and Supported Platforms

Before installing HPE Systinet you must make sure that the environment you want to install to is appropriate and suitable for your needs.

The following sections describe the requirements and options available:

- ["Design Your Deployment" below](#)
- ["Prerequisites - Hardware" on the next page](#)
- ["Prerequisites - JDK Software" on page 6](#)
- ["Supported Database Types" on page 7](#)
- ["Supported Application Servers" on page 7](#)
- ["Prerequisites - Operating Systems" on page 8](#)
- ["Prerequisites - Browsers" on page 8](#)
- ["Prerequisites - Mail Clients" on page 8](#)
- ["Supported LDAP Implementations" on page 9](#)
- ["Prerequisites - Adobe Flash" on page 9](#)

## Design Your Deployment

- **Development**

If you are a developer, CIO, or IT manager who wants to learn the functions of HPE Systinet, this is the correct type of deployment for you. It should be on one machine and preferably on one J2EE server instance.

HPE Systinet ships with an embedded application server. Before you run the HPE Systinet installer, you must setup database and install and configure Java. Oracle XE or MSSQL Express and Oracle JDK 1.8 are satisfactory prerequisites for HPE Systinet.

Use the HPE Systinet installation wizard to install the product following the default settings. Server configuration for the application server is handled within this wizard and in the `serverstart` and `serverstop` scripts.

- **Trial Version**

If you want to evaluate HPE Systinet, you can download a Virtual Appliance (VA) trial version. You must have a VM host on your computer to run the VA trial version. The trial version contains a 60 instant-on license, which can be renewed.

To download the trial version, go to <https://www.hpe.com/us/>. Select **Products > Software > Software A-Z > Free & Trial Software**. Search for the HPE Systinet Virtual Appliance related downloads and click the **Download** link.

- **Production**

Deploying HPE Systinet for use in a production environment is flexible enough to be clustered and linked to a database and directory service on separate machines. If you are creating such a deployment, you should already have a set of tools and procedures for deploying J2EE applications and managing relational databases.

When you design your HPE Systinet production environment, you may need additional configuration options that are available in the HPE Systinet installer wizard as well as in the configuration files.

HPE Systinet supports a silent non-wizard installation that can be executed at the command-line in one step. The silent installation can easily be plugged in to higher-level orchestration and deployment engines. For advanced security hardening, decoupled DBA scenarios, or recovery and failover procedures, see the HPE Live Network or the advanced documentation at the HPE Support website.

For information on silent installation (command line), run the jar file using the `-help` option:

```
java -jar hpe-systinet-10.04.jar -help
```

## Prerequisites - Hardware

HPE recommends the following minimum hardware configuration for each physical node of a distributed production environment:

- Intel Xeon E processor family, 8 cores, 32 GB RAM, 40 GB free disk space, 1Gbps network card.
- Network bandwidth of 1 Gb/sec or higher.

For customization and evaluation purposes, HPE Systinet requires the following hardware:

- Intel Core i7 processor, 16 GB RAM, 40 GB free disk space, 1Gbps network card.
- Network bandwidth of 100Mb/sec or higher.

**Warning:** SPARC machines are not suitable for HPE Systinet deployments.

**Example:**

It is possible to evaluate HPE Systinet on a system that has the following configuration:

- x64-based PC Intel(R) Core(TM) i7-3720QM CPU @ 2.60GHz, 4 Core(s), 8 Logical Processor(s)
- Physical Memory (RAM) 16 GB
- 500GB HDD Intel(R) 7 Series Chipset Family SATA
- Intel(R) 82579LM Gigabit Network

## Prerequisites - JDK Software

HPE Systinet supports the following JDK:

- Oracle (Sun) JDK 1.8 64-bit
- OpenJDK 1.8 64-bit (Linux OS only)

**Note:** HPE Systinet supports OpenJDK 1.8 in Development Mode only.

**Caution:** As best practice for security and avoid risk, HPE recommends using the latest version of Oracle JDK.

HPE also recommends using a 64-bit operating system in conjunction with a 64-bit JDK. 32-bit operating systems may not provide sufficient memory for this version of HPE Systinet.

**To Ensure the Correct JDK is Used:**

1. Open a command prompt (cmd in Windows) or a terminal session (UNIX/Linux).
2. Execute `echo %JAVA_HOME%` (Windows) or `echo $JAVA_HOME` (UNIX/Linux).
3. Do one of the following:
  - If `JAVA_HOME` points to JDK 1.8 then proceed with installation.
  - If `JAVA_HOME` does not point to JDK 1.8 then reset the `JAVA_HOME` environment variable to a valid JDK 1.8.

**Warning:** If you have both a JDK and JRE installed, JAVA\_HOME must point to a valid JDK.

## Supported Database Types

HPE Systinet supports the following databases:

- Oracle 12c
- Microsoft SQL Server 2014
- PostgreSQL 9.5

**Note:** HPE Systinet supports PostgreSQL database in Development Mode only.

HPE Systinet supports deployment to the following database and driver combinations:

### Supported Database Drivers

Database	DB Version	Driver Packages	Driver Version	Driver Class
Oracle Database	12.1.0.1.0	ojdbc7.jar. orai18n.jar	12.1.0.1.0	oracle.jdbc.driver.OracleDriver
Microsoft SQL Server	2014	sqljdbc4.jar	4.0	com.microsoft.sqlserver.jdbc.SQLServerDriver
PostgreSQL	9.5	postgresql-9.4.1208.jar	9.4-1208	org.postgresql.Driver

**Tip:** For optimal performance, HPE recommends running a dedicated server for Systinet database. Hosting Systinet database together with other application databases on the same server also impacts the performance of Systinet significantly.

## Supported Application Servers

Systinet supports only the embedded JBoss application server. This application server is built by HPE, based on JBoss EAP 6.4.0.GA sources.

**Tip:** For optimal performance, HPE recommends running a dedicated server for Systinet application. Hosting Systinet application together with other applications and services may also impact the performance of Systinet significantly.

## Prerequisites - Operating Systems

The server running HPE Systinet must use a supported operating system.

HPE recommends the following operating systems:

- Windows Server 2012 R2
- Red Hat Enterprise Linux 7.1 and 7.2 64-bit
- Oracle Enterprise Linux 7.1 64-bit
- CentOS 7.1 64-bit
- Ubuntu 16.04 64-bit
- Debian 8.5 64-bit

**Caution:** HPE recommends using a 64-bit operating system in conjunction with a 64-bit JDK. 32-bit operating systems may not provide sufficient memory for this version of HPE Systinet.

## Prerequisites - Browsers

Client machines accessing HPE Systinet must use a supported browser. HPE Systinet supports the following browsers:

- Google Chrome 50
- Microsoft Internet Explorer 11
- Mozilla Firefox 46
- Mozilla Firefox ESR 45

## Prerequisites - Mail Clients

If you want HPE Systinet to send automatic notifications, you must use a supported mail client. HPE Systinet supports the following mail clients:

- Microsoft Outlook 2013



## Supported LDAP Implementations

When you install HPE Systinet, you can select to use an external LDAP server to retrieve information about users and groups.

HPE Systinet uses LDAP for authentication and to obtain user and group information. HPE Systinet accesses this information as read-only and never modifies it.

HPE Systinet supports the following LDAP implementations:

- Oracle Directory Server Enterprise Edition 11g
- Microsoft Windows Server 2008 Active Directory

## Prerequisites - Adobe Flash

Client machines accessing HPE Systinet require Adobe Flash Player version 20.0.

## Chapter 2: Compatibility

This section provides information about software and configurations that are not required, but which are compatible with this version of Systinet.

- ["Language" below](#)
- ["Internationalization Variances" below](#)
- ["Virtualization Products" below](#)
- ["Software Coexistence" on page 12](#)

### Language

The user interface of HPE Systinet has been extended to support multiple languages. Systinet uses the English language out-of-the-box.

### Internationalization Variances

This version of Systinet runs on all locales described in this document. There are no known variances.

### Virtualization Products

### Transparent Technology and Virtualization Support

In recent years, a number of “transparent” hardware and software technologies and virtualization solutions (such as Citrix, Microsoft Cluster Software, and VMware) have become increasingly prevalent. These solutions operate in the technology layers adjacent to the operating systems or, in some cases, as extensions of the operating systems. Similarly, database solutions offer transparent components as supported elements.

HPE supports Systinet running on operating systems and databases on particular platforms as described in ["Prerequisites and Supported Platforms" on page 4](#), not specific hardware and software configurations. HPE will support Systinet customers who run HPE software products on supported operating systems and databases, irrespective of whether they are running transparent or virtualization solutions in their environment. HP does not support these transparent or virtualization technologies directly. Since the providers of these technologies support a set of certified operating systems and hardware, the customer and the providers of these technologies will be responsible for any interactions or issues that arise at the hardware or operating system layer as a result of their use.

HPE will not require customers to re-create and troubleshoot every issue in a non-transparent environment; however, HPE does reserve the right to request that its customers diagnose certain issues in a native certified operating system environment without the transparent technology. HPE will only make this request when there is reason to believe that the environment is a contributing factor to the reported issue.

While Systinet is expected to function properly with these transparent technologies in place, there may be performance implications, which can invalidate HP's typical sizing and recommendations. Analysis must be performed within the context of the specific application to be hosted in a virtual environment to minimize potential resource overload, which can have significant impact on performance and scalability, particularly under peak load.

## Supported Product Integrations

HPE Systinet supports integration with the following products:

Product	Version	Features
UDDI Registry	v3	Import/export/synchronize data. Import/Export taxonomies (HPE SOA Registry Foundation only).
HP Business Service Management (BSM)	9.2x	uCMDB service discovery. Service entry to governance/synchronization. BSM health report monitoring.
HP Application Lifecycle Manager	11.50, 11.52, 12.00	Service test monitoring for ALM 11.50, 11.52. Requirement repository for ALM 12.00.
Layer7	7.1, 8.1	Service proxy and policy discovery. Contract deployment and status synchronization.
DataPower	6.0.1.0	Service proxy and policy discovery. Contract deployment and status synchronization.

## Software Coexistence

No coexistence information for Systinet 10.04 is available.

## Other Software Coexistence

No coexistence information for this version of Systinet is available.

## Obsolescence Plans

Please refer to [HPE Software Support Obsolescence Portal](#) to learn about versions and dates of obsolescence.