

# Blackboard Help

[Home](#) / [Learn](#) / [Administrator](#) / [Self- and Managed-Hosting](#) / [Release Notes](#) / [Individual Releases](#) /

9.1 April 2014

## Supported Technologies for Blackboard Learn 9.1 April 2014 Self-Hosted Systems

In every release, Blackboard devotes time and resources to make Blackboard Learn run on the latest operating systems, databases, and browsers available, with the goal of creating a system that is more manageable, more stable, and more user friendly.

This section highlights the major changes to the Supported Technologies and Browsers for this release. For the most up-to-date information, see Blackboard Learn Release 9.1 Service Pack (SP) 14 Supported Technologies and Browsers and Supported Technologies End User available on the Behind the Blackboard.

The following sections highlight the new Platform and Client configurations tested for this release using the following support terms:

- **Certified:** Fully supported technology with highest level of testing before release.
- **Compatible:** Fully supported technology with minimal level of testing before release.
- **Unsupported:** Unsupported technology because it is either impossible or not tested.

### 64-bit server configurations

	Application Server / JDK 1.7	SQL Server 2012 Enterprise & Standard	SQL Server 2008 R2	Oracle 11gR2	Oracle 11gR1 (64-bit)
Windows Server 2008 R2	<b>Certified</b>	<b>Certified</b>	<b>Certified</b>	Unsupported	Unsupported
Windows Server 2012 R1/R2	<b>Certified</b>	<b>Certified</b>	Unsupported	Unsupported	Unsupported
Red Hat Enterprise Linux Server 5	Compatible	Unsupported	Unsupported	Compatible	Unsupported

Red Hat Enterprise Linux Server 6	<b>Certified</b>	Unsupported	Unsupported	<b>Certified</b>	Unsupported
Sun Solaris 10	Compatible	Unsupported	Unsupported	Compatible	Unsupported
Sun Solaris 11	<b>Certified</b>	Unsupported	Unsupported	<b>Certified</b>	Unsupported

## Configuration notes

- The Oracle Advanced Security option is not supported at this time.
- Microsoft SQL Server 2008(R1) will not be supported past SP11.

## Non-English operating systems and databases

Non-English operating systems and databases, such as a Chinese-language version of Oracle, are considered compatible with Blackboard Learn.

## Oracle RAC

It is *strongly* recommended by Blackboard that for purposes of system management Blackboard Learn be installed on a single instance of Oracle. If for reasons of Institutional Policy you must run Blackboard Learn in a RAC environment you may do so, but Blackboard will only support the installation at the Learn-Oracle JDBC layer - *not at the Oracle RAC layer*. To learn more about running Blackboard Learn with RAC, see [Oracle RAC Support](#).

Blackboard offers support for RAC with all versions of Oracle supported by Blackboard. For information about running Blackboard Learn with RAC, see [Oracle RAC Support](#) on UNIX.

## Hybrid configurations

Red Hat/Solaris hybrid configurations have not been tested and are not supported.

## TLS configuration

Blackboard Learn now only runs over TLS. To learn more, see the [TLS Configuration](#) section of Install and Upgrade.

## Java platform (Java SE JDK Support)

JDK 1.7 is supported as well as newer versions of the Java SE JDK. JDK 1.6 is not supported.

## Virtualization

VMware® ESX Server 5 (Linux® and Windows®) is the only configuration Certified by Blackboard for Release 9.1.

Blackboard supports other virtualization solutions as long as Blackboard and the hypervisor support the guest operating system.

In addition to VMware, Blackboard has experience with Citrix XenServer 5.5, Solaris 10 Zones and Red Hat® Enterprise Linux® 4 & 5 Xen

---

Copyright©2018. Blackboard Inc.