



## Browser Support for SP 12

**Tip:** Not sure what version you're using? See [How to Determine Your Version of Learn](#).

The following tables highlight the new platform and browser configurations tested for SP 12 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.

### Microsoft Windows

	Internet Explorer 10	Internet Explorer 9	Internet Explorer 8	Firefox ESR <sup>1</sup>	Firefox (Final Release Channel) <sup>2</sup>	Chrome (Stable Channel) <sup>3</sup>
<b>Windows XP (32-bit)</b>	Unsupported by Microsoft	Unsupported by Microsoft	Compatible	<b>Certified</b>	Compatible	Compatible
<b>Windows Vista (32-bit)</b>	Unsupported by Microsoft	<b>Certified</b>	Compatible	<b>Certified</b>	<b>Certified</b>	Compatible
<b>Windows Vista (64-bit)</b>	Unsupported by Microsoft	Compatible	Compatible	<b>Certified</b>	Compatible	Compatible
<b>Windows 7 (32-bit)</b>	Compatible	<b>Certified</b>	Compatible	<b>Certified</b>	<b>Certified</b>	<b>Certified</b>
<b>Windows 7 (64-bit)</b>	<b>Certified</b>	<b>Certified</b>	Compatible	<b>Certified</b>	<b>Certified</b>	<b>Certified</b>
<b>Windows 8 (32-bit)</b>	Compatible	Unsupported by Microsoft	Unsupported by Microsoft	<b>Certified</b>	<b>Certified</b>	<b>Certified</b>
<b>Windows 8 (64-bit)</b>	<b>Certified</b>	Unsupported by Microsoft	Unsupported by Microsoft	<b>Certified</b>	<b>Certified</b>	<b>Certified</b>

## Apple Mac OS

	Safari 6.0.1	Safari 5.1	Safari 5.0	Safari 4.0	Firefox ESR <sup>1</sup>	Firefox (Final Release Channel) <sup>2</sup>	Chrome <sup>4</sup> (Stable Channel) <sup>3</sup>
Mac OS X 10.6	Unsupported by Apple	Certified	Certified	Compatible	Certified	Certified	Certified
Mac OS X 10.7	Certified (10.7.5)	Certified	Unsupported by Apple	Unsupported	Certified	Certified	Certified
Mac OS X 10.8	Certified (10.8.2)	Certified	Unsupported by Apple	Unsupported	Certified	Certified	Certified

<sup>1</sup> Firefox ESR is a release of Firefox intended for groups who install and maintain the desktop environment in large institutions. More information is available at <http://www.mozilla.org/en-US/firefox/organizations/>.

<sup>2</sup> The Firefox Release Channel is the fully tested version by Mozilla and intended to be the most stable. This channel is updated roughly every six weeks. More information is available at <http://blog.mozilla.com/blog/2011/04/13/new-channels-for-firefox-rapid-releases/>.

<sup>3</sup> The Chrome Stable Channel is the fully tested version by Google and intended to be the most stable as the name implies. This channel is updated roughly every 2-3 weeks for minor releases and 6 weeks for major releases. More information is available at [www.chromium.org](http://www.chromium.org).

<sup>4</sup> The Mac OS X version of Chrome browser does not support Java 7 - more information is below under the heading **JRE Support**

## Technologies Not Supported

The following technologies are **not** supported in SP 12:

- Internet Explorer 6, 7
- Firefox 1.x, 2.0, 3.0, 3.5, and 3.6
- Safari 2.0, 3.x and any version on Windows
- Windows XP 64-bit
- Mac OS X 10.3, 10.4, 10.5
- Java 5, although it may continue to work

## Other Support in SP 12

## Accessibility and JAWS

Blackboard strives to make all its products as accessible as possible. JAWS for Windows 13 and 14 were used during accessibility testing in SP 12.

## JRE Support

JRE (Java Runtime Environment) is not required for users to access and interact with the Learn platform with the exception of the following features and tools:

- Learn collaboration tools virtual classroom and chat
- Multiple-file uploads

Blackboard has tested and supports these features with version 7 JRE. JRE 6 may work, but could result in unexpected behavior. The JRE can be downloaded from <http://www.oracle.com/technetwork/java/javase/downloads/index.html>. Windows system administrators who want to provide auto-download for users can find the.cab file link for the appropriate JRE at <http://www.oracle.com/technetwork/java/javase/autodownload-140472.html>.

For information about security and JRE, see this [Blackboard Security Advisory](#).

On Apple Mac OS X, the Chrome browser does not support Java 7. Firefox and Safari browsers do not have this limitation on Mac OS X. Users of the Chrome browser on Mac OS X must configure Java 6 support in order to access the features listed above. Directions for this configuration are provided by Apple at [http://support.apple.com/kb/HT5559?viewlocale=en\\_US](http://support.apple.com/kb/HT5559?viewlocale=en_US)

## Java Applet Code Signing

Java applets bundled with Blackboard Learn 9.1 SP 12 are now signed with a timestamping authority, <https://timestamp.geotrust.com>, which certifies that the Blackboard code signing certificate was valid at the point in time when the applet was signed. Web browser client JDKs that trust the timestamping authority will run the applets without error, even after the Blackboard code signing certificate expires. All JDKs since version 1.5 trust this timestamping authority by default.

