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# Browser Support for 9.1 SP 9

## Microsoft Windows Operating System

	Internet Explorer 9	Internet Explorer 8	Firefox (Final Release Channel)*	Firefox 3.6	Chrome (Stable Channel)**
Windows XP (32-bit)	Unsupported	Compatible	Compatible	Compatible	Compatible
Windows Vista (32-bit)	<b>Certified</b>	Compatible	<b>Certified</b>	Compatible	Compatible
Windows Vista (64-bit)	Compatible	Compatible	Compatible	Compatible	Compatible
Windows 7 (32-bit)	<b>Certified</b>	Compatible	<b>Certified</b>	Compatible	<b>Certified</b>
Windows 7 (64-bit)	Compatible	Compatible	Compatible	Compatible	Compatible

## Apple Mac OS Operating System

	Safari 5.1	Safari 5.0	Safari 4.0	Firefox <sup>1</sup> (Final Release Channel)	Firefox 3.6	Chrome (Stable Channel)
Mac OS X 10.5 "Leopard"	Unsupported	Compatible	Compatible	Compatible	Compatible	Compatible
Mac OS X 10.6 "Snow Leopard"	<b>Certified</b>	<b>Certified</b>	Compatible	<b>Certified</b>	Compatible	<b>Certified</b>
Mac OS X 10.7 "Lion"	Certified	Unsupported	Unsupported	<b>Certified</b>	Unsupported	<b>Certified</b>

<sup>1</sup> Firefox 8 and Mac OS are not compatible with the drag and drop functions on Blackboard Learn.

\*The Firefox Release Channel is the fully tested version by Mozilla and intended to be the most stable. This channel is updated roughly every 6 weeks. For further detail on Firefox, please review the material available at <http://blog.mozilla.com/blog/2011/04/13/new-channels-for-firefox-rapid-releases/>.

\*\*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. For further detail on Chrome, please review the material available at [www.chromium.org](http://www.chromium.org).

## Accessibility and JAWS

Blackboard strives to make all its products as accessible as possible. JAWS for Windows 11 and 12 were used during accessibility testing for SP9.

## JRE Support

Blackboard Learn requires the latest version of Sun JRE 6 or JRE 7. 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>.

## Java Applet Code Signing

Java applets bundled with Blackboard Learn 9.1 SP9 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.

## Technologies Not Supported

The following technologies are not supported:

- Internet Explorer 6, 7
- Firefox 1.x, 2.0, 3.0, and 3.5
- Safari 2.0, 3.x and any version on Windows
- Mac OSX 10.3, 10.4 "Tiger"
- Java 5, although it may continue to work

## Deprecation of Supported Technologies

Deprecation is a standard software practice to notify the community of future removal of support. These technologies are still tested and expected to perform in the intervening releases until the release in which they are removed from support.

- Mac OS X 10.5 "Leopard" will no longer be supported with the release of 9.1 Service Pack 10.

