

Configuring JAWS for Use with SAP Software



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Icon	Meaning
	Caution
	Example
	Note
	Recommendation
	Syntax

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Typographic Conventions

Type Style	Description
<i>Example text</i>	Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options. Cross-references to other documentation.
Example text	Emphasized words or phrases in body text, graphic titles, and table titles.
EXAMPLE TEXT	Technical names of system objects. These include report names, program names, transaction codes, table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE.
Example text	Output on the screen. This includes file and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools.
Example text	Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.
<Example text>	Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.
EXAMPLE TEXT	Keys on the keyboard, for example, F2 or ENTER.

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Configuring JAWS for Use with SAP Software



This document is an SAP Note for customers and is not part of the SAP product documentation.

JAWS for Windows is a [screen reader program \[External\]](#) for Microsoft Windows marketed by Freedom Scientific. This documentation describes the settings you need to make to use the JAWS for Windows screen reader with SAP software.

By exposing the SAP GUI object model, SAP has met the technical requirements for screen readers to work together with SAP GUI. SAP currently only supports JAWS for Windows.

Details about the supported JAWS for Windows versions are available in SAP Note 988421.



Configuring JAWS for Use with SAP GUI for Windows

Technical Requirements

You have installed SAP GUI for Windows 6.40 (or higher). The latest version of SAP GUI for Windows is available on SAP Service Marketplace at service.sap.com/sapgui. Follow the configuration instructions for SAP GUI for Windows and JAWS integration as stated in SAP Note 740785.

Details about the supported JAWS for Windows versions are available in SAP Note 988421.

To use the JAWS for Windows screen reader with SAP GUI for Windows, you must install the add-on *SAP GUI Screenreader-Extension* on SAP GUI for Windows and the screen reader itself. SAP provides you with this add-on for free. Check SAP Service Marketplace for the latest version of *Screenreader-Extension-Setup*. More information is available in SAP Note 740785.

To activate the *SAP GUI Screenreader-Extension* add-on for the screen reader, enable SAP GUI scripting on the application server. More information is available in SAP Note 480149.

Recommended JAWS Settings

We recommend the following settings when you use JAWS with an SAP system and SAP GUI for Windows.

Settings in the JAWS Options

Option	Setting
Verbosity options	Tool tips are enabled.
Cursor options	Notify when cursor changes shape
Braille options	Structured mode is activated.

Recommended Procedure

Check the JAWS settings named above as follows:

1. Start JAWS for Windows.
2. Use *SAP Logon* to log on to an SAP system with SAP GUI for Windows.

3. On the initial screen of the SAP system with SAP GUI for Windows, start *JAWS Configuration Manager* with the key combination `insert + 6`.



When you use the key combination `insert + 6` to start *JAWS Configuration Manager* from an application, JAWS loads the configuration manager with this application's profile. The profile file for SAP GUI for Windows is `SAPFRONT.JCF`.

4. In *JAWS Configuration Manager*, choose *Set Options* and then *Verbosity Options*.
 - a. Choose *Beginner Preferences*.
 - b. In the beginner preferences, select *Tool Tip*.
 - c. Also select *Tool Tip* in the intermediate and advanced preferences.
5. In *JAWS Configuration Manager*, choose *Set Options* and then *Cursor Options*.
 - a. Select the *Notify when cursor changes shape* flag.

If the Web browser is running in the background, the cursor changes its shape to signalize a waiting state. If this setting is activated, you are notified when the Web browser ends its waiting state.
6. To set structured mode, go to *JAWS Configuration Manager*, and choose *Set Options* and then *Verbosity Options*.
 - a. Under *Braille Mode*, choose *Structured*.

The SAP GUI screen reader extension supports only structured mode for JAWS.
7. Save the new settings in *JAWS Configuration Manager* and then close *JAWS Configuration Manager*.



Configuring JAWS for Use with the Portal

Recommended JAWS Settings for the Portal

To use JAWS in the Portal and in SAP applications based on the technologies HTMLB, BSP, and Web Dynpro, you must disable the PC cursor of JAWS.



The open concept of the Portal can, however, require you to navigate to the virtual PC cursor for other applications or external content. To make this possible, you must leave the virtual PC cursor of JAWS enabled, or enable it as required.

Details about the supported JAWS for Windows versions are available in SAP Note 988421.

We recommend the following settings if you want to use JAWS in the Portal or in SAP applications based on HTMLB, BSP, or Web Dynpro.

Settings in the JAWS Options

Option	Setting
Advanced options	Virtual PC cursor is disabled.
HTML options	<p><i>Custom Search String</i> that contains the following activated for graphics</p> <p>title alt src</p> <p><i>Custom Search String</i> that contains the following activated for links</p> <p>title alt src href</p>
Verbosity options	Tool tips enabled in the beginner, intermediate, and advanced preferences.
Cursor options	Notify when cursor changes shape

Recommended Procedure

Check the settings in the JAWS options named above as follows:

1. Start JAWS.
2. Start the Web browser.
We recommend Microsoft Internet Explorer for accessibility.
3. From this Web browser window, start *JAWS Configuration Manager* with the key combination `insert + 6`.



When you use the key combination `insert + 6` to start *JAWS Configuration Manager* from an application, JAWS loads the configuration manager with this application's profile.

4. In *JAWS Configuration Manager*, choose *Set Options* and then *Advanced Options*.
 - a. Deselect *Use Virtual PC Cursor*.

This setting is mandatory if you want to use JAWS in the Portal or in any applications based on HTMLB, Business Server Pages (BSP), or Web Dynpro Java/ABAP Frameworks.



The open concept of the Portal can require you to navigate to the virtual PC cursor for other applications or external content. You can enable or disable the virtual PC cursor for the duration of a JAWS session by pressing the `Y` key twice while keeping the `insert` key pressed. This means you do not have to access the advanced options of *JAWS Configuration Manager*. This gives you the option of choosing one of the two modes, depending on the content of the current page. If you are not sure which mode you need, first try your application with the virtual PC cursor disabled. This is the default mode for navigation.

5. In *JAWS Configuration Manager*, choose *Set Options* and then *HTML Options*.
 - a. On the *Graphics* tab page, select *Custom Search String*. Use the default entry **title | alt | src** as a search string for graphics.
 - b. On the *Links* tab page, select *Custom Search String*. Use the default entry **title | alt | src | href** as a search string for links.
6. In *JAWS Configuration Manager*, choose *Set Options* and then *Verbosity Options*.

- a. Choose *Beginner Preferences*.
 - b. In the beginner preferences, select *Tool Tip*.
 - c. Also select *Tool Tip* in the intermediate and advanced preferences.
7. In *JAWS Configuration Manager*, choose *Set Options* and then *Cursor Options*.
- a. Select the *Notify when cursor changes shape* flag.
If the Web browser is running in the background, the cursor changes its shape to signalize a waiting state. If this setting is activated, you are notified when the Web browser ends its waiting state.
8. Save the new settings in *JAWS Configuration Manager* and then close *JAWS Configuration Manager*.