

Restricted and Non-Restricted Browsers Overview

As part of WebSP 2010, you can access and download a few specialized Windows applications providing features not possible to implement when accessing WebSP in a regular browser application, like Internet Explorer, Safari or Firefox. These special WebSP Browsers only run on Windows and should be installed on WebSP learner and/or SP data entry stations by WebSP administrators and local client computer administrators. They represent an optional way to access WebSP and by no means necessarily replace your existing browsers. You may decide you want to try these apps if you are interested in one of the following two features:

- making sure your learners (and perhaps your SPs as well) can not do anything on their computers beyond accessing WebSP and doing their data entry tasks. Essentially, eliminating the chance of cheating by using the internet or by communicating with their peers using the computers.
- using magnetic or proximity swipe cards to simplify learner or SP login to WebSP.

Please read on if you are interested in using any of these features of the special WebSP browser applications.

There are two versions of WebSP Browser Applications available for downloading and using on computers running Windows in WebSP 2010: the Restricted Browser and the Non-Restricted Browser.

Restricted Browser:

The Restricted Browser can be used to restrict users in their use of the computer during WebSP data entry.

For example, if you do not want Learners/or SPs to open another browser window to look something up on the Internet or open any other application, use the Restricted Browser feature.

The Restricted Browser disables certain hot keys (or keyboard shortcuts) to ensure that WebSP is always the only application in use; therefore, making using any other programs very difficult.

Non-Restricted Browser:

The Non-Restricted browser allows users to log in to WebSP using magnetic swipe cards or proximity cards. Other than that, it is identical to using Internet Explorer for WebSP access, i.e. there are no limitations enforced regarding other running applications or task switching, as explained above for the Restricted Browser.

Swipe Card Login

Magnetic swipe cards or proximity cards can be used to log in to WebSP with both the Restricted and the Non-Restricted WebSP browser applications.

Details

The Restricted Browser is characterized by the following features:

- Surfing the internet is disabled while using Restricted Browser.
- Right-clicking with the mouse is disabled.
- Minimizing the WebSP window is disabled.
- The use of Windows Task Manager (activated normally by pressing the ctrl-alt-del key combination) is disabled.
- The Restricted Browser can only be run on computers with a single monitor.
- Running the restricted browser in a virtual computer (e.g. with VMware) is detected and disabled.
- Login using magnetic swipe cards is supported.
- The user's interaction with WebSP is continuously checked and validated to ensure they are using an original, untampered restricted browser application, i.e. WebSP can trust that the user is truly restricted in their use of the client computer. If the system is compromised, the server will not allow the further use of WebSP.
- If a user attempts to navigate away from WebSP or close the Restricted Browser window through any means, the browser will become inactive, and will quit. At the same time the key combination causing termination of the browser is saved in WebSP logs, helping in further investigating on what exactly happened in case of learner complaints.

Details

The Non-Restricted Browser is characterized by the following features:

- Allows magnetic swipe cards
 - The magnetic swipe cards login makes it possible to identify the WebSP user by the use of a unique login card and enables faster and more convenient login to WebSP. The magnetic swipe card contains the user's unique ID number, which is stored in WebSP.
- Non-Restricted Browser behaves exactly like any other ordinary browser allowing for opening additional browser windows and program applications.
- The Task Manager is enabled.
- Alt+Tab key combination is enabled.

Set Up

Restricted Browser

Must be performed by a user with Windows Administrator privilege

1. From the WebSP Homepage, click “System”.
2. Click on “WebSP Client Setup link”.
3. Download and Save the WebSP Client Setup file to the client computer.
4. If you wish to use the Restricted Browser on the client computer, open the WebSP Client Setup (run WebSPClientSetup.exe file from your computer)
5. Select “Disable Task manager” checkbox*.
6. Press Exit to close the WebSP Client Setup application.
7. Return to the WebSP “System” page.
8. Depending on which browser you would like to use: Download and Save the Restricted (WebSPBrowser-a.exe) AND/OR the Non-Restricted (WebSPBrowser-b.exe) browser files to the client computer.
9. Open/Run the executable file of the Restricted or Non-Restricted Browser on the client computer.
10. Switching to and from Restricted and Non-Restricted browsers is possible by running the executable file of the preferred browser type on the client computer.

Tip 1: Disabling the Task Manager can only be done properly if the user who will run the Restricted Browser is logged in to Windows (the same restriction applies for the running of the program at startup).

**This will disable the Task Manager for all Windows user accounts, which is a requirement for the Restricted Browser to run.*

Tip 2: Save the executable files of the Restricted and Non-Restricted Browser to those folders where the user has privilege to run them (save them to Shared Documents folder, for example).

Magnetic swipe cards reading device

If you wish to use a Card Reading device, please continue with the following steps:

11. Own/Purchase a Card Reader device – possibly one with keyboard emulator feature.
 - *We recommend pcProx as tried and tested (more information available at http://www.rfideas.com/products/pcprox_readers/).*
12. To register the card reader on the computer, run the WebSP Client Setup.
13. Before the first use, you will see a status indication "Not Assigned". This means that the card reader has not been detected yet.
14. To detect the card reader, please push the "Get Card Reader Device ID" button, and then pull the card over the reader device.
15. Press the Exit button to close the WebSP Client Setup application.
16. After you have completed the previous step, you are able to log in at the WebSP login page anytime using your card and the Restricted or Non-Restricted browsers.
17. This process must be repeated on all computers before the first use with card reader.

With any further questions, please do not hesitate to contact our Support Team at support@lionis.net.