

medDream

MedDream extension for multi-monitors (beta) setup manual for MedDream viewing functionalities version 8.9.1

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Features and limitations

Improvements in beta version of MedDream DICOM Viewer Chrome browser extension for multi-monitors:

- Reliable monitor detection. The monitors are detected when starting the session and may be updated when configuration changes without requiring a session restart.
- Configuration option available that removes the browser window elements (like address bar) possible. The diagnostic image area uses the whole screen.



NOTE! The MedDream extension for multi-monitors (beta) should be used with the latest MedDream software versions 8.9.0.

Extension installation

The beta version of a new MedDream DICOM Viewer Chrome browser extension for multi-monitors may be found in Chrome Web store and added to the Chrome browser in the same way as order version of the Chrome extension (also available in Chrome Web store). See section “MedDream DICOM Viewer Chrome browser extension for multi-monitors” in the document MedDream viewing functionalities, Annex I of MedDream USER MANUAL v8.9.0.

The system also provides possibility to access the Chrome Web store page directly from the Viewer window by selecting the “Multi-Monitor Setup” menu option in the expanded System tool menu:

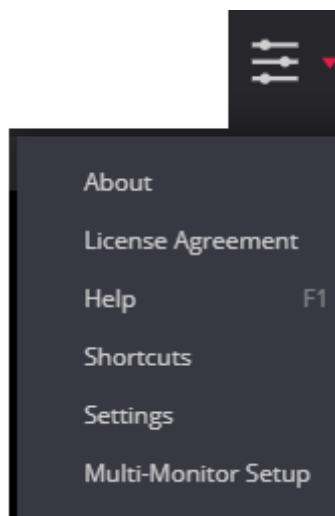


Figure 1. Multi-Monitor Setup menu in the System tool menu of the Viewer window

The menu opens the Chrome Web store page, if extension is not added or outdated, or the extension configuration page otherwise.



NOTE! After installing the extension, it is recommended to close and reopen all the Chrome browser windows/tabs with MedDream Viewer running.

Extension configuration

The Extensions icon  is displayed at the right side of the Chrome browser address entry bar, if there are extension added. Click the icon to extend the list of available extensions:

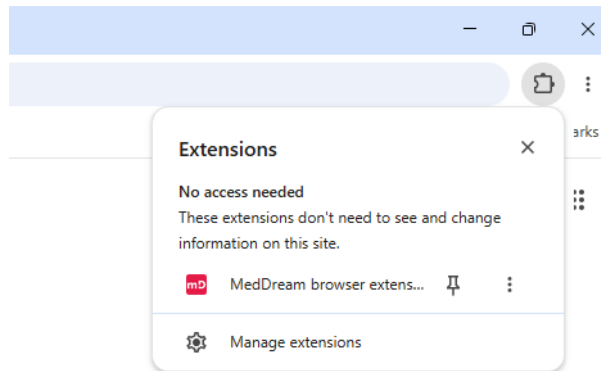


Figure 2. Chrome browser extension list

Click the MedDream browser extension for multi-monitors (beta) in the Chrome browser extension list to open the extension configuration window:

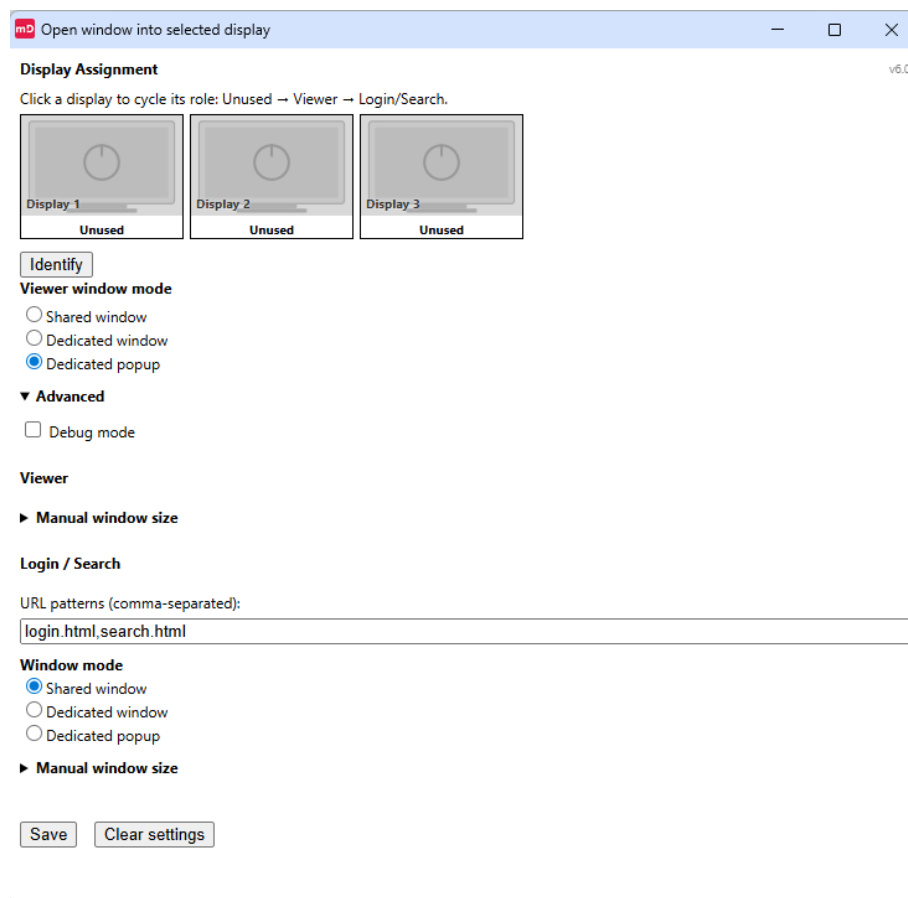


Figure 3. MedDream browser extension for multi-monitors (beta) configuration window



NOTE! The extension configuration may also be opened directly from the Viewer window by selecting the “Multi-Monitor Setup” menu option in the expanded System tool menu.

The user can change the following configuration:

1. Assign monitors.
 - Check the **Debug mode** check box if you want to inspect extension logic and calculations (view window position and size). The display configuration will show information about founded window and options that will try to apply. See point “Manual window size” For defining the window manually.
 - Click the **Identify** button to show Display number at the bottom left corner of each display (PC monitor) to verify display order in the extension configuration.
 - Click on the Display box to select it as Viewer window, Search/Login window, or unused window.

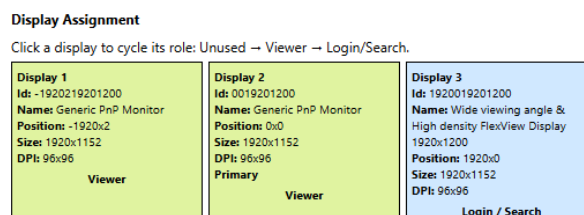


Figure 4. Display assignment in MedDream browser extension for multi-monitors (beta) configuration

2. Set Viewer window opening mode by selecting one of the available options:
 - Shared window: Viewer window opens in a shared window on the selected display. Additional tabs open in that same window.
 - Dedicated window: Viewer window opens in its own window on the selected display.
 - Dedicated popup: Viewer window opens in its own popup on the selected display. The option excludes the browser address bar or browser tabs and is set as default for Viewer window mode.
3. Configure Login / Search window opening
 - Write appropriate URL context path or part in “URL pattern” entry field. This will be used to find matching URL in new opened or refreshed windows. By default the extension is configured with “login.html” and “Seach.html”.

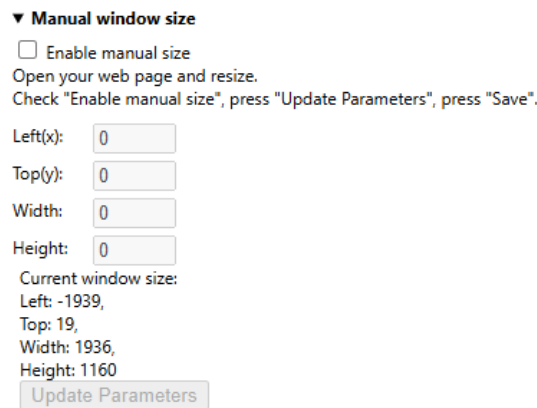


NOTE! Settings will not be saved if URL context path is empty.

- Set Login / Search window opening mode by selecting the option in Window mode. The options are described in 2. Above (section Viewer window mode). Shared window is selected as default
4. Manual window size

It is useful to set custom position and size if displays (PC monitors) are not the same size or different DPI.

 - The size and position of the opening window may be set manually for both the Viewer window, and the Login / Search window. Expand the **Manual window size** for the one, which you want to configure:



▼ **Manual window size**

☐ Enable manual size

Open your web page and resize.
Check "Enable manual size", press "Update Parameters", press "Save".

Left(x):

Top(y):

Width:

Height:

Current window size:
Left: -1939,
Top: 19,
Width: 1936,
Height: 1160

Figure 5. Configuring window size manually

- Check the **Enable manual size** check box to enable attribute entering.
- Enter the matching window position (Left, and Top inputs) and size (Width, and Height inputs).
- You can use automated position and size detection. If the user opens a new window, position and resize this window, and then in the same window opens extension option window, the calculated current window size and position should be displayed under the "Current window size". Pressing the **Update Parameters** button quickly fills **Left**, **Top**, **Width** and **Height** inputs with values of current active window



NOTE! Settings will not be saved, if manual window size is enabled, but position or size inputs are left empty.

After entering the configuration options, **Save** it. Extension is using [chrome.storage.local](#) to save all data. The previously saved configuration may be cleared by pressing the **Clear settings** button. All the fields in extension configuration window reset to default values.

Extension working

After the extension is properly configured and configuration is saved, it automatically detects the opened MedDream DICOM Viewer window, resizes it and places in the dedicated display.

Depending on Your monitors setup, it is recommended to use appropriate horizontal or vertical thumbnail panel placement.



NOTE! If using multiple viewports layout with several monitors in Chrome browser and with automatic window placement, the system displays the whole viewport inside one monitor and maximize the viewport inside one monitor.



NOTE! For proper Viewer window placement in several monitors, the monitor resolution and window scale must be the same.



NOTE! When opening MedDream for the first time on a particular browser, you should get a prompt that the website wants "manage windows on all your displays", and then click "Allow". If not prompted, or previously blocked, this can be adjusted by clicking the "lock" icon near the URL, choosing "Site settings" and looking for "Window management" there.

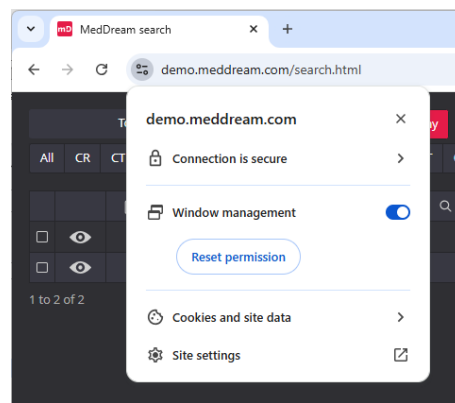


Figure 6. Enabling window management for the site



Figure 7. MedDream DICOM Viewer on 3 displays with dedicated pop-up Viewer window mode configured

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MedDream is manufactured by MedDream UAB.
Medical device class: Regulation (EU) 2017/745
Class IIb medical device
FDA cleared K222320
ID of the notified body: 0197
Document version 1.0
Date of issue: 2026-10-01
Language: EN

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CE 0197
Class IIb certified

FDA K222320
CLEARED 510(k)