Inteset Secure Lockdown™ ver. 2.0

Browser Edition

for

Windows

User Guide

Contents

Welcome

Thank you for purchasing Inteset Secure Lockdown™ v2 – Browser Edition for Windows. This simple, but powerful program will enable you to run the Google Chrome and Microsoft Edge browsers as a digital signage or kiosk platform uninhibited by the Windows Desktop and unwanted keystrokes. Secure Lockdown™ will run in the background and enable Chrome or Edge to run exclusively and customized to your needs. It will ensure that the browser stays running.

Inteset Secure Lockdown™ v2 – Browser Edition includes the following features:

- Secure Lockdown runs as a hidden background application
- Removes the Windows Taskbar and Start button
- Removes Desktop actions and features such as:
    - Desktop right-click menu
    - Task Manager access
    - CTRL-ALT-Delete functions
    - System shutdown or logoff
    - Windows Ease of Access
    - Windows Help and Support
- Disables numerous keystrokes including:
    - Alt-tab
    - Alt-F4
    - Alt-Esc
    - Alt -Shift-Esc
    - CTRL-Esc
    - CTRL-Shift-Esc
    - Windows Keys
    - F1 (Windows Help) F3 (Windows Search)
- Allows for independent user accounts that use or do not use Secure Lockdown on one computer
- Off-line trial and product activation (Internet connection not needed)
- Runs Google Chrome or Microsoft Edge as the exclusive kiosk or digital signage type program
- Command-line and unattended installation and enable/disable handling
- Allows for many browser customizations not available through the Chrome or Edge interface.
    - Run the browser in Kiosk mode
    - Keeps the browser running (if it is closed)
    - Keep the browser maximized (if it is minimized)
    - Ability to remove individual menu bars and menu options
    - Prevent printing, open dialog, files downloads, and other potentially unwanted features of Chrome or Edge
    - Restrict access to only certain websites (white listing)
    - Return to the homepage and delete browser history and cache after a defined period of inactivity

    - More…
- Remotely manage Secure Lockdown systems

Users of your system will only have access to either Chrome or Edge. Administrators of the locked down system, can easily and quickly manage the Secure Lockdown™ settings with just a few button presses.

It is recommended that you read the following sections of this guide to ensure that you have a complete understanding of the capabilities of Secure Lockdown™ v2 - Browser Edition.

System Requirements

The list below describes the system requirements of Secure Lockdown™.

- Runs with any version of Windows 7 or 10
- .Net 4.5.2 or higher
- Google Chrome or Microsoft Edge version 75 or higher (Note that both browsers follow the same versioning as they are based on the Chromium browser - an open-source browser project that aims to build a safer, faster, and more stable way for all Internet users to experience the web.
- Secure Lockdown™ must run under an administrator account (the logged in user must have administrator privileges). Secure Lockdown **cannot** "Run as administrator" under a Standard User account.

  Note: Secure Lockdown, when enabled, effectively converts the administrator account into a highly restricted *Standard User* account. In addition, it adds many security enhancements and access limitations both fixed and customizable.

- An Internet connection on the system in which the software is installed is recommended for simple product activation (off-line activation is available).
- Windows User Account Control (UAC) should be disabled. If it is not disabled while Secure Lockdown is enabled, upon logging into the locked down account, users can answer "no" to the UAC prompt, then bypass many of the lockdown features Secure Lockdown employs.
- Antivirus software should be either configured to allow Secure Lockdown to run uninhibited or disabled entirely as Secure Lockdown needs to write to the HKLM portion of the Windows Registry and some antivirus software prevents this. Antivirus software can also prevent the *Alt-Shift-S* Secure Lockdown configuration tool from launching. This could prevent the ability to disable Secure Lockdown if it has been enabled. Note that if *Windows Defender* is used, an exception should be created for the "C:\Program Files (x86)\Inteset\Secure Lockdown" folder.
- It is highly recommended that a second, password protected local administrative account be set up on the system as a security and recovery measure.

Use with Tablets and Touch Devices

Secure Lockdown supports tablets and other Windows touch devices that do not use physical keyboards. However, certain precautions need to be taken particularly during the Secure Lockdown testing phase. During the testing phase, it is recommended that a physical keyboard such as a USB or blue-tooth keyboard be configured before enabling Secure Lockdown. This will ensure that you have access to the *Alt-Shift-S* hotkey that invokes the Secure Lockdown configuration utility and allows you to disable Secure Lockdown. In addition, you may need to set up a virtual keyboard (on-screen keyboard) that starts when Windows starts (see the *On-screen Keyboard Helper* topic later in this guide.) The default Windows on-screen keyboard does not include an "Alt" key that is needed for the Alt-Shift-S key sequence. Thus, if Secure Lockdown senses that no physical keyboard is available, it will automatically set the default virtual keyboard to "Compatibility Mode" which will convert it to a full keyboard.

Installation

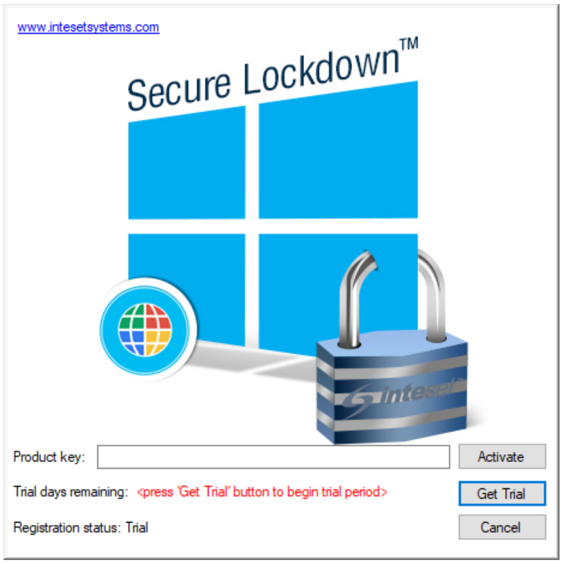
Installing Secure Lockdown™ v2 is simple and quick. It is the same installation process as required by many standard Windows applications. The only requirements of the installation are that **you must be logged in as an administrator** of the system. Assuming that you have the proper privileges and that you have downloaded the Secure Lockdown™ v2 installation file, you can begin the installation procedure by double-clicking on the "IntesetSecureLockdown_v2_CME.exe" file and following the instructions displayed by the installation application. Once the installation is complete, you can launch Secure Lockdown™ by selecting the *Windows Start* button, then *Programs*, then *Inteset*, then *Secure Lockdown v2*.

Product Activation

The Inteset Secure Lockdown™ software has a trial period of 30 days whereby you can use it without purchasing it. This is ample time to determine if it is right for your needs. Just select the *Run Trial* button to run the full featured trial.

Note: The trial activation process requires that the computer has a connection to the Internet. If it does not, you will be prompted to use an off-line method of activating the trial version of Secure Lockdown.

If you wish to activate the product, you should purchase it from the http://www.intesetsystems.com store and obtain a Product Key which will be emailed to you. Upon starting Secure Lockdown™, you will notice the following splash screen that allows you to enter the product key you've purchased.



Product key:

Trial days remaining: <press 'Get Trial' button to begin trial period>

Registration status: Trial

Paste the product key from the email in the *Product Key* field, then press the *Activate* button.

Note: This process requires that the computer has a connection to the Internet. If it does not, you will be prompted to use an off-line method of activating Secure Lockdown. In addition, for high volume license purchases, Inteset provides Off-line Licensing (where no internet connection is ever used on the system.) Please contact Inteset sales to learn more about this type of licensing.

The software will be activated and the splash screen will close. At this point, Secure Lockdown™ will be running in the background and there is no visible indication that it is running. To display the Secure Lockdown™ utility, press the *Alt-Shift-S* keyboard sequence.

Deactivate the Secure Lockdown License

If you purchase Secure Lockdown and activate the license on a computer, and decide later that you want to move the license to another computer, you must *deactivate* the license on the initial computer first. Do not uninstall the application before deactivating it. You can deactivate a license by going to the *Help > About* tab in the Secure Lockdown configuration utility, then press the *Deactivate* button. Note that the *Deactivate* button will only appear if the Secure Lockdown license has been activated on the computer.

Managing Licenses

If you purchase more than one license, you can view the status and manage your licenses on the Inteset.com website. This is useful if you need to:

- View how many licenses are activated for a particular purchase/order
- View the Secure Lockdown machine ID's of each activation
- Determine which computers are activated under which product key
- Merge a product key (and its associated licenses) into a previous product key
- Transfer a product key and associated licenses to another account

To access these features, go to https://services.inteset.com/customer/info and log into your account. Choose the *My Account* menu option, then select the *Manage Licenses* option. You can learn more about Secure Lockdown licensing at https://www.inteset.com/secure-lockdown-licensing-explained.

Managing Devices

Inteset offers Remote Management Services (RMS) which allows you to manage your Secure Lockdown devices remotely. Many features are free including viewing the system information and status of each device, viewing a screenshot of current activity, and updating the system to the latest release of Secure Lockdown. Other features include:

- change the Secure Lockdown settings (beta)
- modify settings in batch (beta)
- change the Secure Lockdown password (beta)
- restart the system (beta)
- enable and disable Secure Lockdown (beta)
- send email alerts when Secure Lockdown is not running (beta)

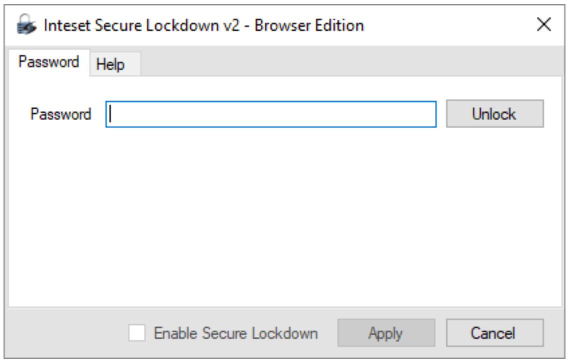
To enable this feature, register Secure Lockdown with the service as described under the "Help Tab > Remote Management" section of this guide.

Secure Lockdown™ v2 Usage

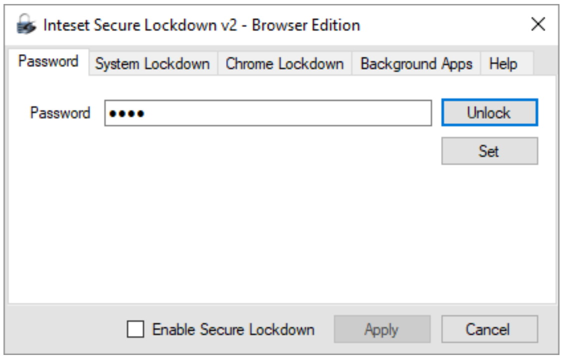
Once Secure Lockdown is installed, from the *Windows Start* button, *Programs*, *Inteset* menu, double-click on *Secure Lockdown v2*. From here, Secure Lockdown will be running in the background. The configuration screen can be invoked by pressing the *Alt-Shift-S* keyboard key sequence.

Password Tab

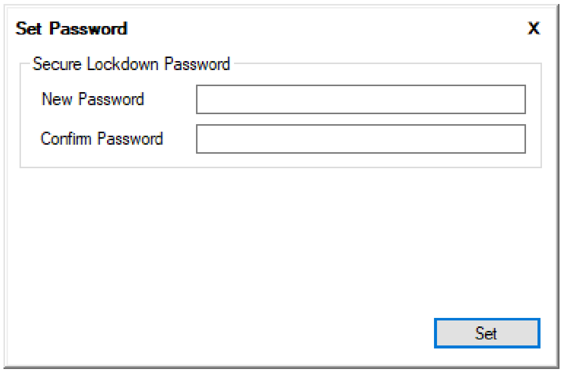
Once Secure Lockdown™ is running in the background, press the *Alt-Shift-S* keyboard key sequence to display the configuration screen (as shown below). From here, you will need to enter a password into the *Password* field before using it. For first time use, there is no password required and full access to the configuration utility is available. A password can be created later which will restrict access to the configuration screen.



If you've previously entered a password, enter the password, then press the password *Unlock* button to reveal the features of the application. The following screen will be displayed.



Set – this button (visible once the utility is unlocked) allows you to set the password for accessing Secure Lockdown. Press the *Set* button to reveal the following password entry fields.



New Password – To add a password requirement to access the Secure Lockdown configuration utility, enter a password in the *New Password* field. A password can be any alphanumeric and special key combination. Passwords are not case sensitive.

Confirm Password – Enter the same password in the *Confirm Password* field.

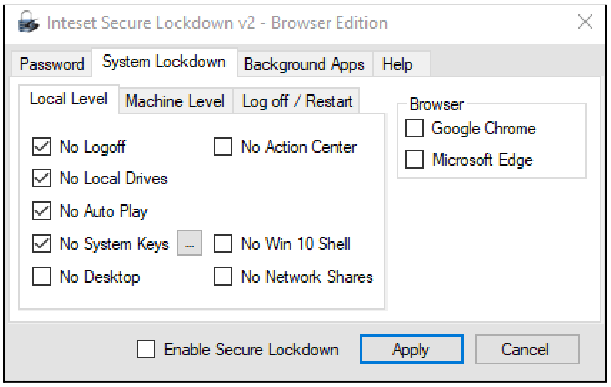
VERY IMPORTANT: Be sure to remember the Secure Lockdown password as you will not be able to access the application in the future without it. And, if Secure Lockdown is enabled, the system will be locked and you will not be able to unlock it without the password.

Enable Secure Lockdown – Check the *Enable Secure Lockdown* checkbox to put Windows in a locked down state. Before doing this, you should review and edit the many lockdown options available, then press the *Apply* button. You will need to restart the system in order to fully enable Secure Lockdown. Note that you cannot exit Secure Lockdown when it's enabled. While enabled, it will run in the background and can be invoked by pressing the *Alt-Shift-S* keyboard key sequence.

Once Secure Lockdown is enabled, you can disable it by pressing the *Alt-Shift-S* keyboard key sequence. The Secure Lockdown application will appear. Enter the password (if one exists), then press the password *Apply* button. Uncheck the *Enable Secure Lockdown* checkbox, then select the *Apply* button. You will need to restart the system in order to fully disable Secure Lockdown.

System Lockdown Tab

Under the *System Lockdown* tab (shown below), you can disable various system level Windows features and select which browser you'd like to use and lock down. Some of these features are machine level features which apply to all users of the computer. Disabling machine level options will affect all local computer users even if Secure Lockdown is not running under that account.



☑ No Logoff
☐ No Action Center
☑ No Local Drives
☑ No Auto Play
☑ No System Keys
☐ No Win 10 Shell
☐ No Desktop
☐ No Network Shares

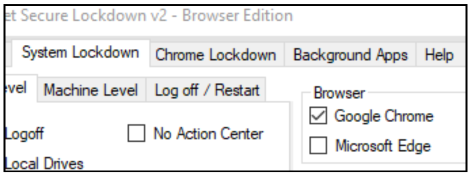
Browser
☐ Google Chrome
☐ Microsoft Edge

☐ Enable Secure Lockdown

Browser

The *Browser* section of the System Lockdown tab allows you to choose which browser, Google Chrome or Microsoft Edge, you'd like to lock down and configure for use. Note that only one browser can be used. Be sure that the desired browser is installed on the operating system prior to locking down the system. If the browser is not installed, the Browser checkbox will be diasabled.

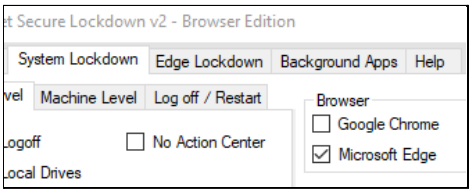
Google Chrome - When enabled, the *Chrome Lockdown* tab will appear allowing the lockdown configuration of Google Chrome.



☐ No Action Center

Browser
☑ Google Chrome
☐ Microsoft Edge

Microsoft Edge - When enabled, the *Edge Lockdown* tab will appear allowing the lockdown configuration of Microsoft Edge.



☐ No Action Center

Browser
☐ Google Chrome
☑ Microsoft Edge

Local Level Options

Local Level settings allow you to disable various local user account options of Windows. These settings do not affect other user accounts of the system. Each option is listed below.

No Logoff – When enabled, Secure Lockdown prevents access to all logoff/sign out features of Windows. Users will not be able to log out of their account.

No Local Drives – When enabled, Secure Lockdown blocks access to the A, B, and C drives when attempting to access the file system from an application's Open, Save, or other file access dialog. A user can, however access drives beyond the C drive if the *No Local Drives* option is unchecked. This will allow access to removable drives and devices beyond the operating system drive. Check this option if you do not want to allow access to any local drives or devices through Open, Save, or other file access dialogs.

Note: this feature does not block an applications access to the file system, it only blocks direct user access. Also, by default the Windows Library folders point to locations on the "C:\" drive (ie: "C:\users\<user name>"). Many Windows programs will use the Library locations as their default and the user will be directed to those folders when prompted with the application's *Open* and *Save* dialogs. Secure Lockdown will not block this access. Thus, it is important to move the Library folders to a drive other than "C:\". Refer to the "Windows System Modifications to Consider > Create a Separate Hard Drive Partition" section later in this guide for instructions on how to move Windows Library folders.

No Auto Play – When enabled, Secure Lockdown prevents the Windows Auto Play feature. The Auto Play dialog appears when external media such as a USB flash drive is inserted.

No System Keys – "System Keys" include the following keyboard keys and key sequences: Windows Key, Alt-Tab, Alt-Shift-Tab, Alt-Esc, Alt-Shift-Esc, Ctrl-Alt-Esc, Ctrl-Esc, Alt-F4, F1, and F3. These keys can be enabled or disable independently by selecting the associated ellipse button (…) next to the option. The F1 key is used to invoke Windows Help and help features in other applications which could lead to security risks if there are links to external applications or web sites within the help screens. Similarly, the F3 key invokes the Windows Search feature. The ALT-F4 key can close the active program. Alt-Tab, Alt-Esc, Ctrl-Esc key sequences can disrupt the active window (Master Application). If you do not want to provide these abilities, check this option.

No Desktop – Check this option to remove the Windows Desktop and run Secure Lockdown as the Windows Shell. No features of the Windows Desktop will be available. Windows Embedded environments frequently do not use the Windows Desktop - "No Desktop" creates a similar environment. Should your application require some features of the Windows Desktop, do not check this feature.

Note: If this option is selected, no applications or services defined in the Windows HKCU "Run" or "RunOnce" Registry settings will run upon account login as this Windows feature requires the Windows Shell. If a particular app or service is required to run, consider using the Secure Lockdown – Background Apps feature or the Windows Task Scheduler instead.

No Action Center – Check this option to remove the Notifications and Action Center from the Taskbar and prevent, in Windows 10, the right-to-left sweep touch gesture from revealing the Action Center feature.

Note: This feature is not available if the "No Desktop" option is enabled.

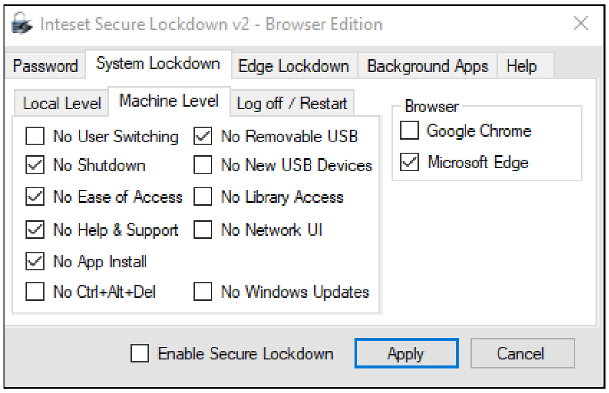
No Win 10 Shell – Check this option to disable the Windows 10 Shell experience which includes the Start Menus, Action Center, Available Networks, and other Windows 10 UI elements.

Note: This feature is not available if the “No Desktop” option is enabled. This feature also enables the “No Action Center”.

No Network Shares – Check this option to disable the ability to access network shares (connections to network folders.) If disabled, access to shared drives is available to applications, however mapped drives will not be visible in Windows Open and Save dialogs.

Machine Level Settings

Machine Level options (shown below) allow you to disable various machine level Windows features. Machine level features are those that apply to all users of the computer. Enabling machine level options will affect all local computer users even if Secure Lockdown is not running under that account. All of the following options are machine level settings.



□ No User Switching
☑ No Shutdown
☑ No Ease of Access
☑ No Help & Support
☑ No App Install
□ No Ctrl+Alt+Del
☑ No Removable USB
□ No New USB Devices
□ No Library Access
□ No Network UI
□ No Windows Updates

Browser
□ Google Chrome
☑ Microsoft Edge

□ Enable Secure Lockdown

No User Switching – Fast user switching provides a quick way for users to switch from one account to another without logging off. This option can be accessed by pressing the CTRL-ALT-DELETE key sequence. If you do not want to provide this ability, check this option.

No Shutdown – Select this checkbox if you do not want to allow the user to shut down or restart the system. When Secure Lockdown is enabled, the user can press the CTRL-ALT-DELETE keys. They will no longer have the option to logoff or shutdown the computer from this screen or the Windows Start menu if that feature is activated.

No Ease of Access – The Windows Ease of Access feature provides many features including access to various features of Windows via voice commands. This could pose a security risk. This option can be accessed by pressing the CTRL-ALT-DELETE key sequence. If you do not want to provide this ability, check this option.

No Help and Support – Windows Help and Support provides help for Windows features, but can lead to security risks if there are links to external applications or web sites within the help screens. If you do not want to provide this ability, check this option.

No App Install – When enabled, the Windows Installer will be disabled. Users will not be able to install applications when this option is checked.

No Ctrl+Alt+Del – When enabled, users will not be able to use the Windows Ctrl+Alt+Del key sequence to display the Ctrl+Alt+Del screen. Enabling this option disables the Delete key while Secure Lockdown is enabled.

Note: Be cautious when enabling the “No Ctrl+Alt+Del” option. Users will not be able to access the Ctrl+Alt+Del screen where they can switch users, log in and off, or shut down the system. In addition, if the system is Windows 7 or previous and on a domain network, users will not be able to press the Ctrl+Alt+Del key sequence to log into Windows. It is recommended that systems under these conditions use the Windows Auto Login capability and should be set up before enabling the Secure Lockdown “No Ctrl+Alt+Del” option.

No Removable USB Drives – When enabled, the system will no longer allow access to removable USB storage devices such as USB hard drives and flash drives.

No New USB Devices – When enabled, the system will no longer allow newly plugged in USB devices to register with the operating system. USB devices already connected will continue to work on the USB port to which they are attached. The same device will not connect to other ports unless it was previously connected while secure Lockdown was disabled.

No Library Access – When enabled, users will not be able to access the Windows Library folders in any Explorer, Open, and Save dialogs. The Library folders will not be visible in the Navigation pane.

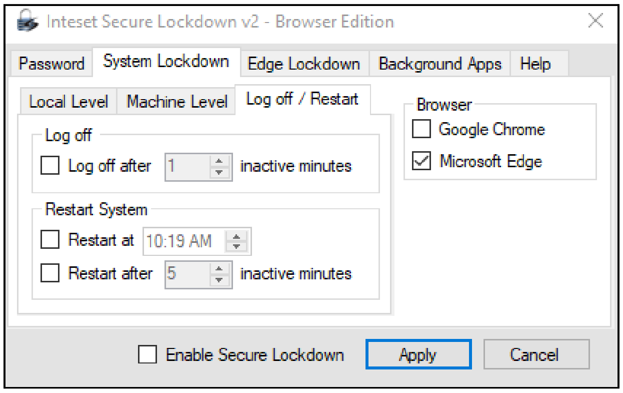
No Network UI (available in Windows 8 and higher) – When enabled, the network UI found within the Ctrl+Alt+Delete screen and Windows Login screen will not be available.

No Safe Mode (not available in Windows 8 or 10) – When enabled, the Windows (F8) boot option to enter Windows “Safe Mode” is disabled. Users will not be able to boot the computer into Safe Mode.

No Windows Updates – When Secure Lockdown is enabled, it disallows Windows Updates from automatically installing. It is recommended to enable this setting.

Log off / Restart

The Log off / Restart feature (shown below) allows you to specify times when you want the computer to either log off, or restart. This option is ideal if you need to run a login script periodically, or if you want to incorporate system restore tools such as *Toolwiz - Time Freeze*, or *Horizon Datasys - Reboot Restore RX* into your Secure Lockdown implementation. You can set the computer to restart either at a specific time of the day, or when the computer has been inactive for a defined amount of time or both.



Log off

□ Log off after 1 inactive minutes

Restart System

□ Restart at 10:19 AM

□ Restart after 5 inactive minutes

Browser

□ Google Chrome

☑ Microsoft Edge

□ Enable Secure Lockdown

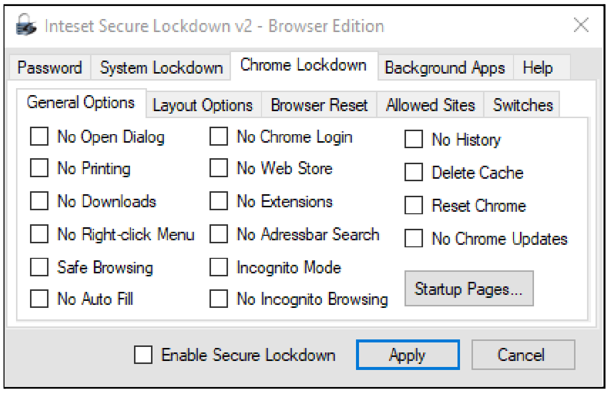
Log off after x inactivity minutes - When enabled, the computer will log off the current account when the computer has not been active for the specified number of minutes.

Restart at – When enabled, the computer will restart at the specified time each day.

Restart after x inactive minutes – When enabled, the computer will restart when the computer has not been active for the specified number of minutes.

Chrome Lockdown Tab

Under the *Chrome Lockdown* tab (shown below), you can modify the layout and lockdown various features of Google Chrome version 28 and above.

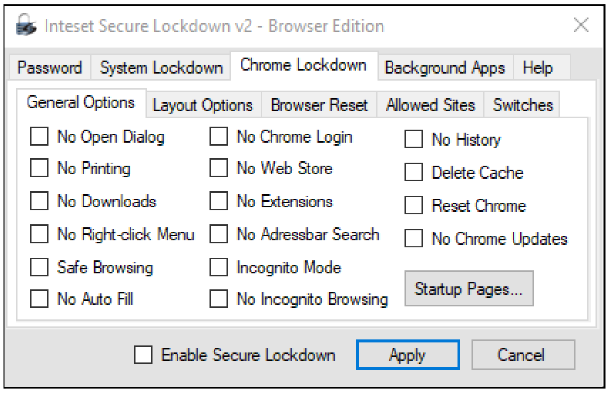


□ No Open Dialog
□ No Printing
□ No Downloads
□ No Right-click Menu
□ Safe Browsing
□ No Auto Fill
□ No Chrome Login
□ No Web Store
□ No Extensions
□ No Adressbar Search
□ Incognito Mode
□ No Incognito Browsing
□ No History
□ Delete Cache
□ Reset Chrome
□ No Chrome Updates
□ Enable Secure Lockdown

Note: The Chrome browser offers many customizations on its own. These options are available by accessing the top right *Customizations* button in the Chrome browser. If needed, these customizations should be performed before any Secure Lockdown customizations are done.

General Options

The General Options section allows you to choose various elements in Chrome to restrict. In addition, this section allows you to reset Chrome to its initial state before use.



□ No Open Dialog
□ No Printing
□ No Downloads
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□ Safe Browsing
□ No Auto Fill
□ No Chrome Login
□ No Web Store
□ No Extensions
□ No Adressbar Search
□ Incognito Mode
□ No Incognito Browsing
□ No History
□ Delete Cache
□ Reset Chrome
□ No Chrome Updates
□ Enable Secure Lockdown

No Open Dialog (ctrl-o) – Prevents the ability to open the “Open” dialog that allows running files, etc. The ctrl-o keyboard key sequence is disabled.

No Printing (ctrl-p) – Prevents the ability to print the current web page by using the ctrl-p keyboard key sequence or from the File menu option.

No Downloads – Prevents the ability to download files onto the computer.

No Right-click Menu – This option removes the ability to display the browser right-click menu that appears when the user right-clicks on a web page, menu, or title bar.

Safe Browsing – This option sets the Chrome browser to Safe Browsing mode. Safe Browsing mode helps protect against the three most common threats on the web: phishing, drive-by malware, and harmful downloads. Check this option to enable Safe Browsing.

No Auto Fill – Enable this feature to prevent the Chrome Auto Fill capability from functioning. Auto Fill information is generally private/personal information that should not be available on a public system.

No Chrome Login – Enable this feature to prevent users from signing into their Chrome account.

No Web Store – Enable this option to restrict users from accessing the Chrome Web Store via integrated the buttons available on the browser (ie: the “Apps” and “Web Store” button.)

No Extensions – Choose this option to disallow installing or uninstalling Chrome extensions.

No Omnibox Search – Enable this feature to remove the ability to perform Google searches and other lookup information within the omnibox (address box).

Incognito Mode – When this option is enabled, Chrome will launch in “incognito mode” whereby no browser cache or history will be retained upon closing the browser. When this option is enabled, the “No Incognito Browsing”, “No History”, and “Delete Cache” options are disabled and not accessible.

No Incognito Browsing (ctrl-shift-n) – Disable the “Incognito” browsing capability. When this option is checked, no incognito mode is allowed.

No History – Select this option to automatically remove all browser history upon closing the browser.

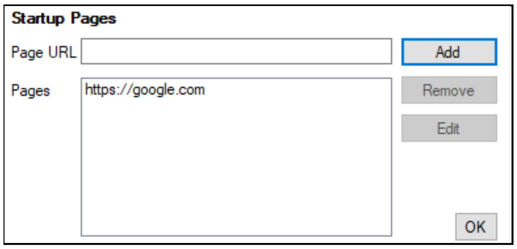
Delete Cache – Select this option to automatically delete all file and memory based cookies, cached web pages and images, and all other browser cached files upon closing the browser.

Reset Chrome – Upon closing the browser Chrome will be reset to its installed default. Note that any pages defined in the browser’s *On startup* and *Homepage* settings will be cleared.

No Chrome Updates – Choose this option to prevent Chrome from installing updates. Note that when Secure Lockdown is not enabled, Chrome will be able to install updates.

Startup Pages – Press the *Startup Pages* button to reveal the *Startup Pages* dialog. Here you can enter a number of web pages that will load when the browser launches. Each page will be loaded into its own browser tab. This feature has the same functionality as the Chrome > Settings > On Startup feature. The *Startup Pages* feature is useful if you intend to use the Secure Lockdown > Chrome Lockdown > General >

Reset Chrome option which will reset (clear) all Chrome settings when the browser is closed, including any *On Startup* pages defined.



Startup Pages

Page URL

Pages: https://google.com

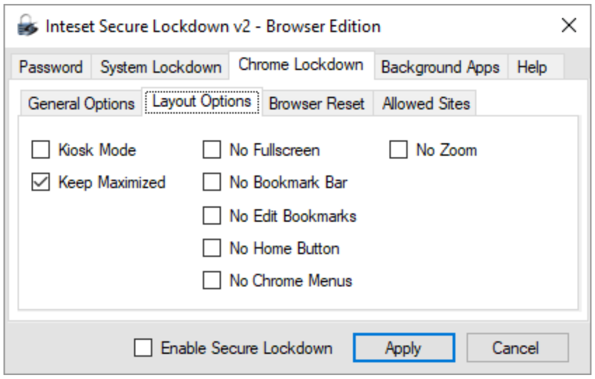
Page URL – To add a page URL enter it in the *Page URL* textbox, then press the *Add* button. Include the URL scheme prefix in the link (ie: HTTP, FTP, File, HTTPS, etc). Malformed URLs are not allowed.

Remove – To remove a URL from the list, select it, then press the "Remove" button.

Edit – To edit a URL in the list, select it, then press the *Edit* button. The URL will appear in the *Page URL* textbox for editing.

Layout Options

The Layout Options section allows you to hide various layout elements in Chrome such as bookmarks, home button, and Chrome menus.



Inteset Secure Lockdown v2 - Browser Edition

☐ Kiosk Mode
☑ Keep Maximized
☐ No Fullscreen
☐ No Bookmark Bar
☐ No Edit Bookmarks
☐ No Home Button
☐ No Chrome Menus
☐ No Zoom

☐ Enable Secure Lockdown

Kiosk Mode – Enable this checkbox to start Google Chrome in kiosk mode. The browser opens in a maximized window that does not display the address bar, the navigation buttons, or the bookmark bar.

Keep Maximized – To keep Chrome maximized at all times, check the *Keep Maximized* checkbox. This feature is disabled if *Kiosk Mode* is enabled.

No Fullscreen – Enable this checkbox to disallow users to put Chrome into Fullscreen mode. Fullscreen mode does not contain any navigation buttons or menus, or the Bookmark bar. It is applied by pressing the F11 key and disabled again by pressing the F11 key. This feature is disabled if *Kiosk Mode* is enabled.

No Bookmark Bar – Enable this checkbox to remove the Bookmark bar. This feature is disabled if *Kiosk Mode* is enabled.

No Edit Bookmark – Enable this option to disallow editing, adding or removing a bookmark entry on the Bookmark bar. This option requires that the "No Bookmark Bar" option be unchecked. This feature is disabled if *Kiosk Mode* is enabled.

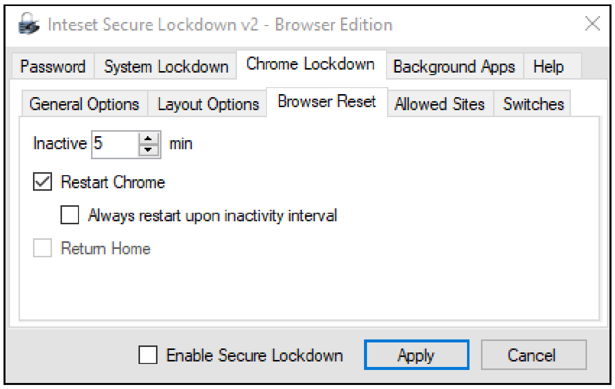
No Home Button – When enabled, this option removes the home button found to the left of the Address bar. This feature is disabled if *Kiosk Mode* is enabled.

No Chrome Menus – Select this option to remove access to the Customizations button found at the top right corner of the Chrome window. If enabled, this will also disallow access to other Chrome menus such as the right-click menu. This feature is disabled if *Kiosk Mode* is enabled.

No Zoom – Select this option to disable the keyboard-based Chrome zoom functionality (CTRL+Plus sign, CTRL+Minus sign). Note that this option does not disable the Chrome touch-based pinch to zoom capability.

Browser Reset

Under this section, various settings allow resetting Chrome to its originally started state after a specified increment of no user activity (no keyboard, mouse, or touch activity.)



Inactive 5 min

☑ Restart Chrome

□ Always restart upon inactivity interval

□ Return Home

□ Enable Secure Lockdown

Inactive Minutes - Set this option to the number of minutes of user inactivity whereby Secure Lockdown will reset the browser. Note: playing a video or music is not considered activity. If playing a video and no interaction occurs, the browser will be reset in the specified period even if the video is still playing. In this case, as a solution, you could set the inactivity period equal to or greater than the time length of the video.

Restart Chrome – Select this option to close all instances of Chrome at the specified "Inactivity" increment. Note that this option clears memory based user sessions, but not file-based cookies. Choose the "Delete History" option in combination with the "Restart Chrome" option to remove all memory-based user sessions and file-based cookies.

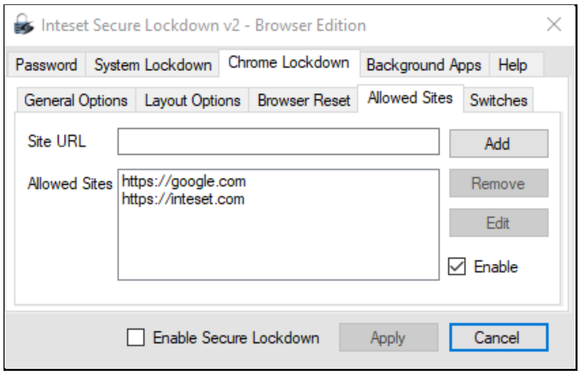
Note: This setting will not restart Chrome if it was already restarted and the inactivity period has elapsed.

Always restart upon inactivity interval – Select this option to restart Chrome even if it was already restarted and the inactivity period has elapsed.

Return Home – Select this option to return to the defined Chrome homepage at the specified "Inactivity" increment. This will only occur if Chrome is the foreground application.

Allowed Sites

If you need to restrict access to only certain sites and/or pages, use the *Allowed Sites* feature. Sometimes described as *white listing*, you can prevent users from going to undesired sites.



Site URL

Allowed Sites
https://google.com
https://inteset.com

☑ Enable

□ Enable Secure Lockdown

Site – To add an allowed site URL enter it in the *Site* textbox, then press the *Add* button. Include the URL Scheme prefix in the link (ie: HTTP, FTP, File, HTTPS, etc). Malformed URLs are not allowed. To define properly formatted URL patterns, see the following web page: https://www.chromium.org/administrators/url-blocklist-filter-format

Note: If a Chrome Extension is being used, you will need to add the extension's URL to the Allowed Sites list. For example, you would add its extension ID to the "chrome-extension://" protocol prefix such as: "chrome-extension://gighmmpiobklfepjocnamgkkbiglidom". Within Chrome, you can determine the extension ID by going to Settings > Extensions > Developer Mode.

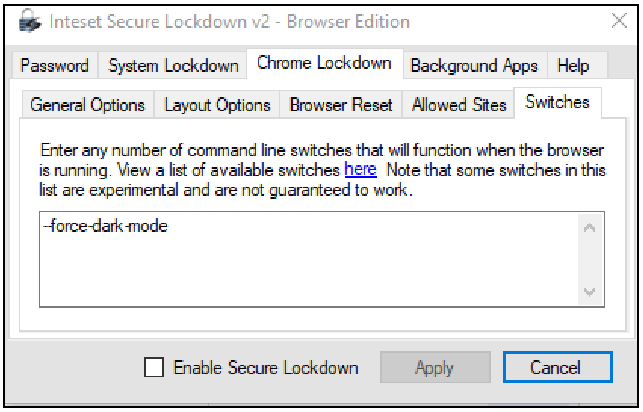
Remove – To remove a link from the list, select it, then press the "Remove" button.

Edit – To edit a link in the list, select it, then press the *Edit* button. The URL will appear in the *Allowed Sites* textbox for editing.

Enable – If this check box is checked, Chrome will only allow access to the sites in the Allowed Sites list. Disable this option if all websites are allowed. Note that *Enable* works only when Secure Lockdown is enabled.

Switches

Chrome provides a command-line feature that accommodates many parameters (switches). Switches function when the browser is launched and running. Typically, these switches are entered when launching the browser from a command line. Secure Lockdown accommodates switches using the *Switches* textbox. Switches for Chrome can be found at the following website: https://peter.sh/experiments/chromium-command-line-switches/.



Enter any number of command line switches that will function when the browser is running. View a list of available switches here Note that some switches in this list are experimental and are not guaranteed to work.

--force-dark-mode

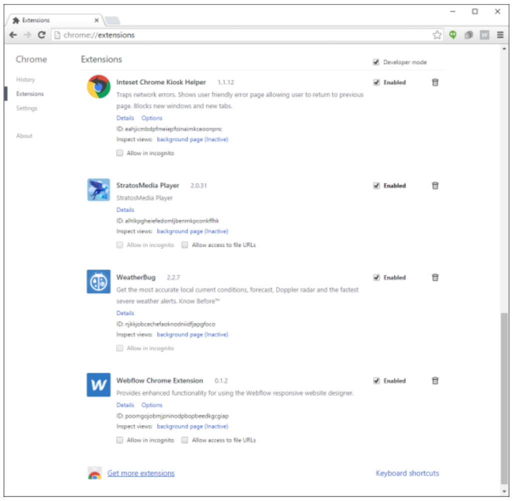
□ Enable Secure Lockdown

Note that many switches are experimental and may not function.

Enter any number of switches in the *Switches* textbox separated by spaces.

Secure Lockdown Browser Helper - Chrome Extension

In addition to the Chrome lockdown features Secure Lockdown provides, Inteset has developed a Chrome extension that compliments these capabilities.



☑ Developer mode

Inteset Chrome Kiosk Helper 1.1.12 ☑ Enabled
Traps network errors. Shows user friendly error page allowing user to return to previous page. Blocks new windows and new tabs.
Details Options
ID: eahjicmbdpfmeiepfoinaimkceoonpnc
Inspect views: background page (Inactive)
□ Allow in incognito

StratosMedia Player 2.0.31 ☑ Enabled
StratosMedia Player
Details
ID: alhlkpgheiefedomljbenmkpconkffhk
Inspect views: background page (Inactive)
□ Allow in incognito □ Allow access to file URLs

WeatherBug 2.2.7 ☑ Enabled
Get the most accurate local current conditions, forecast, Doppler radar and the fastest severe weather alerts. Know Before™
Details
ID: njkkjobcechefaoknodniidfjapgfoco
Inspect views: background page (Inactive)
□ Allow in incognito

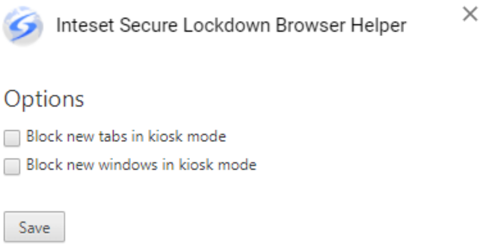
Webflow Chrome Extension 0.1.2 ☑ Enabled
Provides enhanced functionality for using the Webflow responsive website designer.
Details Options
ID: poomgojobmjpninodpbopbeedkgcgiap
Inspect views: background page (Inactive)
□ Allow in incognito □ Allow access to file URLs

When running in Chrome's *Kiosk Mode*, the browser suffers from some undesirable functionality. For example, in kiosk mode, there is no browser navigation, tabs or menus available. This becomes a problem if your kiosk application tries to open a new window, tab, or leads to a website that is blocked (black listed). When in kiosk mode, if a new window or tab is open, the main kiosk application will be inaccessible as it will be covered by the new window or tab page. Also, if the user clicks to other websites that are black listed, Chrome will throw an error page, but will give no means to return to the main kiosk website causing the user to be stuck on the error page.

The *Secure Lockdown Browser Helper* alleviates these problems by trapping the above scenarios and offering the user an easy way to return to the main kiosk application. The Browser Helper simply advises the user of the situation with a friendly dialog and gives them the opportunity to return to the previous page.

If you plan to use Chrome in kiosk mode, this extension is recommended. You can install and configure the extension directly from the Chrome browser. In the browser, go to Settings > Extensions > Get more extensions, then type “Inteset Secure Lockdown Browser Helper” into the Chrome Web Store search box. From there you can install the extension.

Once the extension is installed, you can configure it by selecting the *Options* link and selecting the following options:



Inteset Secure Lockdown Browser Helper

Options

□ Block new tabs in kiosk mode
□ Block new windows in kiosk mode

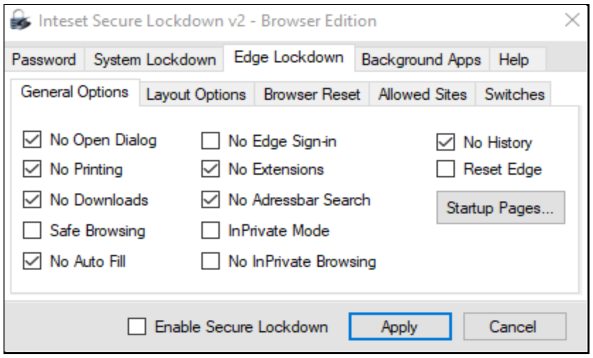
Block new tabs in kiosk mode – This option will block any new tabs that are generated based on a link within a webpage.

Block new windows in kiosk mode – This option will block any new windows that are generated based on a link within a webpage.

Note: these features work ONLY when the browser is in Full-screen (F11) or Kiosk mode.

Edge Lockdown Tab

Under the *Edge Lockdown* tab (shown below), you can modify the layout and lockdown various features of the Microsoft Edge browser.



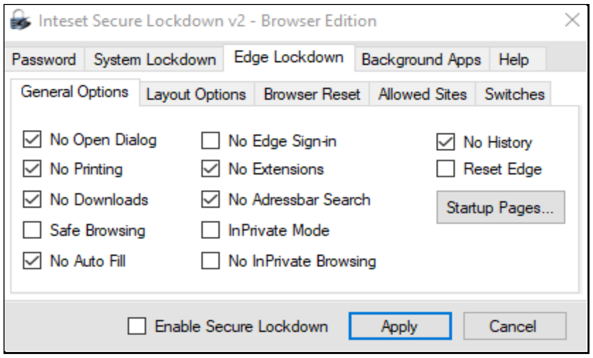
Inteset Secure Lockdown v2 - Browser Edition

☑ No Open Dialog
☑ No Printing
☑ No Downloads
□ Safe Browsing
☑ No Auto Fill
□ No Edge Sign-in
☑ No Extensions
☑ No Adressbar Search
□ InPrivate Mode
□ No InPrivate Browsing
☑ No History
□ Reset Edge

□ Enable Secure Lockdown

General Options

The General Options section allows you to choose various elements in Edge to restrict. In addition, this section allows you to reset Edge to its initial state before use.



☑ No Open Dialog
☑ No Printing
☑ No Downloads
□ Safe Browsing
☑ No Auto Fill
□ No Edge Sign-in
☑ No Extensions
☑ No Adressbar Search
□ InPrivate Mode
□ No InPrivate Browsing
☑ No History
□ Reset Edge

□ Enable Secure Lockdown

No Open Dialog (ctrl-o) – Prevents the ability to open the "Open" dialog that allows running files, etc. The ctrl-o keyboard key sequence is disabled.

No Printing (ctrl-p) – Prevents the ability to print the current web page by using the ctrl-p keyboard key sequence or from the File menu option.

No Downloads – Prevents the ability to download files onto the computer.

Safe Browsing – This option sets the Edge browser to Safe Browsing mode. Safe Browsing mode helps protect against the three most common threats on the web: phishing, drive-by malware, and harmful downloads. Check this option to enable Safe Browsing.

No Auto Fill – Enable this feature to prevent the Edge Auto Fill capability from functioning. Auto Fill information is generally private/personal information that should not be available on a public system.

No Edge Sign-in – Enable this feature to prevent users from signing into their Microsoft Edge account.

No Extensions – Choose this option to disallow installing or uninstalling Edge extensions.

No Addressbar Search – Enable this feature to remove the ability to perform Bing or Google searches and other lookup information within the Addressbar.

InPrivate Mode – When this option is enabled, Edge will launch in "inprivate mode" whereby no browser cache or history will be retained upon closing the browser. When this option is enabled, the "No InPrivate Browsing", "No History", and options are disabled and not accessible.

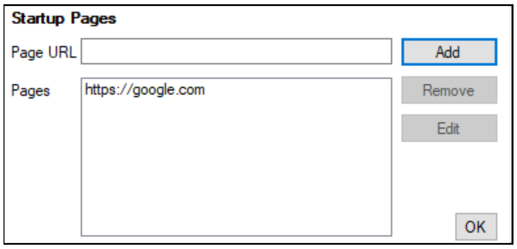
No InPrivate Browsing (ctrl-shift-n) – Disables the "InPrivate" browsing capability. When this option is checked, InPrivate mode is disallowed.

No History – Select this option to automatically remove all browser history upon closing the browser.

Reset Edge – Upon closing the browser Edge will be reset to its installed default. Note that any pages defined in the browser's *Startup pages* and *Home* settings will be cleared.

Startup Pages – Press the *Startup Pages* button to reveal the *Startup Pages* dialog. Here you can enter a number of web pages that will load when the browser launches. Each page will be loaded into its own browser tab. This feature has the same functionality as the Edge > Settings > Start, home, new tabs >

When Edge Starts feature. The *Startup Pages* feature is useful if you intend to use the Secure Lockdown > Edge Lockdown > General > Reset Edge option which will reset (clear) all Edge settings when the browser is closed, including any Startup pages defined.



Startup Pages

Page URL

Pages: https://google.com

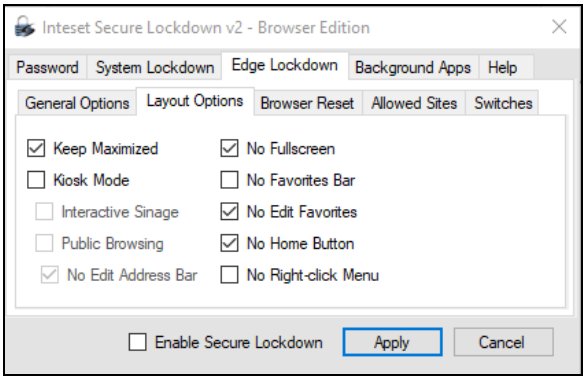
Page URL – To add a page URL enter it in the *Page URL* textbox, then press the *Add* button. Include the URL scheme prefix in the link (ie: HTTP, FTP, File, HTTPS, etc). Malformed URLs are not allowed.

Remove – To remove a URL from the list, select it, then press the “Remove” button.

Edit – To edit a URL in the list, select it, then press the *Edit* button. The URL will appear in the *Page URL* textbox for editing.

Layout Options

The Layout Options section allows you to hide various layout elements in Edge such as favorites, home button, and Edge menus.



Inteset Secure Lockdown v2 - Browser Edition

☑ Keep Maximized
☐ Kiosk Mode
☐ Interactive Sinage
☐ Public Browsing
☑ No Edit Address Bar
☑ No Fullscreen
☐ No Favorites Bar
☑ No Edit Favorites
☑ No Home Button
☐ No Right-click Menu
☐ Enable Secure Lockdown

Keep Maximized – To keep Edge maximized at all times, enable the *Keep Maximized* checkbox.

Kiosk Mode – Enable this checkbox to start Edge in kiosk mode. The browser opens in a maximized window that does not display the address bar, the navigation buttons, or the favorites bar.

Interactive Signage - Available in Kiosk Mode only, enable this option to set the browser to Fullscreen mode with no ability for user interaction.

Public Browsing - Available in Kiosk Mode only, enable this option to set the browser to disallow Fullscreen mode and allow users to browse the Internet with restricted functionality. When the user closes the browser, all accumulated information (history, cookies, etc) is cleared. Use this feature in combination with the Edge Lockdown > Browser Reset option to reset the browser after a defined inactivity period.

No Edit Address Bar - Available in Kiosk Mode > Public Browsing mode only, enable this feature to disallow the ability to change the pages defined in each tab's Address bar. The pages set are not modifiable.

No Fullscreen – Enable this checkbox to disallow users to set Edge to Fullscreen mode. Fullscreen mode does not contain any navigation buttons or menus, or the favorites bar. It is applied by pressing the F11 key and disabled again by pressing the F11 key.

No Favorites Bar – Enable this checkbox to remove the favorites bar.

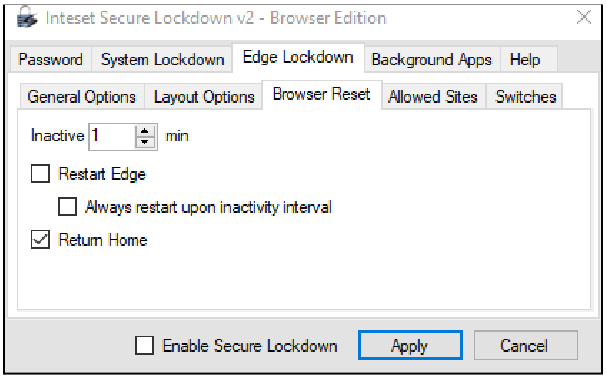
No Edit Favorites – Enable this option to disallow editing, adding or removing a favorite entry on the Favorite bar. This option requires that the "No Favorite Bar" option be unchecked.

No Home Button – When enabled, this option removes the home button found to the left of the Address bar.

No Right-click Menu – This option removes the ability to display the browser right-click menu that appears when the user right-clicks on a web page, menu, or title bar.

Browser Reset

Under this section, various settings allow resetting Edge to its originally started state after a specified increment of no user activity (no keyboard, mouse, or touch activity.)



Inactive 1 min

□ Restart Edge

□ Always restart upon inactivity interval

☑ Return Home

□ Enable Secure Lockdown

Inactive Minutes - Set this option to the number of minutes of user inactivity whereby Secure Lockdown will reset the browser. Note: playing a video or music within the browser is not considered activity. If playing a video and no interaction occurs (ie:mouse movement), the browser will be reset in the specified period even if the video is still playing. In this case, as a solution, you could set the inactivity period equal to or greater than the time length of the video.

Restart Edge – Select this option to close all instances of Edge at the specified "Inactivity" increment. Note that this option clears memory based user sessions, but not file-based cookies. Choose the General Options > Reset Edge or the Layout Options > Kiosk Mode > Public Browsing option in combination with the *Restart Edge* option to remove all memory-based user sessions and file-based cookies.

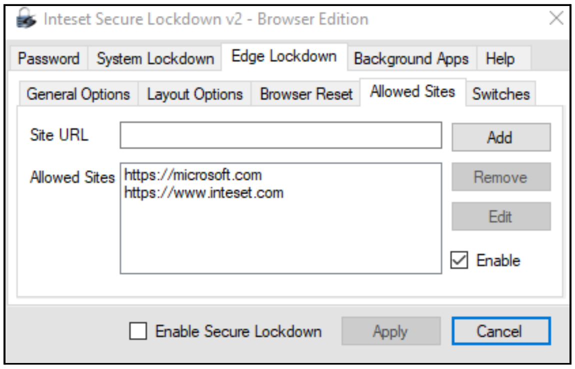
Note: This setting will not restart Edge if it was already restarted and the inactivity period has elapsed.

Always restart upon inactivity interval – Select this option to restart Edge even if it was already restarted and the inactivity period has elapsed.

Return Home – Select this option to return to the defined Edge homepage at the specified "Inactivity" increment. This will only occur if the browser is the foreground application.

Allowed Sites

If you need to restrict access to only certain sites and/or pages, use the *Allowed Sites* feature. Sometimes described as *white listing*, you can prevent users from going to undesired sites.



Site URL

Allowed Sites: https://microsoft.com
https://www.inteset.com

☑ Enable

□ Enable Secure Lockdown

Site – To add an allowed site URL enter it in the *Site* textbox, then press the *Add* button. Include the URL Scheme prefix in the link (ie: HTTP, FTP, File, HTTPS, etc). Malformed URLs are not allowed. To define properly formatted URL patterns, see the following web page: https://www.chromium.org/administrators/url-blocklist-filter-format

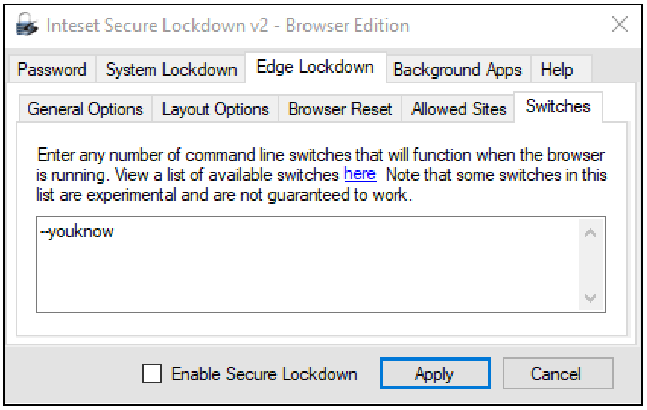
Remove – To remove a link from the list, select it, then press the "Remove" button.

Edit – To edit a link in the list, select it, then press the *Edit* button. The URL will appear in the *Allowed Sites* textbox for editing.

Enable – If this check box is checked, Edge will only allow access to the sites in the *Allowed Sites* list. Disable this option if all websites are allowed. Note that *Enable* works only when Secure Lockdown is enabled.

Switches

Edge provides a command-line feature that accommodates many parameters (switches). Switches function when the browser is launched and running. Typically, these switches are entered when launching the browser from a command line. Secure Lockdown accommodates switches using the *Switches* textbox. Switches for Edge (Chromium) can be found at the following website: https://peter.sh/experiments/chromium-command-line-switches/.



Enter any number of command line switches that will function when the browser is running. View a list of available switches here. Note that some switches in this list are experimental and are not guaranteed to work.

--youknow

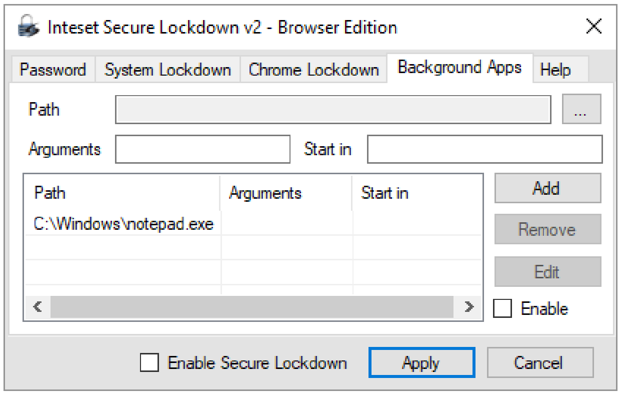
☐ Enable Secure Lockdown

Note that many switches are experimental and may not function.

Enter any number of switches in the *Switches* textbox separated by spaces.

Background Apps Tab

Under the *Background Apps* tab (shown below), you can run any number of background applications that may be necessary to support Edge. An example of a background app is an on-screen keyboard. For security purposes, when Secure Lockdown is enabled, programs that normally run on Windows login are disabled by Secure Lockdown (these are programs that run based on settings in the Windows Registry under the following Registry key: "HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Run"). To substitute this functionality, Secure Lockdown allows you to define the specific background apps you'd like to start when Secure Lockdown is enabled. These applications will start upon user login and immediately after your master application is launched. They are launched with administrative privileges.



Path

Arguments Start in

Path	Arguments	Start in
C:\Windows\notepad.exe		

☐ Enable

☐ Enable Secure Lockdown

Path - Select the *Path* ellipse button to choose the location of the background application executable.

Arguments (optional) - Enter any desired arguments that are accepted by the executable in the *Arguments* field.

Start in (optional) – With some applications, a startup directory (working directory) needs to be specified. Enter the working directory path in the *Start in* field. Note that system variables can be used (ie: “%PROGRAMFILES%”, “%HOMEDRIVE%”, “%HOMEPATH%”, “ %WINDIR%”, etc)

Add – Once an executable path is defined, press the *Add* button to add the path to the background apps list.

Remove – To remove a background app from the background apps list, first select the app to remove in the list, then press the *Remove* button.

Edit – To edit a background app in the background apps list, first select the app to edit in the list, then press the *Edit* button. The information will be moved to the *Path*, *Arguments*, and *Start in* fields where they can be edited, then added back to the list.

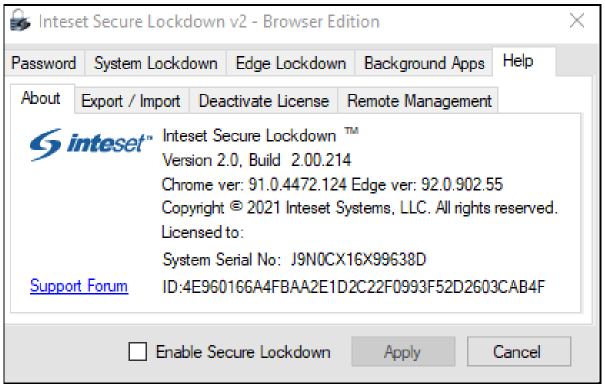
Enable – Select the *Enable* checkbox to run the background apps upon user login when Secure Lockdown is enabled.

Help Tab

Under the Help tab, you will be able to get pertinent support information about your Secure Lockdown software and license, communicate with the user community and Inteset support technicians, export and import Secure Lockdown settings, and deactivate the Secure Lockdown license.

About

Under the About section (shown below), you can get information regarding the version and build number of Secure Lockdown as well as the system serial number and machine ID of the computer. This is important information for Inteset Systems technical support should they ask for it. Note that the machine ID can be highlighted and copied to the clipboard (ctrl+c) for easy pasting into emails. You can also easily access the Inteset support forum for quick answers to common questions and responses from the community and Inteset's support team.



Inteset Secure Lockdown ™
Version 2.0, Build 2.00.214
Chrome ver: 91.0.4472.124 Edge ver: 92.0.902.55
Copyright © 2021 Inteset Systems, LLC. All rights reserved.
Licensed to:
System Serial No: J9N0CX16X99638D
ID:4E960166A4FBAA2E1D2C22F0993F52D2603CAB4F

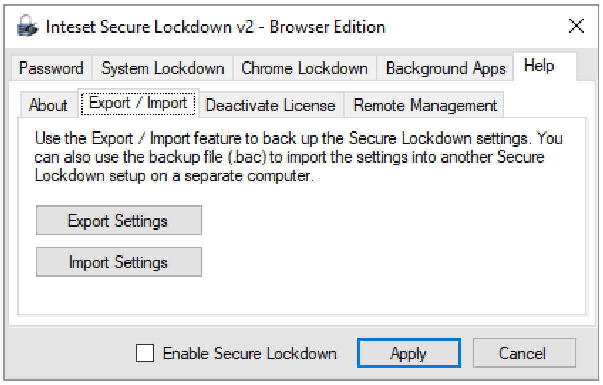
Shutdown – Press the *Shutdown* button to shut down the computer. This button is only available when Secure Lockdown is enabled and the password has been entered to access Secure Lockdown settings.

Note: Shutting down the computer with this button will not disable Secure Lockdown.

Logoff – Press the *Logoff* button to log out of the current Windows user session. This button is only available when Secure Lockdown is enabled and the password has been entered to access Secure Lockdown settings. Note that logging off with this button will not disable Secure Lockdown.

Export / Import

Under this section, you can export the Secure Lockdown settings into a single file (.bac). This file can serve as a backup, and/or to import into other Secure Lockdown systems using the Import Settings feature.



Use the Export / Import feature to back up the Secure Lockdown settings. You can also use the backup file (.bac) to import the settings into another Secure Lockdown setup on a separate computer.

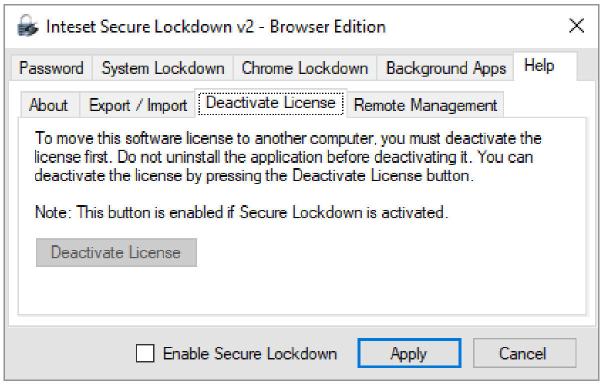
Export Settings – Press the *Export Settings* button to export the Secure Lockdown settings into a single ".bac" file in a location of your choosing.

Import Settings – Press the *Import Settings* button to import the Secure Lockdown settings into Secure Lockdown. After pressing the *Import Settings* button, you will need to locate a ".bac" export file previously created.

Note: these functions can also be performed from a command line (See the "Using the Command Line" section later in this guide.)

Deactivate License

Under this section, you will be able to deactivate the Secure Lockdown license in order to move it to a different computer.



To move this software license to another computer, you must deactivate the license first. Do not uninstall the application before deactivating it. You can deactivate the license by pressing the Deactivate License button.

Note: This button is enabled if Secure Lockdown is activated.

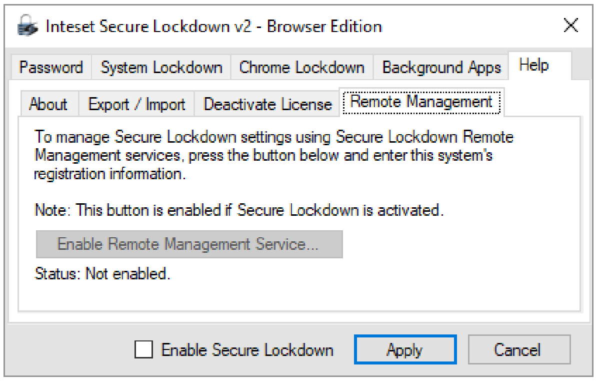
Deactivate License – If you purchase Secure Lockdown and activate the license on a computer, and decide later that you want to move the license to another computer, you must *deactivate* the license on the initial computer first. Do not uninstall the application before deactivating it. You can deactivate a license by pressing the *Deactivate* button. Note that the *Deactivate* button will be enabled if the Secure Lockdown license has been activated on the computer.

Remote Management

Under this section, you can set up and enable the Secure Lockdown Remote Management Service. The Secure Lockdown Remote Management Service allows you to perform many tasks via the Inteset website Remote Management console. In the console, you can:

- update Secure lockdown to the latest build
- view a screenshot of the current activity
- view the status if Secure Lockdown is enabled and running
- view system and Secure Lockdown configuration information
- change the Secure Lockdown settings (beta)
- modify settings in batch (beta)
- change the Secure Lockdown password (beta)
- restart the system (beta)
- enable and disable Secure Lockdown (beta)
- send email alerts when Secure Lockdown is not running (beta)

After you enable the service via the screen below, go to the http://www.inteset.com/ website, then sign in and select the My Account > Manage Devices menu option to manage your device.



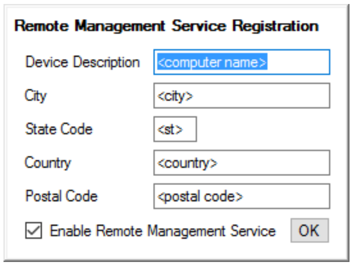
To manage Secure Lockdown settings using Secure Lockdown Remote Management services, press the button below and enter this system's registration information.

Note: This button is enabled if Secure Lockdown is activated.

Status: Not enabled.

□ Enable Secure Lockdown

Enable Remote Management Service… – Press the *Enable Remote Management Service* button to reveal the registration entry form required to enable the remote management service. The following screen will appear.



Remote Management Service Registration

Device Description	<computer name>
City	<city>
State Code	<st>
Country	<country>
Postal Code	<postal code>

☑ Enable Remote Management Service

Enter the description and location information requested and then check the *Enable Remote Management Service* checkbox. Press “OK” to start the process.

Status – The Status information will indicate if the Secure Lockdown system agent is running in the background. If the Remote Management feature is enabled, the status should always indicate that the agent is running.

OS Image Installations and Remote Management

Secure Lockdown has built-in handling of product activation (auto/unattended activation) and automated password assignment. These tools along with using Secure Lockdown command-line capabilities can be very useful for bulk implementation scripts, unattended installations, OS Image creation, and remote management. In addition, Secure Lockdown has several “hidden” features that allow administrators to fine-tune its functionality to suit their needs. Please see the accompanying *Secure Lockdown – Administrator’s Guide* if you’re interested in these capabilities.

Windows System Modifications to Consider

When preparing the system for use with Secure Lockdown™, it makes sense to customize and optimize the operating system for that purpose. Some recommendations include:

- *Create a Separate Hard Drive Partition* – Create separate drive letter (ie: “M:\”) and **move** all user libraries (ie: *Documents*, *Downloads*, *Pictures*, *Videos*, *Music*, etc) to that new drive. By default, Secure Lockdown does not allow access to the “C:\” drive where these libraries originally reside when using the standard Windows *Open* and *Save* dialogs. If your application requires access to these folders, move them to the new partition (drive letter) for uninhibited access.

  Note: Do not move these libraries to removable media such as a USB drive. Also, if the *System Lockdown* > *Local Level* > *No Local Drives* option is selected, no local drives including the new drive letter created will be accessible.

- *Change UAC settings to “Never notify”* – This will prevent potential unwanted UAC dialogs from appearing.
- *Disable Windows AutoPlay* – This will prevent a popup or the start of media playing automatically if the media or device is inserted into a system port.
- *Remove the Windows username and password login requirement, or enable automated login* – This will allow a seamless system start into the master application.

- *Remove unneeded Windows services and applications* – This will ensure a fast system boot-up and best performance of the master application.
- *Disable Windows Updates* – This will ensure the system does not perform any unexpected restarts due to the Windows Update process. It will also ensure nothing undesired is installed on the system.
- *Disable Windows Aero* – This will enable a slight improvement on screen redraw speeds.
- *Modify the Windows Welcome (logon) screen image* – This will give the system a custom look during the boot process.

The detailed steps to accomplish the above recommendations are beyond the scope of this document. For a deeper dive into preparing Windows 10 for special purpose operation, see the following article: https://www.inteset.com/how-to-strip-down-windows-10-for-kiosks-digital-signage-and-other-special-purpose-systems

Support

Support for Secure Lockdown™ v2 is available through the http://www.intesetsystems.com Forum pages. Here, you can ask questions to the community and to Inteset technicians. If the question is directed toward an Inteset technician, you can expect a response in 24 hours or less.