Configuring Frame App

Frame App behavior can be configured on startup of the application (Command Line Arguments) and through configuration files/Windows registry keys. If you are installing Frame App on Windows endpoints and would like to configure the silent installation process, you can find additional documentation here.

Command Line Arguments

Command line arguments or “launch arguments” are parameters that are automatically passed to a program (via command line) to modify its behavior. Some organizations may choose to use these modifiers to better fit their use case. We will start by providing a list of the available command line arguments and then explain how to configure them based on your operating system.

To launch Frame App with certain command line arguments, start by opening command prompt/terminal on your local machine. Specify the file path for Frame App (include the executable). Append your command line argument(s) after file path.

You may launch Frame App with the specified parameters. Use the table below to understand command line argument options and their syntax.

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Launch Frame App with arguments following the pattern:

```
# Starting in "/usr/bin/"

# Single argument
./frame --arg=value

# OR

# Multiple Arguments
./frame --arg1 --arg2=value
```

Command Line Argument	Description and Syntax Example

`--startup-url`	Designates the startup URL, as you would on the "Preferences" page of Frame App. Single Argument Example: `./frame --startup-url="https://use.difr.com/"`
`--check-for-updates-on-startup`	Frame App will check for updates on startup when this argument is set to **ON**. Single Argument Example: `./frame --check-for-updates-on-startup=on`
`--clear-cache-on-startup`	Frame App will automatically clear the local cache on startup when argument is set to **ON**. Single Argument Example: `./frame --clear-cache-on-startup=on`
`--enable-camera`	Frame App will launch with camera functionality enabled when this argument is set to **ON**. Single Argument Example: `./frame --enable-camera=on`
`--enable-microphone`	Frame App will launch with microphone functionality enabled when this argument is set to **ON**. Single Argument Example: `./frame --enable-microphone=on`

`--full-screen`	Instructs Frame App to launch in full screen when this argument is set to **ON**. Single Argument Example: `./frame --full-screen=on`
`--start-session-in-full-screen`	Instructs Frame App to start a session in full screen when this argument is set to **ON**. Single Argument Example: `./frame --start-session-in-full-screen=on`
`--help`	Provides a help menu. This command must be called on the precise application executable. Single Argument Example: `/usr/bin/frame --help`
`--version`	Shows Frame App version. Single Argument Example: `./frame --version`
`--hide-menu-bar=on`	Hide Menu Bar. Useful in kiosk mode scenarios. Single Argument Example: `./frame --hide-menu-bar=on`

`--hide-toggle-fullscreen=on`	Hide toggle-fullscreen option from the View menu. Also used for kiosk mode scenarios. Single Argument Example: `./frame --hide-toggle-fullscreen=on`
`--use-experimental-gpu-flags=on`	Enable Hardware Acceleration. Mainly used on IGEL client devices. Single Argument Example: `./frame --use-experimental-gpu-flags=on`

Command Line Arguments	Description and Syntax Example
`displays-auto-arrange`	Frame App will launch with virtual displays configured to match your local environment. *Example:* `./Frame --displays-auto-arrange`
`kiosk`	Instructs Frame App to launch in full screen, also known as “Kiosk mode.” *Example:* `./Frame --kiosk`
`url`	Designates the startup URL, as you would on the “Preferences” page of Frame App. *Example:* `./Frame --url=console.nutanix.com`
`x11-window`	Switch from GTK (default) to X11 Windows. This argument should be used with HP ThinPro OS clients. *Example:* `./Frame --x11-window`

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Launch Frame App with arguments following the pattern:

```
# Starting in "/Applications/Frame.app/Contents/MacOS/"

# Single argument
./Frame --arg=value

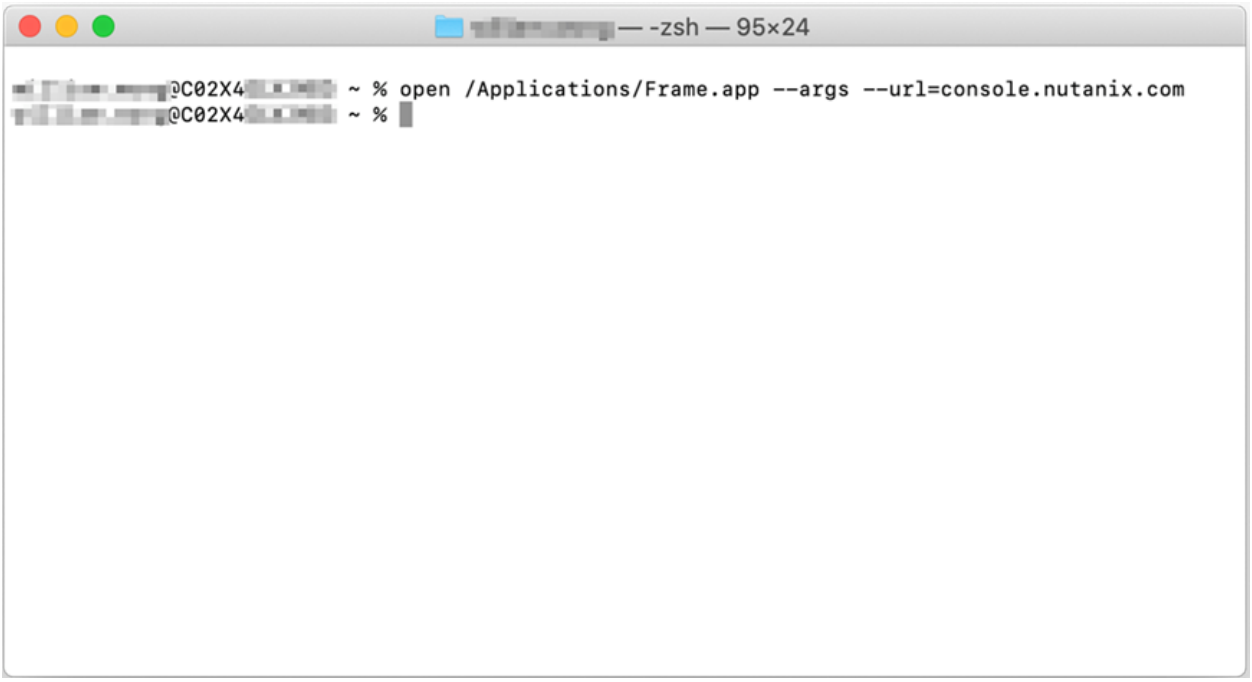
# OR

# Multiple Arguments
./Frame --arg1 --arg2=value
```

Command Line Argument	Description and Syntax Example
`--startup-url`	Designates the startup URL, as you would on the "Preferences" page of Frame App. Single Argument Example: `./Frame --startup-url="https://use.difr.com/"`
`--check-for-updates-on-startup`	Frame App will check for updates on startup when this argument is set to **ON**. Single Argument Example: `./Frame --check-for-updates-on-startup=on`
`--clear-cache-on-startup`	Frame App will automatically clear the local cache on startup when argument is set to **ON**. Single Argument Example: `./Frame --clear-cache-on-startup=on`

Command Line Argument	Description and Syntax Example
`--enable-camera`	Frame App will launch with camera functionality enabled when this argument is set to **ON**. Single Argument Example: `./Frame --enable-camera=on`
`--enable-microphone`	Frame App will launch with microphone functionality enabled when this argument is set to **ON**. Single Argument Example: `./Frame --enable-microphone=on`
`--full-screen`	Instructs Frame App to launch in full screen when this argument is set to **ON**. Single Argument Example: `./Frame --full-screen=on`
`--start-session-in-full-screen`	Instructs Frame App to start a session in full screen when this argument is set to **ON**. Single Argument Example: `./Frame --start-session-in-full-screen=on`

Command Line Argument	Description and Syntax Example
`--help`	Provides a help menu. This command must be called on the precise application executable. Single Argument Example: `/Applications/Frame.app/Contents/MacOS/Frame --help`
`--version`	Shows Frame App version. Single Argument Example: `./Frame --version`
`--hide-menu-bar=on`	Hide Menu Bar. Useful in kiosk mode scenarios. Single Argument Example: `./Frame --hide-menu-bar=on`
`--hide-toggle-fullscreen=on`	Hide toggle-fullscreen option from the View menu. Also used for kiosk mode scenarios. Single Argument Example: `./Frame --hide-toggle-fullscreen=on`
`--use-experimental-gpu-flags=on`	Enable Hardware Acceleration. Mainly used on IGEL client devices. Single Argument Example: `./Frame --use-experimental-gpu-flags=on`



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Launch Frame App with arguments following the pattern:

```
# Starting in "C:\Program Files\Frame>"

# Single argument (Requires -- before flag)
& ./Frame.exe -- --arg=value

# OR

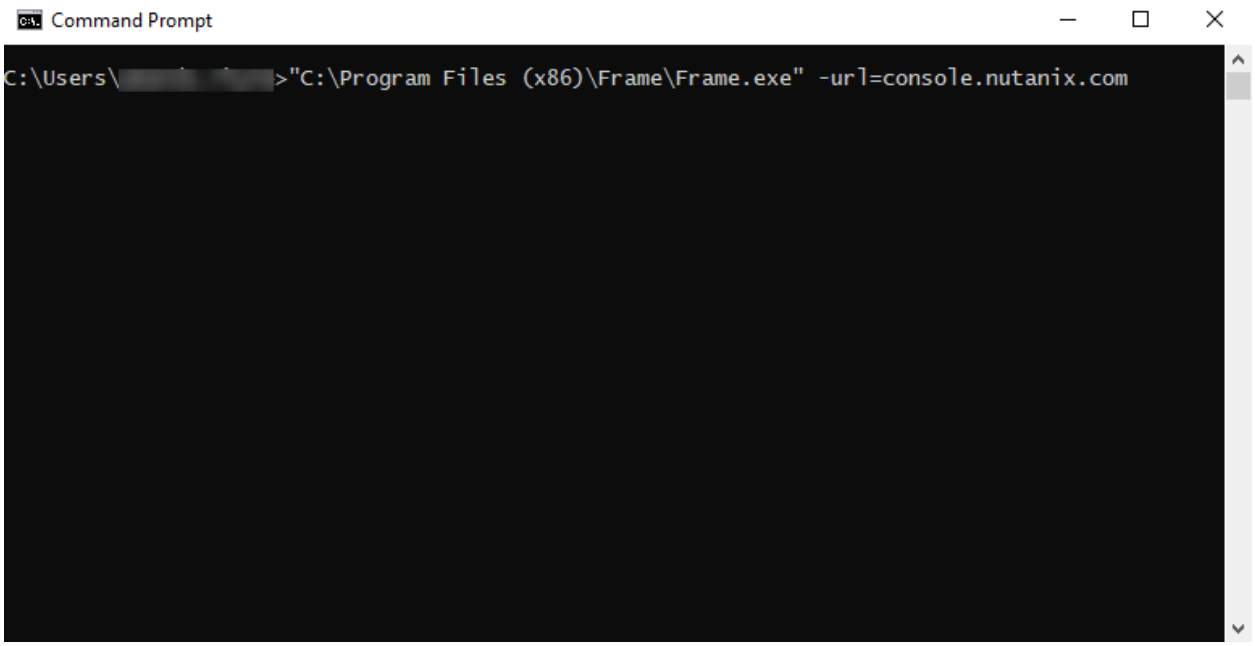
# Multiple Arguments
& ./Frame.exe --arg1 --arg2=value
```

Command Line Argument	Description and Syntax Example
`--startup-url`	Designates the startup URL, as you would on the “Preferences” page of Frame App. Single Argument Example: `& ./Frame.exe -- --startup-url="https://console.nutanix.com/"`

Command Line Argument	Description and Syntax Example
`--check-for-updates-on-startup`	Frame App will check for updates on startup when this argument is set to **ON**. Single Argument Example: `& ./Frame.exe -- --check-for-updates-on-startup=on`
`--clear-cache-on-startup`	Frame App will automatically clear the local cache on startup when argument is set to **ON**. Single Argument Example: `& ./Frame.exe -- --clear-cache-on-startup=on`
`--enable-camera`	Frame App will launch with camera functionality enabled when this argument is set to **ON**. Single Argument Example: `& ./Frame.exe -- --enable-camera=on`
`--enable-microphone`	Frame App will launch with microphone functionality enabled when this argument is set to **ON**. Single Argument Example: `& ./Frame.exe -- --enable-microphone=on`

Command Line Argument	Description and Syntax Example
`--full-screen`	Instructs Frame App to launch in full screen when this argument is set to **ON**. Single Argument Example: `& ./Frame.exe -- --full-screen=on`
`--start-session-in-full-screen`	Instructs Frame App to start a session in full screen when this argument is set to **ON**. Single Argument Example: `& ./Frame.exe -- --start-session-in-full-screen=on`
`--help`	Provides a help menu. This command must be called on the precise application executable. Single Argument Example: `C:\Program Files\Frame\app-7.5.0\Frame.exe -- --help`
`--version`	Shows Frame App version. Requires `| Write-Output` modifier. Single Argument Example: `& ./Frame.exe -- --version | Write-Output`

Command Line Argument	Description and Syntax Example
`--hide-menu-bar=on`	Hide Menu Bar. Useful in kiosk mode scenarios. Single Argument Example: `& ./Frame.exe -- --hide-menu-bar=on`
`--hide-toggle-fullscreen=on`	Hide toggle-fullscreen option from the View menu. Also used for kiosk mode scenarios. Single Argument Example: `& ./Frame.exe -- --hide-toggle-fullscreen=on`
`--use-experimental-gpu-flags=on`	Enable Hardware Acceleration. Mainly used on IGEL client devices. Single Argument Example: `& ./Frame.exe -- --use-experimental-gpu-flags=on`



User Preference Policies

Frame Administrators can enforce user preference policies across all installations of Frame App for Linux, Frame App for macOS, and/or Frame App for Windows through a preferences.conf file (Linux), plist (macOS), and group policy objects (Windows), respectively.

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For Frame App for Linux 7 and greater, Frame administrators can control user preferences by creating and saving a configuration file at the location `/etc/frame/preferences.conf`.

The conf file contains name-value pairs in the format `KEY` = `VALUE`. Spaces will be ignored. The list of supported keys and associated values are described in the following table.

```
STARTUP_URL=https://use.difr.com/
CLEAR_CACHE_ON_STARTUP=ON
```

Key Name	Description	Value(s)

`STARTUP_URL`	Designates the startup Uniform Resource Location (URL). Default Value: `https://console.nutanix.com/`	URL
`CHECK_FOR_UPDATES_ON_STARTUP`	Frame App will check for updates on startup when this argument is set to **ON**. If there is an update available, Frame App will ask the user if they wish to download and install the update. Default Value: `ON`	`ON` or `OFF`
`CLEAR_CACHE_ON_STARTUP`	Frame App will automatically clear local cache on startup when this argument is set to **ON**. Default Value: `ON`	`ON` or `OFF`
`ENABLE_CAMERA`	Frame App will launch with camera functionality enabled when this argument is set to **ON**. Default Value: `ON`	`ON` or `OFF`
`ENABLE_MICROPHONE`	Frame App will launch with microphone functionality enabled when this argument is set to **ON**. Default Value: `ON`	`ON` or `OFF`
`FULL_SCREEN`	Instructs Frame App to launch in full screen when this argument is set to **ON**. Default Value: `OFF`	`ON` or `OFF`
`START_SESSION_IN_FULL_SCREEN`	Instructs Frame App to start a session in full screen when this argument is set to **ON**. Default Value: `OFF`	`ON` or `OFF`

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For Frame App for macOS 7 and greater, Frame administrators can control user preferences by creating and saving a plist file at the location `/Users/Shared/frame/preferences.plist`.

The plist file contains name-value pairs in the format:

```
<key>VALID_KEY</key>
<string>VALID_VALUE</string>
```

An example plist file would be:

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN"
"http://www.apple.com/DTDs/PropertyList-1.0.dtd">
<plist version="1.0">
  <dict>
    <key>STARTUP_URL</key>
    <string>https://console.nutanix.com/</string>
    <key>CLEAR_CACHE_ON_STARTUP</key>
    <string>ON</string>
  </dict>
</plist>
```

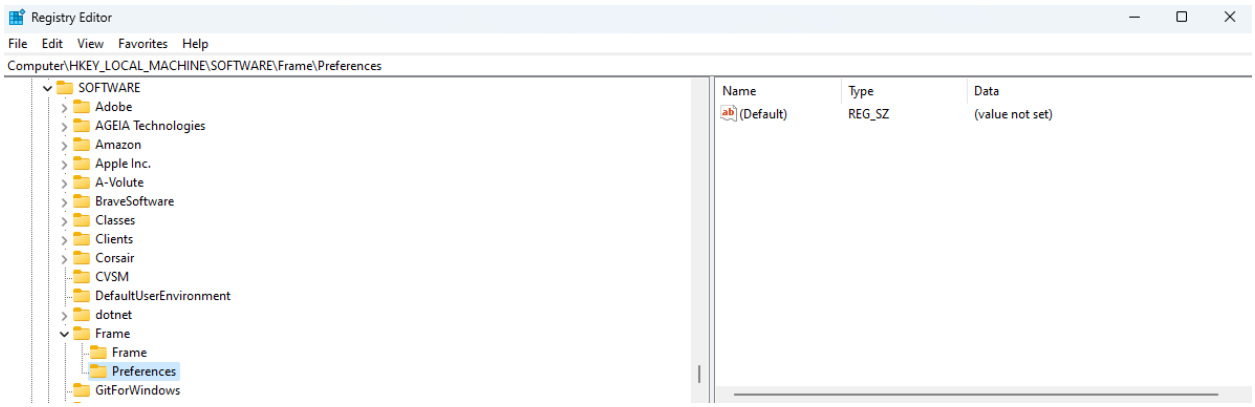
Key Name	Description	Value(s)
`STARTUP_URL`	Designates the startup Uniform Resource Location (URL). Default Value: `https://console.nutanix.com/`	URL
`CHECK_FOR_UPDATES_ON_STARTUP`	Frame App will check for updates on startup when this argument is set to **ON**. If there is an update available, Frame App will ask the user if they wish to download and install the update. Default Value: `ON`	`ON` or `OFF`
`CLEAR_CACHE_ON_STARTUP`	Frame App will automatically clear local cache on startup when this argument is set to **ON**. Default Value: `ON`	`ON` or `OFF`
`ENABLE_CAMERA`	Frame App will launch with camera functionality enabled when this argument is set to **ON**. Default Value: `ON`	`ON` or `OFF`

Key Name	Description	Value(s)
`ENABLE_MICROPHONE`	Frame App will launch with microphone functionality enabled when this argument is set to **ON**. Default Value: `ON`	`ON` or `OFF`
`FULL_SCREEN`	Instructs Frame App to launch in full screen when this argument is set to **ON**. Default Value: `OFF`	`ON` or `OFF`
`START_SESSION_IN_FULL_SCREEN`	Instructs Frame App to start a session in full screen when this argument is set to **ON**. Default Value: `OFF`	`ON` or `OFF`

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Frame App for Windows (version 7 or greater) enables Windows administrators to set user preferences via group policy objects (GPOs). This allows Windows administrators to use Windows GPOs to change those preferences for all users or specific users.

Administrators can update Frame App user preferences either in `HKEY_LOCAL_MACHINE` or `HKEY_CURRENT_USER`. If user preference registry keys are set in `HKEY_LOCAL_MACHINE`, those user preferences will take precedence as they will apply to all users. The relative path to the registry keys is `\SOFTWARE\Frame\Preferences`.



User Preferences in Windows Registry

```
STARTUP_URL=https://console.nutanix.com/
CLEAR_CACHE_ON_STARTUP=ON
```

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Key Name	Description	Value(s)
`STARTUP_URL`	Designates the startup Uniform Resource Location (URL). Default Value: `https://console.nutanix.com/`	URL
`CHECK_FOR_UPDATES_ON_STARTUP`	Frame App will check for updates on startup when this argument is set to **ON**. If there is an update available, Frame App will ask the user if they wish to download and install the update. Default Value: `ON`	`ON` or `OFF`
`CLEAR_CACHE_ON_STARTUP`	Frame App will automatically clear local cache on startup when this argument is set to **ON**. Default Value: `ON`	`ON` or `OFF`
`ENABLE_CAMERA`	Frame App will launch with camera functionality enabled when this argument is set to **ON**. Default Value: `ON`	`ON` or `OFF`
`ENABLE_MICROPHONE`	Frame App will launch with microphone functionality enabled when this argument is set to **ON**. Default Value: `ON`	`ON` or `OFF`
`FULL_SCREEN`	Instructs Frame App to launch in full screen when this argument is set to **ON**. Default Value: `OFF`	`ON` or `OFF`

Key Name	Description	Value(s)
`START_SESSION_IN_FULL_SCREEN`	Instructs Frame App to start a session in full screen when this argument is set to **ON**. Default Value: `OFF`	`ON` or `OFF`

Local Cache

Frame App functions similarly to web browsers. Frame App contains a local cache that saves cookies, session tokens, and specific user preferences (e.g., automatically use all local displays). The cache can be deleted manually when required.

Follow the steps below based on the operating system on which Frame App is installed. Replace `$USER` with the name of your user.

Frame App 7.X Linux

```
/home/$USER/.config/Frame/cache
```

Frame App 7.X MacOS

```
/Users/$USER/Library/Application Support/Frame/cache
```

Frame App 7.X Windows

```
C:\Users\$USER\AppData\Roaming\Frame\cache
```

> The removal of the local cache will not remove the Startup URL value as this is stored either in the Preferences database or
> in the registry (for Windows).

Log Location

Frame App writes its logs to the following locations. Replace `username` with the name of your user.

Frame App 7.X Linux

```
/home/$USER/.config/Frame/Logs
```

Frame App 7.X MacOS

```
/Users/$USER/Library/Application Support/Frame/Logs
```

Frame App 7.X Windows

```
C:\Users\$USER\AppData\Roaming\Frame\Logs
```

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