Configuration

Streamlit provides four different ways to set configuration options. This list is in reverse order of precedence, i.e. command line flags take precedence over environment variables when the same configuration option is provided multiple times.

1. In a **global config file** at `~/.streamlit/config.toml` for macOS/Linux or `%userprofile%/.streamlit/config.toml` for Windows:

```
[server]
port = 80
```

2. In a **per-project config file** at `$CWD/.streamlit/config.toml`, where `$CWD` is the folder you're running Streamlit from.

3. Through `STREAMLIT_*` **environment variables**, such as:

```
export STREAMLIT_SERVER_PORT=80
export STREAMLIT_SERVER_COOKIE_SECRET=dontforgottochangeme
```

4. As **flags on the command line** when running `streamlit run` :

```
streamlit run your_script.py --server.port 80
```

Telemetry

As mentioned during the installation process, Streamlit collects usage statistics. You can find out more by reading our privacy policy, but the high-level summary is that although we collect telemetry data we cannot see and do not store information contained in Streamlit apps.

If you'd like to opt out of usage statistics, add the following to your config file:

```
[browser]
gatherUsageStats = false
```

Theming

You can change the base colors of your app using the `[theme]` section of the configuration system. To learn more, see Theming.

View all configuration options

As described in Command-line options, you can view all available configuration option using:

```
streamlit config show
```

The command above will print something like this:

```
# Streamlit version: 1.9.0

[global]

# By default, Streamlit checks if the Python watchdog module is available an
# If you'd like to turn off this warning, set this to True.
# Default: false
disableWatchdogWarning = false

# If True, will show a warning when you run a Streamlit-enabled script via "
# Default: true
showWarningOnDirectExecution = true

# DataFrame serialization.
# Acceptable values: - 'legacy': Serialize DataFrames using Streamlit's cust
```

```
# Default: "arrow"
dataFrameSerialization = "arrow"


[logger]

# Level of logging: 'error', 'warning', 'info', or 'debug'.
# Default: 'info'
level = "info"

# String format for logging messages. If logger.datetimeFormat is set, logge
# Default: "%(asctime)s %(message)s"
messageFormat = "%(asctime)s %(message)s"


[client]

# Whether to enable st.cache.
# Default: true
caching = true

# If false, makes your Streamlit script not draw to a Streamlit app.
# Default: true
displayEnabled = true

# Controls whether uncaught app exceptions are displayed in the browser. By
# If set to False, an exception will result in a generic message being shown
# Default: true
showErrorDetails = true


[runner]

# Allows you to type a variable or string by itself in a single line of Pyth
# Default: true
magicEnabled = true

# Install a Python tracer to allow you to stop or pause your script at any p
# Default: false
installTracer = false
```

```
# Sets the MPLBACKEND environment variable to Agg inside Streamlit to preven
# Default: true
fixMatplotlib = true


# Run the Python Garbage Collector after each script execution. This can help
# Default: true
postScriptGC = true


# Handle script rerun requests immediately, rather than waiting for script e
# Default: false
fastReruns = false



[server]

# List of folders that should not be watched for changes. This impacts both
# Relative paths will be taken as relative to the current working directory.
# Example: ['/home/user1/env', 'relative/path/to/folder']
# Default: []
folderWatchBlacklist = []


# Change the type of file watcher used by Streamlit, or turn it off complete
# Allowed values: * "auto" : Streamlit will attempt to use the watchdog modu
# Default: "auto"
fileWatcherType = "auto"


# Symmetric key used to produce signed cookies. If deploying on multiple rep
# Default: randomly generated secret key.
cookieSecret =


# If false, will attempt to open a browser window on start.
# Default: false unless (1) we are on a Linux box where DISPLAY is unset, or
headless = false


# Automatically rerun script when the file is modified on disk.
# Default: false
runOnSave = false


# The address where the server will listen for client and browser connection
```

```
# Default: (unset)
# address =

# The port where the server will listen for browser connections.
# Default: 8501
port = 8501


# The base path for the URL where Streamlit should be served from.
# Default: ""
baseUrlPath = ""


# Enables support for Cross-Origin Request Sharing (CORS) protection, for ad
# Due to conflicts between CORS and XSRF, if `server.enableXsrfProtection` i
# Default: true
enableCORS = true


# Enables support for Cross-Site Request Forgery (XSRF) protection, for adde
# Due to conflicts between CORS and XSRF, if `server.enableXsrfProtection` i
# Default: true
enableXsrfProtection = true


# Max size, in megabytes, for files uploaded with the file_uploader.
# Default: 200
maxUploadSize = 200


# Max size, in megabytes, of messages that can be sent via the WebSocket con
# Default: 200
maxMessageSize = 200


# Enables support for websocket compression.
# Default: false
enableWebsocketCompression = false



[browser]

# Internet address where users should point their browsers in order to conne
# This is used to: - Set the correct URL for CORS and XSRF protection purpos
# Default: 'localhost'
serverAddress = "localhost"
```

```
# Whether to send usage statistics to Streamlit.
# Default: true
gatherUsageStats = true


# Port where users should point their browsers in order to connect to the ap
# This is used to: - Set the correct URL for CORS and XSRF protection purpos
# Default: whatever value is set in server.port.
serverPort = 8501



[mapbox]

# Configure Streamlit to use a custom Mapbox token for elements like st.pyde
# Default: ""
token = ""



[deprecation]

# Set to false to disable the deprecation warning for the file uploader enco
# Default: true
showfileUploaderEncoding = true

# Set to false to disable the deprecation warning for using the global pyplo
# Default: true
showPyplotGlobalUse = true



[theme]

# The preset Streamlit theme that your custom theme inherits from. One of "l
# base =

# Primary accent color for interactive elements.
# primaryColor =

# Background color for the main content area.
# backgroundColor =
```

```
# Background color used for the sidebar and most interactive widgets.
# secondaryBackgroundColor =


# Color used for almost all text.
# textColor =


# Font family for all text in the app, except code blocks. One of "sans seri
# font =
```