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# config.toml



`config.toml` is an optional file you can define for your working directory or global development environment. When `config.toml` is defined both globally and in your working directory, Streamlit combines the configuration options and gives precedence to the working-directory configuration. Additionally, you can use environment variables and command-line options to override additional configuration options. For more information, see [Configuration options](#).

## File location



To define your configuration locally or per-project, add `.streamlit/config.toml` to your working directory. Your working directory is wherever you call `streamlit run`. If you haven't previously created the `.streamlit` directory, you will need to

add it.

To define your configuration globally, you must first locate your global `.streamlit` directory. Streamlit adds this hidden directory to your OS user profile during installation. For MacOS/Linux, this will be `~/.streamlit/config.toml`. For Windows, this will be `%userprofile%/.streamlit/config.toml`.

## File format



`config.toml` is a [TOML](#) file.

## Example

```
[client] showErrorDetails = "none" [theme] primaryColor = "#F63366" backgroundColor = "black"
```

## Available configuration options



Below are all the sections and options you can have in your `.streamlit/config.toml` file. To see all configurations, use the following command in your terminal or CLI:

```
streamlit config show
```

### Global

```
[global] # By default, Streamlit displays a warning when a user sets both a widget # default value in
the function defining the widget and a widget value via # the widget's key in `st.session_state`. # If
you'd like to turn off this warning, set this to True. # Default: false
disableWidgetStateDuplicationWarning = false # If True, will show a warning when you run a Streamlit-
enabled script # via "python my_script.py". # Default: true showWarningOnDirectExecution = true
```

### Logger

```
[logger] # Level of logging for Streamlit's internal logger: "error", "warning", # "info", or "debug".
# Default: "info" level = "info" # String format for logging messages. If logger.datetimeFormat is
set, # logger messages will default to `%(asctime)s.%(msecs)03d %(message)s`. See # Python's
documentation for available attributes: # https://docs.python.org/3/library/logging.html#formatter-
objects # Default: "%(asctime)s %(message)s" messageFormat = "%(asctime)s %(message)s"
```

### Client

```
[client] # Controls whether uncaught app exceptions and deprecation warnings # are displayed in the
browser. This can be one of the following: # - "full" : In the browser, Streamlit displays app
deprecation # warnings and exceptions, including exception types, # exception messages, and associated
tracebacks. # - "stacktrace" : In the browser, Streamlit displays exceptions, # including exception
types, generic exception messages, # and associated tracebacks. Deprecation warnings and # full
exception messages will only print to the # console. # - "type" : In the browser, Streamlit displays
exception types and # generic exception messages. Deprecation warnings, full # exception messages, and
associated tracebacks only # print to the console. # - "none" : In the browser, Streamlit displays
generic exception # messages. Deprecation warnings, full exception # messages, associated tracebacks,
and exception types # will only print to the console. # - True : This is deprecated. Streamlit
displays "full" # error details. # - False : This is deprecated. Streamlit displays "stacktrace" #
error details. # Default: "full" showErrorDetails = "full" # Change the visibility of items in the
toolbar, options menu, # and settings dialog (top right of the app). # Allowed values: # - "auto" :
Show the developer options if the app is accessed through # localhost or through Streamlit Community
Cloud as a developer. # Hide them otherwise. # - "developer" : Show the developer options. # -
```

"viewer" : Hide the developer options. # - "minimal": Show only options set externally (e.g. through # Streamlit Community Cloud) or through st.set\_page\_config. # If there are no options left, hide the menu. # Default: "auto" toolbarMode = "auto" # Controls whether to display the default sidebar page navigation in a # multi-page app. This only applies when app's pages are defined by the # `pages/` directory. # Default: true showSidebarNavigation = true

## Runner

[runner] # Allows you to type a variable or string by itself in a single line of # Python code to write it to the app. # Default: true magicEnabled = true # Handle script rerun requests immediately, rather than waiting for script # execution to reach a yield point. This makes Streamlit much more # responsive to user interaction, but it can lead to race conditions in # apps that mutate session\_state data outside of explicit session\_state # assignment statements. # Default: true fastReruns = true # Raise an exception after adding unserializable data to Session State. # Some execution environments may require serializing all data in Session # State, so it may be useful to detect incompatibility during development, # or when the execution environment will stop supporting it in the future. # Default: false enforceSerializableSessionState = false # Adjust how certain 'options' widgets like radio, selectbox, and # multiselect coerce Enum members when the Enum class gets re-defined # during a script re-run. For more information, check out the docs: # <https://docs.streamlit.io/develop/concepts/design/custom-classes#enums> # Allowed values: # - "off" : Disables Enum coercion. # - "nameOnly" : Enum classes can be coerced if their member names match. # - "nameAndValue" : Enum classes can be coerced if their member names AND # member values match. # Default: "nameOnly" enumCoercion = "nameOnly"

## Server

[server] # List of folders that should not be watched for changes. # 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 # completely. # Allowed values: # - "auto" : Streamlit will attempt to use the watchdog module, and # falls back to polling if watchdog is not available. # - "watchdog" : Force Streamlit to use the watchdog module. # - "poll" : Force Streamlit to always use polling. # - "none" : Streamlit will not watch files. # Default: "auto" fileWatcherType = "auto" # Symmetric key used to produce signed cookies. If deploying on multiple # replicas, this should be set to the same value across all replicas to ensure # they all share the same secret. # Default: randomly generated secret key. cookieSecret = "a-random-key-appears-here" # 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 # (2) we are running in the Streamlit Atom plugin. 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 # connections. Use this if you want to bind the server to a specific address. # If set, the server will only be accessible from this address, and not from # any aliases (like localhost). # Default: (unset) address = # The port where the server will listen for browser connections. # Don't use port 3000 which is reserved for internal development. # Default: 8501 port = 8501 # The base path for the URL where Streamlit should be served from. # Default: "" baseUrlPath = "" # Enables support for Cross-Origin Resource Sharing (CORS) protection, # for added security. # If XSRF protection is enabled and CORS protection is disabled at the # same time, Streamlit will enable them both instead. # Default: true enableCORS = true # Enables support for Cross-Site Request Forgery (XSRF) protection, for # added security. # If XSRF protection is enabled and CORS protection is disabled at the # same time, Streamlit will enable them both instead. # 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 # connection. # Default: 200 maxMessageSize = 200 # Enables support for websocket compression. # Default: false enableWebsocketCompression = false # Enable serving files from a `static` directory in the running app's # directory. # Default: false enableStaticServing = false # TTL in seconds for sessions whose websockets have been disconnected. The server # may choose to clean up session state, uploaded files, etc for a given session # with no active websocket connection at any point after this time has passed. # Default: 120 disconnectedSessionTTL = 120 # Server certificate file for connecting via HTTPS. # Must

be set at the same time as "server.sslKeyFile". # ['DO NOT USE THIS OPTION IN A PRODUCTION ENVIRONMENT. It has not gone through # security audits or performance tests. For the production environment, we # recommend performing SSL termination by the load balancer or the reverse # proxy.']] sslCertFile = # Cryptographic key file for connecting via HTTPS. # Must be set at the same time as "server.sslCertFile". # ['DO NOT USE THIS OPTION IN A PRODUCTION ENVIRONMENT. It has not gone through # security audits or performance tests. For the production environment, we # recommend performing SSL termination by the load balancer or the reverse # proxy.']] sslKeyFile =

## Browser

[browser] # Internet address where users should point their browsers in order to # connect to the app. Can be IP address or DNS name and path. # This is used to: # - Set the correct URL for CORS and XSRF protection purposes. # - Show the URL on the terminal # - Open the browser # 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 # app. # This is used to: # - Set the correct URL for XSRF protection purposes. # - Show the URL on the terminal (part of `streamlit run`). # - Open the browser automatically (part of `streamlit run`). # This option is for advanced use cases. To change the port of your app, use # `server.Port` instead. Don't use port 3000 which is reserved for internal # development. # Default: whatever value is set in server.port. serverPort = 8501

## Mapbox

[mapbox] # Configure Streamlit to use a custom Mapbox # token for elements like st.pydeck\_chart and st.map. # To get a token for yourself, create an account at # https://mapbox.com. It's free (for moderate usage levels)! # Default: "" token = ""

## Theme

[theme] # The preset Streamlit theme that your custom theme inherits from. # One of "light" or "dark". 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 serif", # "serif", or "monospace". font =

## Secrets

[secrets] # List of locations where secrets are searched. An entry can be a path to a # TOML file or directory path where Kubernetes style secrets are saved. # Order is important, import is first to last, so secrets in later files # will take precedence over earlier ones. # Default: [ <path to local environment's secrets.toml file>, <path to project's secrets.toml file>,) files = [ "~/streamlit/secrets.toml", "~/project directory/streamlit/secrets.toml",]

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*forum*

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