STORING KEYS

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st.secrets

- https://docs.streamlit.io/develop/api-reference/connections/st.secrets
- https://docs.streamlit.io/deploy/streamlit-community-cloud/deploy-your-app/secrets-management
- https://medium.com/@jaypeterman/managing-secrets-in-streamlit-22285cb9ef54

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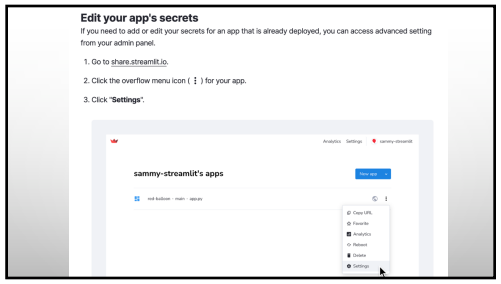
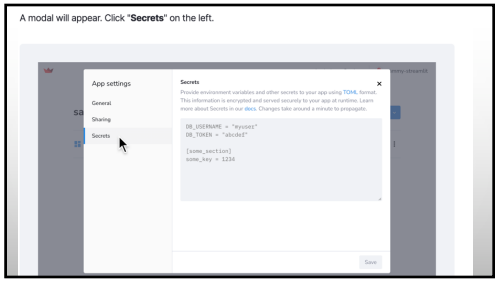


3

A modal will appear. Click "**Secrets**" on the left.



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Using st.secrets

```
import streamlit as st
import os

# Everything is accessible via the st.secrets dict:
st.write("DB username:", st.secrets["db_username"])
st.write("DB password:", st.secrets["db_password"])
st.write("My cool secrets:", st.secrets["my_cool_secrets"]["things_i_like"])

# And the root-level secrets are also accessible as environment variables:
st.write(
    "Has environment variables been set:",
    os.environ["db_username"] == st.secrets["db_username"],
)
```

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Develop locally with secrets

When developing your app locally, add a file called `secrets.toml` in a folder called `.streamlit` at the root of your app repo, and copy/paste your secrets into that file. Further instructions are available in the Streamlit library Secrets management documentation.

Important

Be sure to add this file to your `.gitignore` so you don't commit your secrets!

```
your-LOCAL-repository/
├── .streamlit/
│   ├── config.toml
│   └── secrets.toml # Make sure to gitignore this!
├── your_app.py
└── requirements.txt
```

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st.secrets

Enter your secrets into `secrets.toml`:

```
# Only this section will be environment variables
API_KEY = 'your-api-key'

['stuff']
colors = ['red', 'blue', 'green']
```

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```
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st.write("DB password:", st.secrets["db_password"])
st.write("My cool secrets:", st.secrets["my_cool_secrets"]["things_i_like"])

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    "Has environment variables been set:",
    os.environ["db_username"] == st.secrets["db_username"],
)
```

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LAB 2B: Update the application to use 'secrets' or '.env'

- Remove the text input for the user to supply the LLM key.
- Rather, update the application so that the application gets the key via Streamlit 'secrets'
- Deploy the app and test to make sure everything works

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