

Extending Streamlit Web Applications



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Module Overview



- Quick look at Streamlit components
- Create a basic image editor with a component
- More community resources
- How to configure web applications

Out of the Box Streamlit Components

Static components

Only sends data to browser

Example: `st.write(...)`

Bidirectional components

Sends and receives data

Example: `st.radio(...)`

Custom Streamlit Components

Add custom behaviors, styles, widgets
Can be added into a Python package
Require HTML, CSS, JavaScript

Basic Image Editor with a Streamlit Component

Is there a similar custom Streamlit component?

Read documentation

Check <https://github.com/andfanilo/streamlit-drawable-canvas>

More Community Resources

Official website

<https://streamlit.io>

Official docs

<https://docs.streamlit.io>

Forum

<https://discuss.streamlit.io>

Gallery

<https://streamlit.io/gallery>

Github

<https://github.com/topics/streamlit>

How to Configure Web Applications

Set environment-specific options

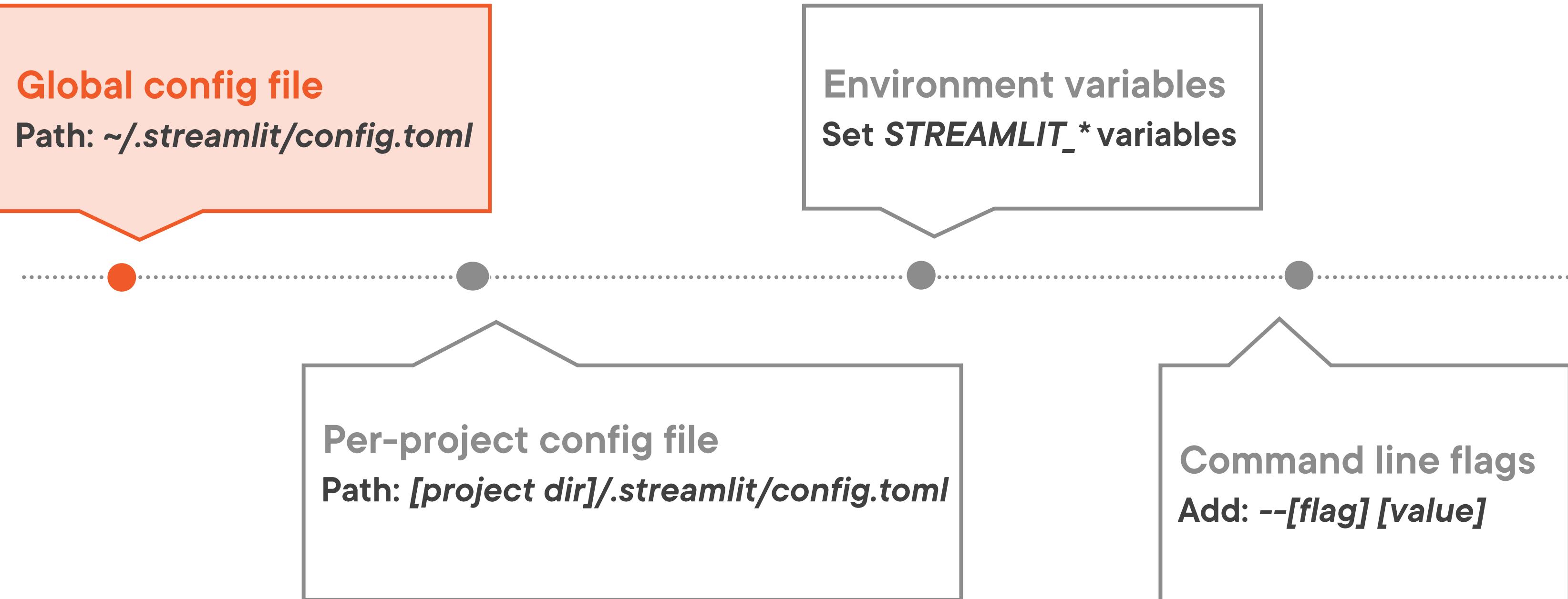
How to check configuration options

- Run ‘`streamlit config show`’

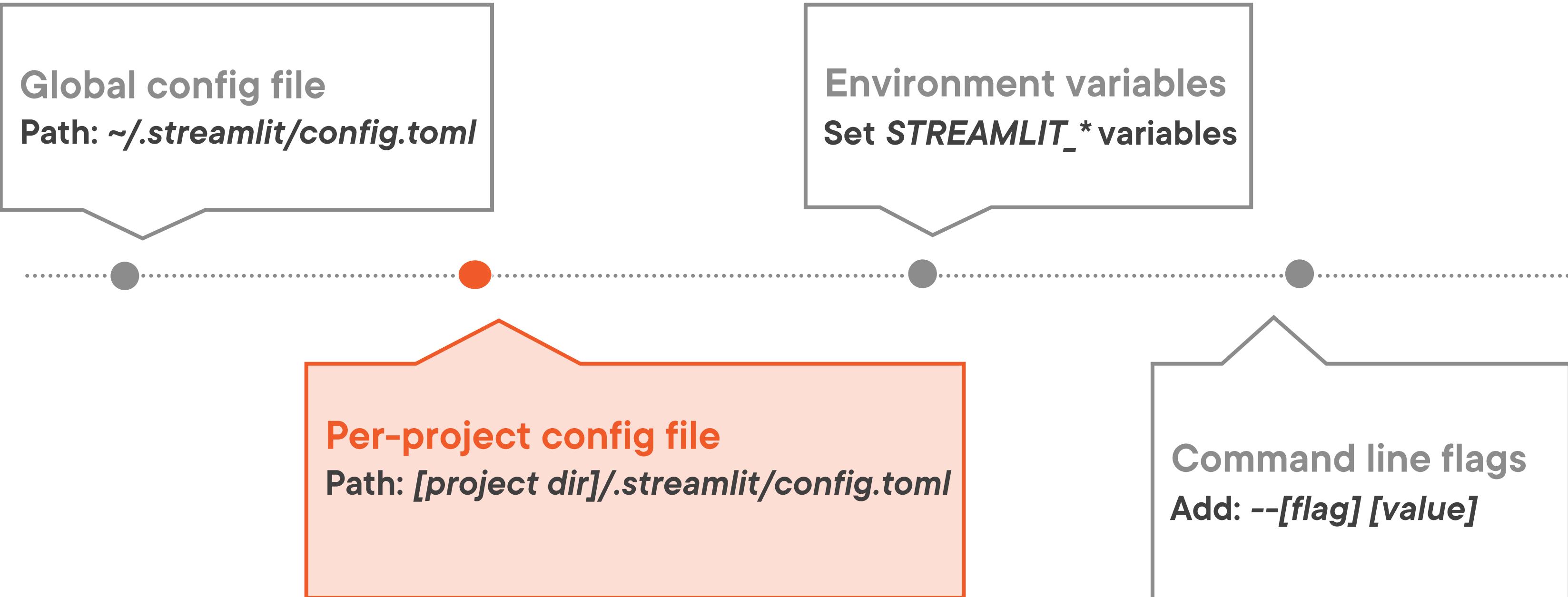
Examples of configuration options

- Change app port: ‘`server.port`’
- Send usage statistics:
‘`browser.gatherUsageStats`’
- Mapbox token: ‘`mapbox.token`’

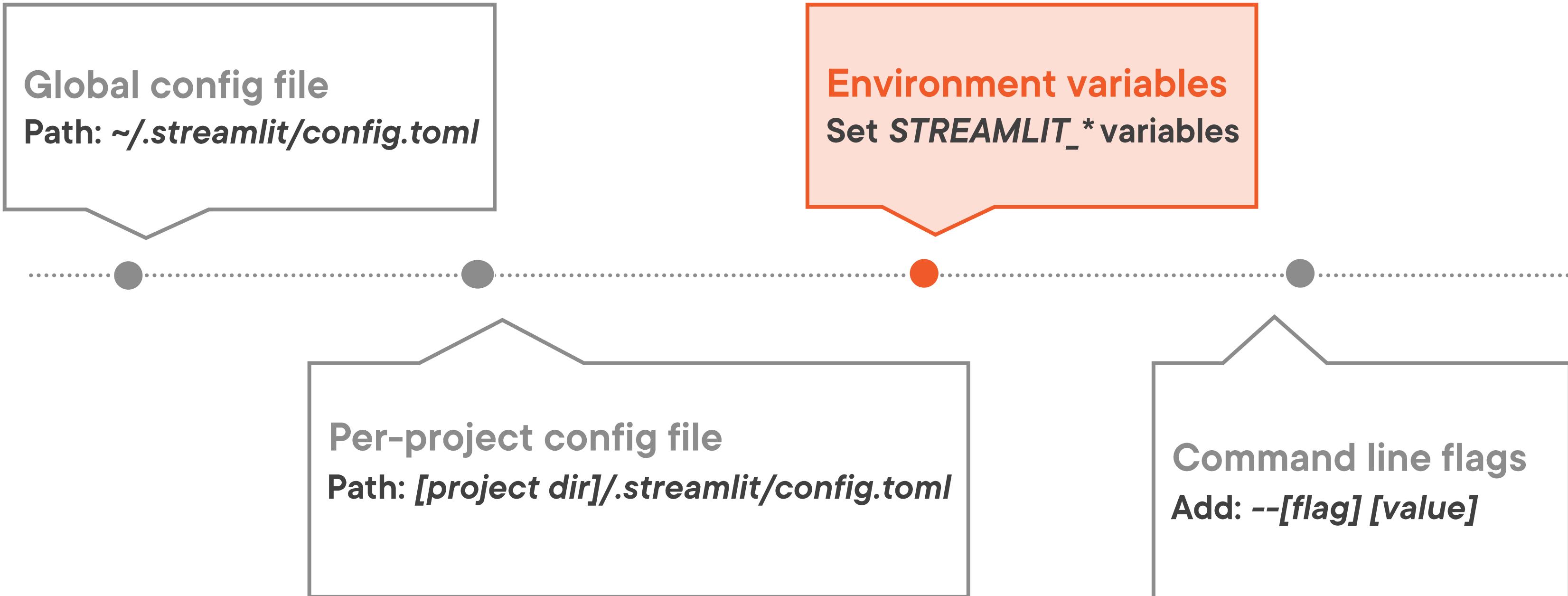
Setting Configuration Options



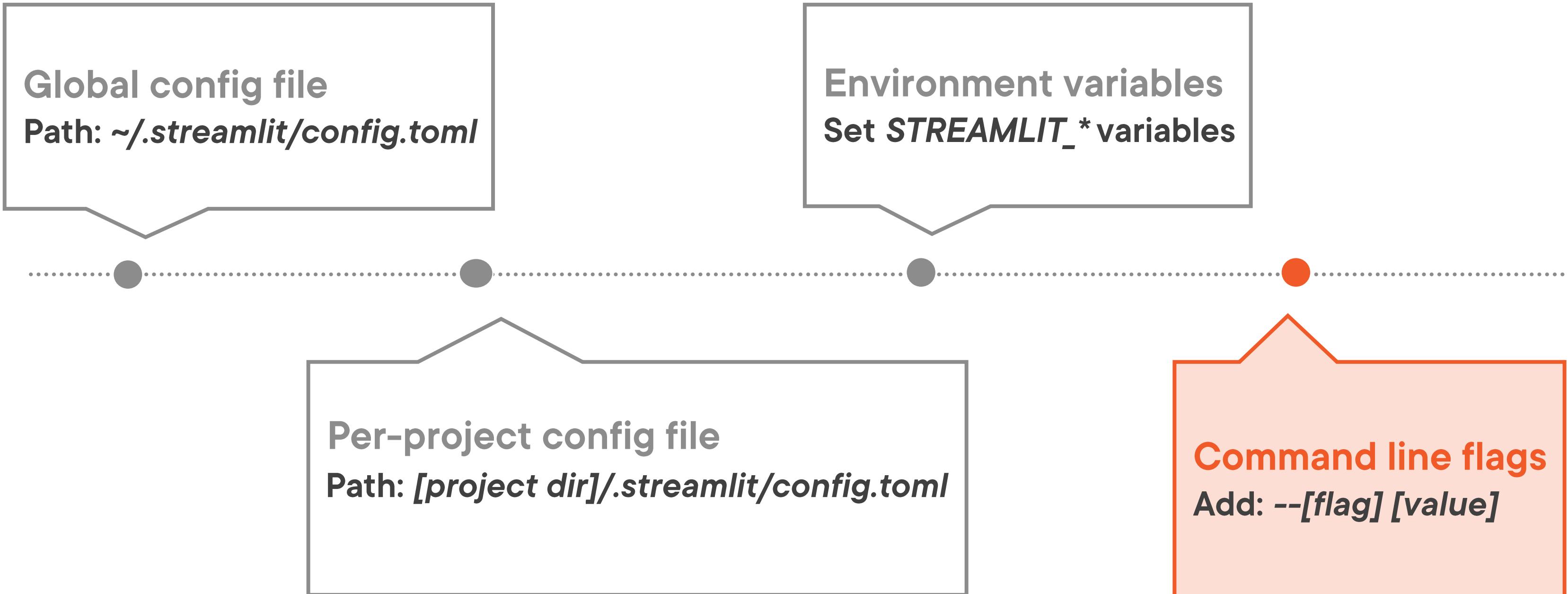
Setting Configuration Options



Setting Configuration Options



Setting Configuration Options



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Up Next:
Deploying Streamlit Web Applications
