

[Documentation](#)

search

Search

- [rocket launch](#)

[Get started](#)

- [Installation](#)
add
- [Fundamentals](#)
add
- [First steps](#)
add
- [code](#)

[Develop](#)

- [Concepts](#)
add
 - [API reference](#)
remove
 - PAGE ELEMENTS
-
- [Write and magic](#)
add
 - [Text elements](#)
add
 - [Data elements](#)
add
 - [Chart elements](#)
add
 - [Input widgets](#)
add
 - [Media elements](#)
add
 - [Layouts and containers](#)
remove
 - [st.columns](#)
 - [st.container](#)
 - [st.dialoglink](#)
 - [st.empty](#)
 - [st.expander](#)
 - [st.formlink](#)
 - [st.popover](#)
 - [st.sidebar](#)
 - [st.tabs](#)
 - [Chat elements](#)
add
 - [Status elements](#)
add
 - [Third-party components](#)*open in new*
 - APPLICATION LOGIC
-

- [Navigation and pages](#)
add
- [Execution flow](#)
add
- [Caching and state](#)
add
- [Connections and secrets](#)
add
- [Custom components](#)
add
- [Utilities](#)
add
- [Configuration](#)
add
- TOOLS

-
- [App testing](#)
add
 - [Command line](#)
add

- [Tutorials](#)
add
- [Quick reference](#)
add
- [web asset](#)

[Deploy](#)

- [Concepts](#)
add
- [Streamlit Community Cloud](#)
add
- [Snowflake](#)
- [Other platforms](#)
add
- [school](#)

[Knowledge base](#)

- [FAQ](#)
- [Installing dependencies](#)
- [Deployment issues](#)
- [Home/](#)
- [Develop/](#)
- [API reference/](#)
- [Layouts and containers/](#)
- [st.container](#)

st.container



Streamlit Version Version 1.41.0 ▼

Insert a multi-element container.

Inserts an invisible container into your app that can be used to hold multiple elements. This allows you to, for example, insert multiple elements into your app out of order.

To add elements to the returned container, you can use the `with` notation (preferred) or just call methods directly on the returned object. See examples below.

Function signature[\[source\]](#)

`st.container(*, height=None, border=None, key=None)`

Parameters

	Desired height of the container expressed in pixels. If <code>None</code> (default) the container grows to fit its content. If a fixed height, scrolling is enabled for large content and a grey border is shown around the container to visually separate its scroll surface from the rest of the app.
height (int or None)	<p>Note</p> <p>Use containers with scroll sparingly. If you do, try to keep the height small (below 500 pixels). Otherwise, the scroll surface of the container might cover the majority of the screen on mobile devices, which makes it hard to scroll the rest of the app.</p>
border (bool or None)	Whether to show a border around the container. If <code>None</code> (default), a border is shown if the container is set to a fixed height and not shown otherwise.
key (str or None)	<p>An optional string to give this container a stable identity.</p> <p>Additionally, if <code>key</code> is provided, it will be used as CSS class name prefixed with <code>st-key-</code>.</p>

Examples

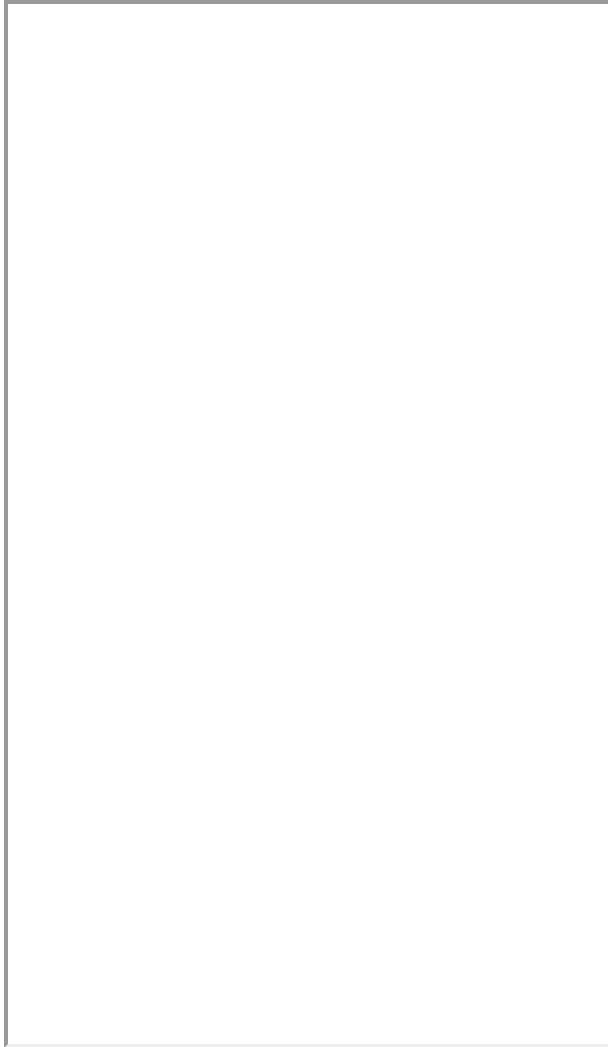
Inserting elements using `with` notation:

```
import streamlit as st

with st.container():
    st.write("This is inside the container")

    # You can call any Streamlit command, including custom components:
    st.bar_chart(np.random.randn(50, 3))

st.write("This is outside the container")
```



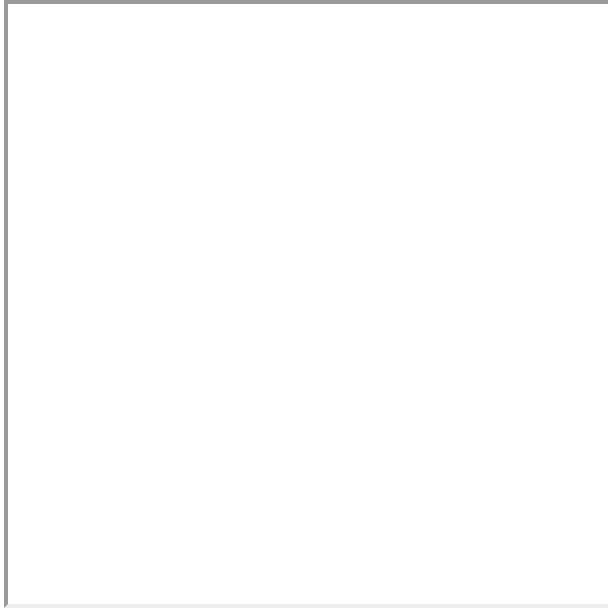
[Built with Streamlit !\[\]\(21199eb166cc97331a0c54c649195dcc_img.jpg\)](#)
[Fullscreen open in new](#)

Inserting elements out of order:

```
import streamlit as st

container = st.container(border=True)
container.write("This is inside the container")
st.write("This is outside the container")

# Now insert some more in the container
container.write("This is inside too")
```



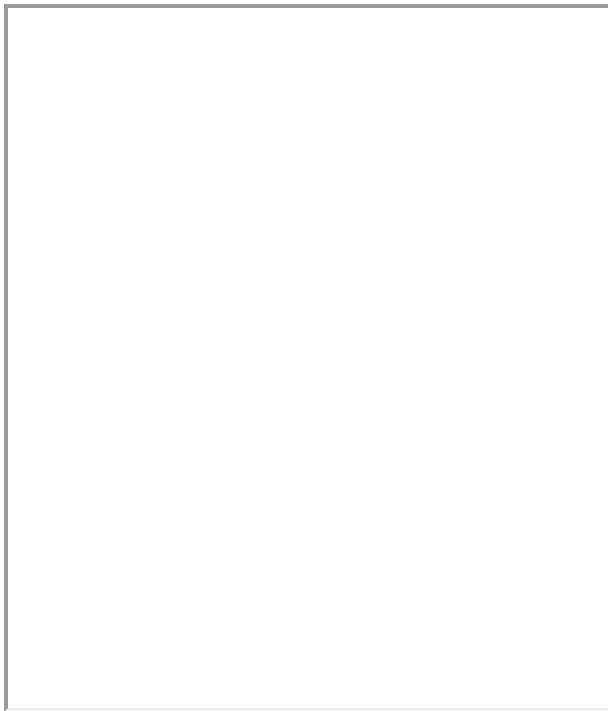
[Built with Streamlit 📌](#)
[Fullscreen open in new](#)

Using height to make a grid:

```
import streamlit as st

row1 = st.columns(3)
row2 = st.columns(3)

for col in row1 + row2:
    tile = col.container(height=120)
    tile.title(":balloon:")
```



[Built with Streamlit 📌](#)
[Fullscreen open in new](#)

Using height to create a scrolling container for long content:

```
import streamlit as st

long_text = "Lorem ipsum. " * 1000
```

```
with st.container(height=300):  
    st.markdown(long_text)
```

[Built with Streamlit](#) 

[Fullscreen open in new](#)

[←Previous: st.columns](#)[Next: st.dialog→](#)
forum

Still have questions?

Our [forums](#) are full of helpful information and Streamlit experts.

[Home](#)[Contact Us](#)[Community](#)



© 2025 Snowflake Inc. [Cookie policy](#)

[forum](#) [Ask AI](#)