

Programmeringsmiljø

Jupyter, Kaggle og Colab

KRISTIAN BOTNEN, 2025

Lokalt



Nettbasert



Free software, open standards, and web services for interactive computing
across all programming languages

```
(base) [kbo041@isfjell ~]$ conda activate jupyter
(jupyter) [kbo041@isfjell ~]$ conda install jupyter
Channels:
 - defaults
Platform: linux-64

(jupyter) [kbo041@isfjell ~]$ jupyter notebook
[I 2024-03-31 10:02:51.606 ServerApp] Package notebook took 0.0000s to import
[I 2024-03-31 10:02:51.642 ServerApp] Package jupyter_lsp took 0.0352s to import
[W 2024-03-31 10:02:51.642 ServerApp] A `_jupyter_server_extension_points` function was not found in jupyter_lsp. Instead, a `_jupyter_server_extension_paths` function was found and will be used for now. This function name will be deprecated in future releases of Jupyter Server.
[I 2024-03-31 10:02:51.658 ServerApp] Package jupyter_server_terminals took 0.0152s to import
[I 2024-03-31 10:02:51.659 ServerApp] Package jupyterlab took 0.0000s to import
[I 2024-03-31 10:02:51.738 ServerApp] Package notebook_shim took 0.0000s to import
[W 2024-03-31 10:02:51.738 ServerApp] A `_jupyter_server_extension_points` function was not found in notebook_shim. Instead, a `_jupyter_server_extension_paths` function was found and will be used for now. This function name will be deprecated in future releases of Jupyter Server.
[I 2024-03-31 10:02:51.740 ServerApp] jupyter_lsp | extension was successfully linked.
[I 2024-03-31 10:02:51.747 ServerApp] jupyter_server_terminals | extension was successfully linked.
[I 2024-03-31 10:02:51.755 ServerApp] jupyterlab | extension was successfully linked.
[I 2024-03-31 10:02:51.766 ServerApp] notebook | extension was successfully linked.
[I 2024-03-31 10:02:51.770 ServerApp] Writing Jupyter server cookie secret to /home/kbo041/.local/share/jupyter/runtime/jupyter_cookie_secret
[I 2024-03-31 10:02:52.497 ServerApp] notebook_shim | extension was successfully linked.
[I 2024-03-31 10:02:52.539 ServerApp] notebook_shim | extension was successfully loaded.
[I 2024-03-31 10:02:52.542 ServerApp] jupyter_lsp | extension was successfully loaded.
[I 2024-03-31 10:02:52.544 ServerApp] jupyter_server_terminals | extension was successfully loaded.
[I 2024-03-31 10:02:52.547 LabApp] JupyterLab extension loaded from /home/kbo041/miniconda3/envs/jupyter/lib/python3.12/site-packages/jupyterlab
[I 2024-03-31 10:02:52.547 LabApp] JupyterLab application directory is /home/kbo041/miniconda3/envs/jupyter/share/jupyter/lab
[I 2024-03-31 10:02:52.549 LabApp] Extension Manager is 'pypi'.
[I 2024-03-31 10:02:52.552 ServerApp] jupyterlab | extension was successfully loaded.
[I 2024-03-31 10:02:52.557 ServerApp] notebook | extension was successfully loaded.
[I 2024-03-31 10:02:52.559 ServerApp] Serving notebooks from local directory: /home/kbo041
[I 2024-03-31 10:02:52.559 ServerApp] Jupyter Server 2.10.0 is running at:
[I 2024-03-31 10:02:52.559 ServerApp] http://localhost:8888/tree?token=09e97040e870c15636561e2905335ce2bdbf8d97ace8eebb
[I 2024-03-31 10:02:52.559 ServerApp] http://127.0.0.1:8888/tree?token=09e97040e870c15636561e2905335ce2bdbf8d97ace8eebb
[I 2024-03-31 10:02:52.559 ServerApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
[W 2024-03-31 10:02:52.567 ServerApp] No web browser found: Error('could not locate runnable browser').
[C 2024-03-31 10:02:52.568 ServerApp]
```

To access the server, open this file in a browser:

file:///home/kbo041/.local/share/jupyter/runtime/jpserver-16354-open.html

Or copy and paste one of these URLs:

http://localhost:8888/tree?token=09e97040e870c15636561e2905335ce2bdbf8d97ace8eebb

http://127.0.0.1:8888/tree?token=09e97040e870c15636561e2905335ce2bdbf8d97ace8eebb

```
[I 2024-03-31 10:02:52.599 ServerApp] Skipped non-installed server(s): bash-language-server, dockerfile-language-server-nodejs, javascript-typescript-langserver, jedi-language-server, julia-language-server, pyright, python-language-server, python-lsp-server, r-languageserver, sql-language-server, texlab, typescript-language-server, unified-language-server, vscode-css-languageserver-bin, vscode-html-languageserver-bin, vscode-json-languageserver-bin, yaml-language-server
```


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Welcome To Colaboratory

File Edit View Insert Runtime Tools Help

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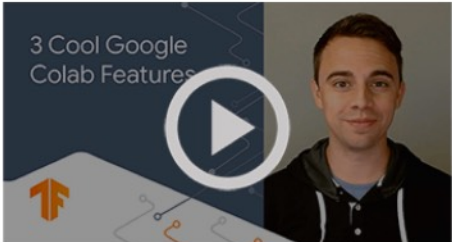
+ Section

Welcome to Colab!

(New) Try the Gemini API

- [Generate a Gemini API key](#)
- [Talk to Gemini with the Speech-to-Text API](#)
- [Gemini API: Quickstart with Python](#)
- [Gemini API code sample](#)
- [Compare Gemini with ChatGPT](#)
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If you're already familiar with Colab, check out this video to learn about interactive tables, the executed code history view, and the command palette.



<https://colab.research.google.com/>

<https://www.kaggle.com/>

Kaggle

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