GUI Applications

JupyterHub, VS Code, RStudio via PowerIDE (links + brief description)

- JupyterHub, VS Code, and RStudio

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PowerPortal provides quick links to browser-based GUI applications running on the cluster. These applications run on **poweride.tau.ac.il** and are accessible without SSH or a VPN.

Available applications

Application	What it is
JupyterHub	Jupyter notebooks and JupyterLab. Supports Python, R, and other kernels available on the cluster.
VS Code	Visual Studio Code running in the browser, connected to the cluster filesystem. Full terminal access included.
RStudio	RStudio Server for interactive R development and data analysis.

Launching an application

1. Click **GUI Apps** in the navbar.
2. Select the application you want.
3. The application opens in a new browser tab.

You log in with the same TAU credentials you use for PowerPortal.

Important notes

- GUI applications run on a shared login node, not on a dedicated compute node. They are intended for interactive development and light work — not for heavy computation or long-running jobs. For intensive workloads, submit a batch job through PowerPortal instead.
- Sessions are not persistent across server restarts. Save your work frequently.

- Files are stored on the same NFS home directory as the rest of the cluster — anything you create or edit in a GUI app is immediately accessible from compute nodes and vice versa.

Further reading

For full documentation on poweride — including how to request a session, configure kernels, and use VS Code extensions — see the PowerIDE User Guide in the HPC documentation.