

COCALC ONPREM

Alternative to Overleaf and JupyterHub

onprem.cocalc.com



CoCalc OnPrem is an enterprise grade commercial alternative to Overleaf

- ✓ **Projects:** split your work across private workspaces and invite collaborators on a per project basis.
- ✓ **Full real-time collaboration:** edit the same files, see collaborators' cursors, chat with them.
- ✓ **PythonTeX/SageTeX/Knitr:** add R, Python or Sage code to generate parts of you document.
- ✓ **AI Assistant:** generate document templates and math formulas, fix LaTeX errors, ask for text improvements, and more.
- ✓ **TimeTravel:** our unique automatic version control and backup system complements Git and supports collaboration.

Powerful, customizable, and collaborative LaTeX editor

TeX Input
Syntax highlighting, forward sync to PDF, support for Knitr, PythonTeX, SageTeX,...

PDF Output
Updates quickly, inverse sync to source, view multiple parts at once,...

The screenshot displays the CoCalc OnPrem interface. On the left is a 'File Explorer' panel showing a project structure. The main area is divided into three sections: a 'TeX Input' editor with syntax highlighting and forward sync, a 'PDF Output' preview showing a 'Damped Harmonic Oscillator' document with a plot, and a 'Side Chat' window. At the bottom, there is a 'Linux Terminal' and an 'Errors and Warnings' panel.

File Explorer
Unfold "Explorer" to get an overview and access to all files in your project.

Linux Terminal
If you need full control, expand a Linux Terminal.

Support for Python, R, Git, and SageMath comes right out of the box.

Side Chat

Click on "Chat" to open a chat panel on the side.

Communicate with collaborators next to the document using @mentions.

You can also ask an AI LLM chatbot for help, fix bugs, rewrite a section, write TeX code,...



Documentation

Errors and Warnings

Build Control: logs, customizable build command,...

Key Features

- ✓ Work across customizable **projects**, individual workspaces.
- ✓ **Real-time collaboration** for all documents.
- ✓ **LaTeX Editor**, R/Quarto, Jupyter Notebooks, and Linux Terminal.
- ✓ Unified solution for **research, teaching, and publishing**.
- ✓ Deep integration with **AI tools (LLMs)**.

Easy Administration

- ✓ **Battle-tested** services for robustness.
- ✓ **Scalable architecture** for performance.
- ✓ Convenient and extensive **configuration**.
- ✓ Competent **technical support**.
- ✓ Also works inside a **secure VPN**.

Technical Specifications

- ✓ Runs on existing hardware in a **Kubernetes cluster**.
- ✓ Uses a **file-storage** solution and **PostgreSQL**.
- ✓ Inherits **security and scalability** from our SaaS platform (SOC 2).
- ✓ Supports the full data science and scientific **Python** stack.
- ✓ Makes **LaTeX, Python, R/Knitr/Quarto, SageMath**, and more available.

LATEX



OnPrem Homepage

CoCalc OnPrem combines the collaborative power of CoCalc with the **security and control** of on-premises deployment. Thus making it the ideal solution for organizations with specific **infrastructure requirements** or **data privacy** concerns. Contact help@cocalc.com to learn how to transform your organization's collaborative scientific computing capabilities.