

COCALC ONPREM

Alternative to Overleaf and JupyterHub

onprem.cocalc.com



CoCalc OnPrem is an enterprise grade commercial alternative to Overleaf

- ✓ 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.
- ✓ Extensive testing in our production environment, bugs are promptly fixed, and your questions are addressed.

Powerful, customizable, and collaborative LaTeX editor

TeX Input PDF Output
Syntax highlighting, forward sync to PDF, etc. Updates quickly, inverse sync to source, etc.

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, etc.



Documentation

Errors and Warnings

Build Control: logs, customizable build command, etc.

Key Features

- ✓ Real-time collaboration for all documents.
- ✓ LaTeX Editor, R/Quarto, Jupyter Notebooks, and Linux Terminal.
- ✓ Unified solution for research, teaching, and publishing.
- ✓ Ubiquitous integration with AI tools (LLMs).
- ✓ Scalable architecture for performance and reliability.

Benefits

- ✓ Leverage existing infrastructure investments.
- ✓ Access everything "in one place".
- ✓ Data sovereignty to follow compliance rules.
- ✓ Meet specific regulatory requirements.
- ✓ Keep everything isolated inside a VPN.



OnPrem Homepage

Technical Specifications

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

LATEX



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.