

# Software Overview: CryptPad on AWS

## Source code GitHub link:

<https://github.com/cryptpad/cryptpad>

## This is our configuration steps, GitHub link:

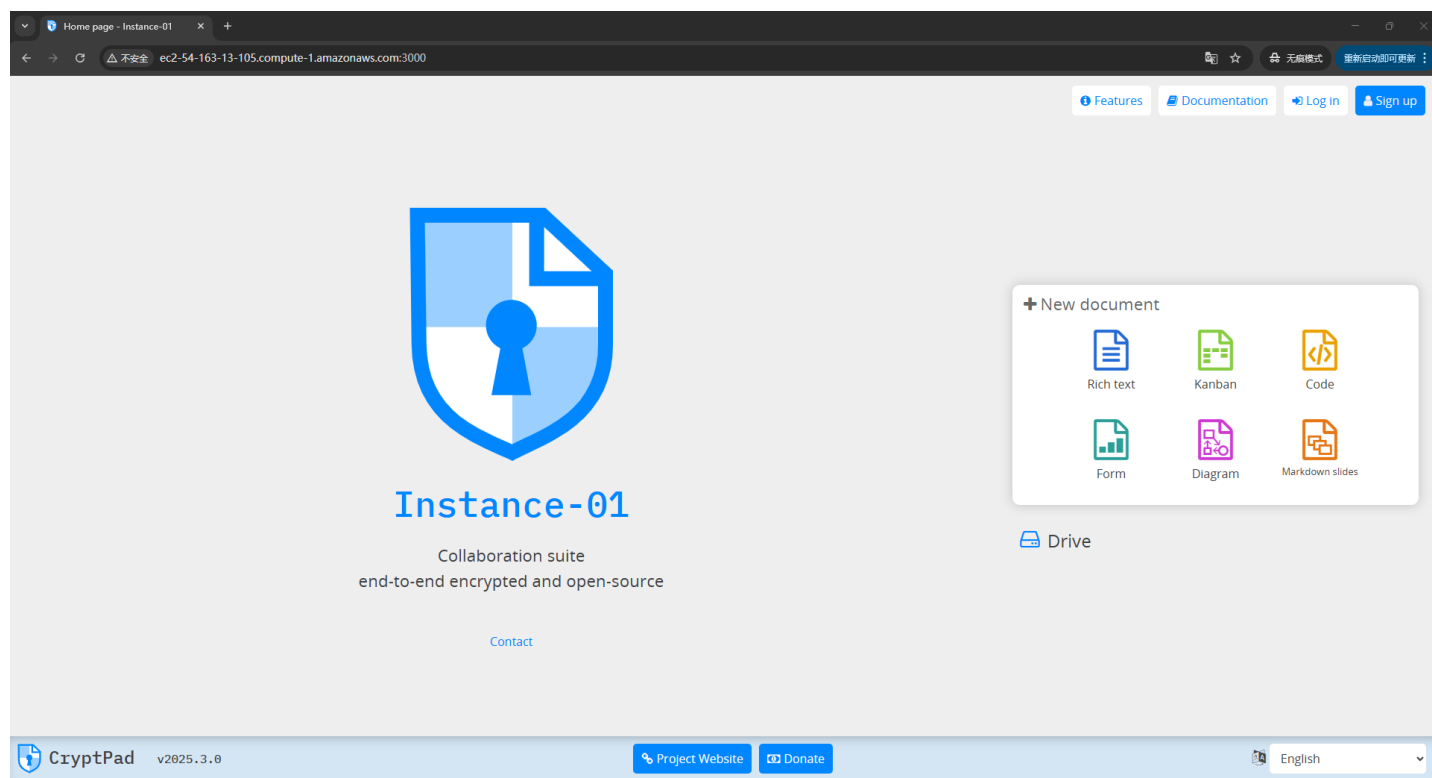
<https://github.com/zhangxijing97/cryptpad-ec2-deploy>

We have successfully deployed **CryptPad** on an AWS EC2 instance. CryptPad is an end-to-end encrypted and open-source collaboration suite designed for secure and privacy-respecting document editing.

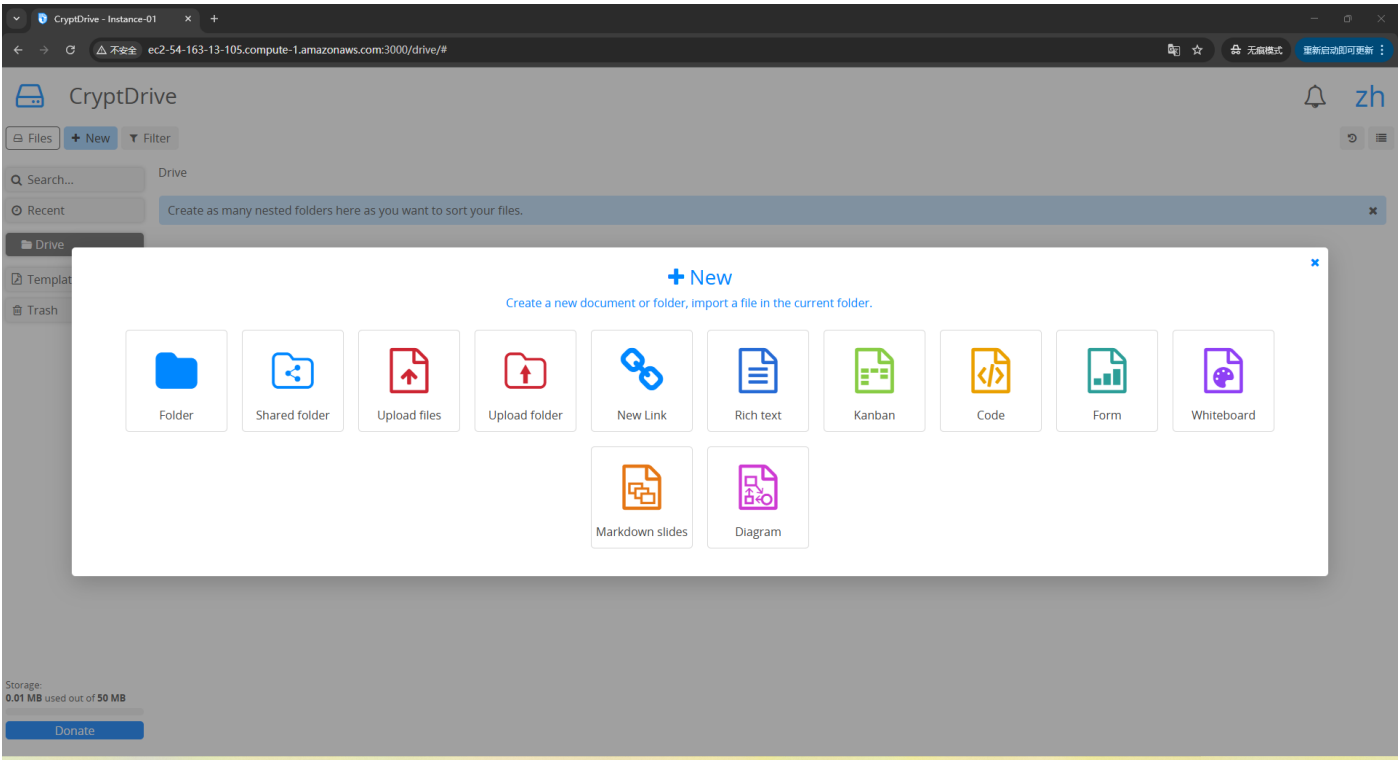
## Key Features:

- **Secure Collaboration:** All data is end-to-end encrypted, ensuring that only the intended collaborators can access document contents.
- **Multi-format Document Creation:** Users can create and collaborate on a wide range of document types:
  - **Rich text** – for collaborative writing and note-taking.
  - **Kanban** – for task management and project planning.
  - **Code** – supports collaborative code editing.
  - **Form** – for creating surveys or questionnaires.
  - **Diagram** – for drawing and visual planning.
  - **Markdown slides** – for preparing and presenting slides in markdown format.
- **User Management:** Includes options for user registration and login, with roles and permissions to control document access.
- **Open-source and Self-hosted:** The platform respects user privacy and can be fully controlled when hosted on your own infrastructure.

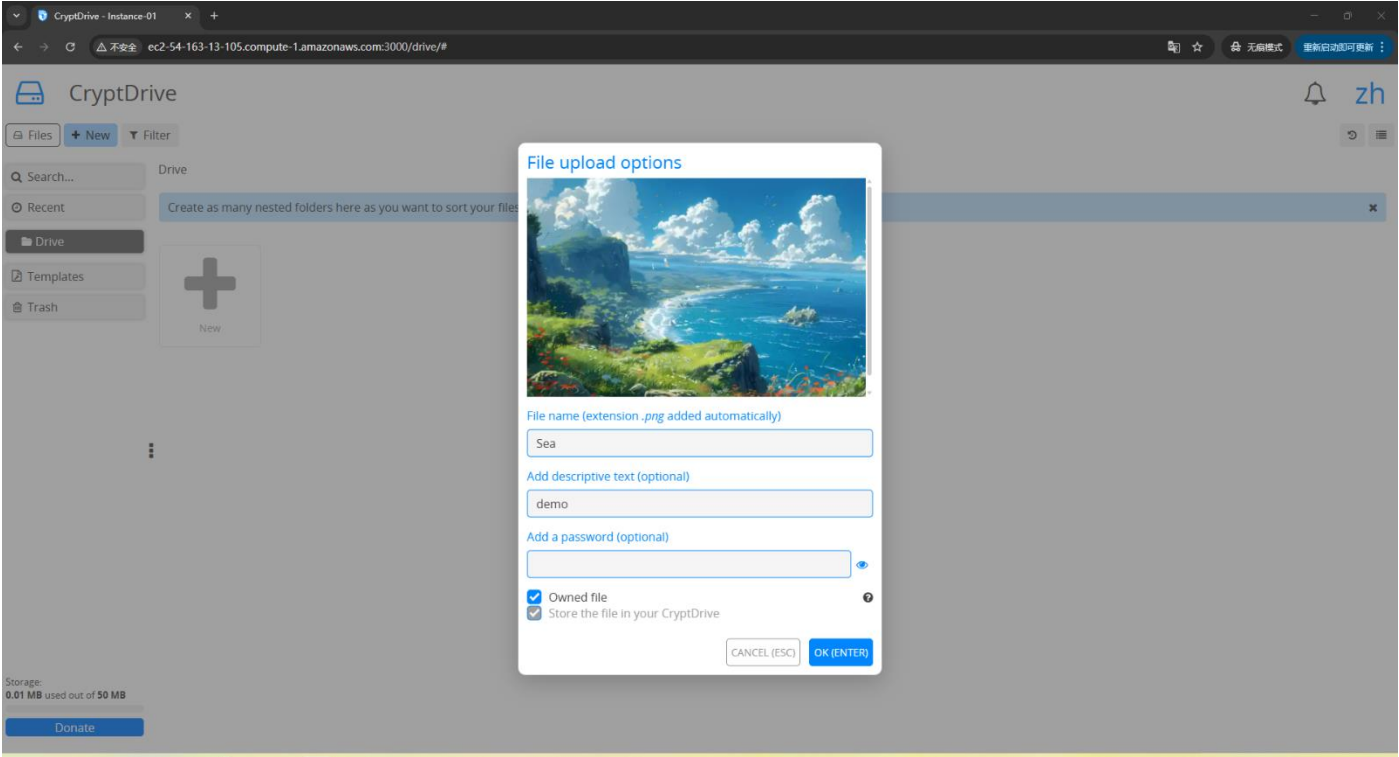
This instance (Instance-01) provides a lightweight and secure alternative to mainstream cloud collaboration tools, ideal for organizations prioritizing data privacy and digital sovereignty.



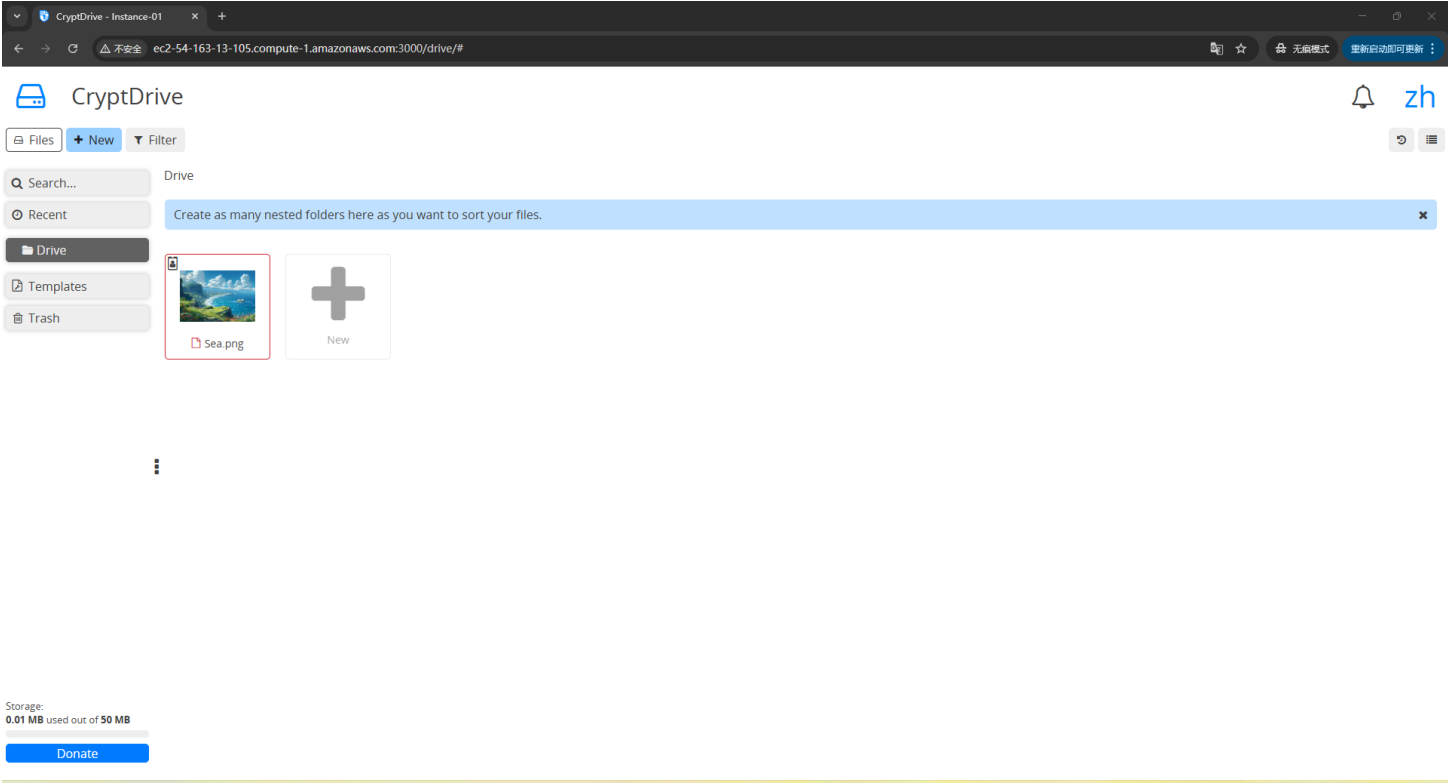
It allows users to securely create and manage various document types—such as rich text, code, kanban boards, forms, diagrams, and whiteboards—while also supporting file uploads, folder sharing, and real-time collaboration, all within a privacy-focused interface.



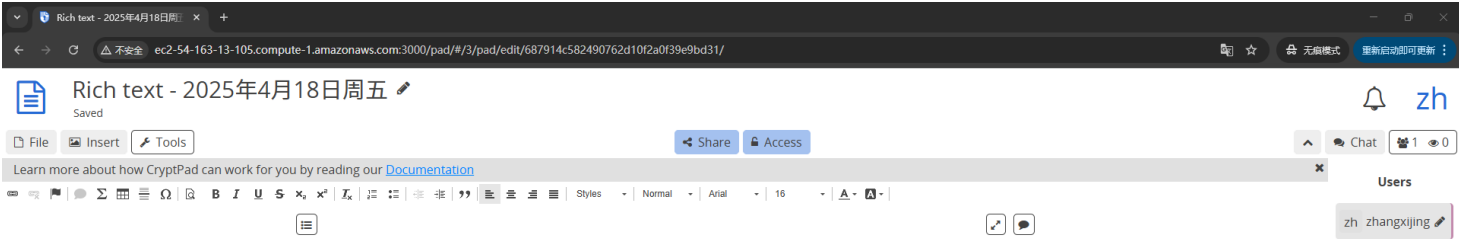
This screenshot shows CryptPad's secure file upload interface, where users can preview images, set custom file names, add optional descriptions or passwords, and choose whether to store the file in their personal CryptDrive.



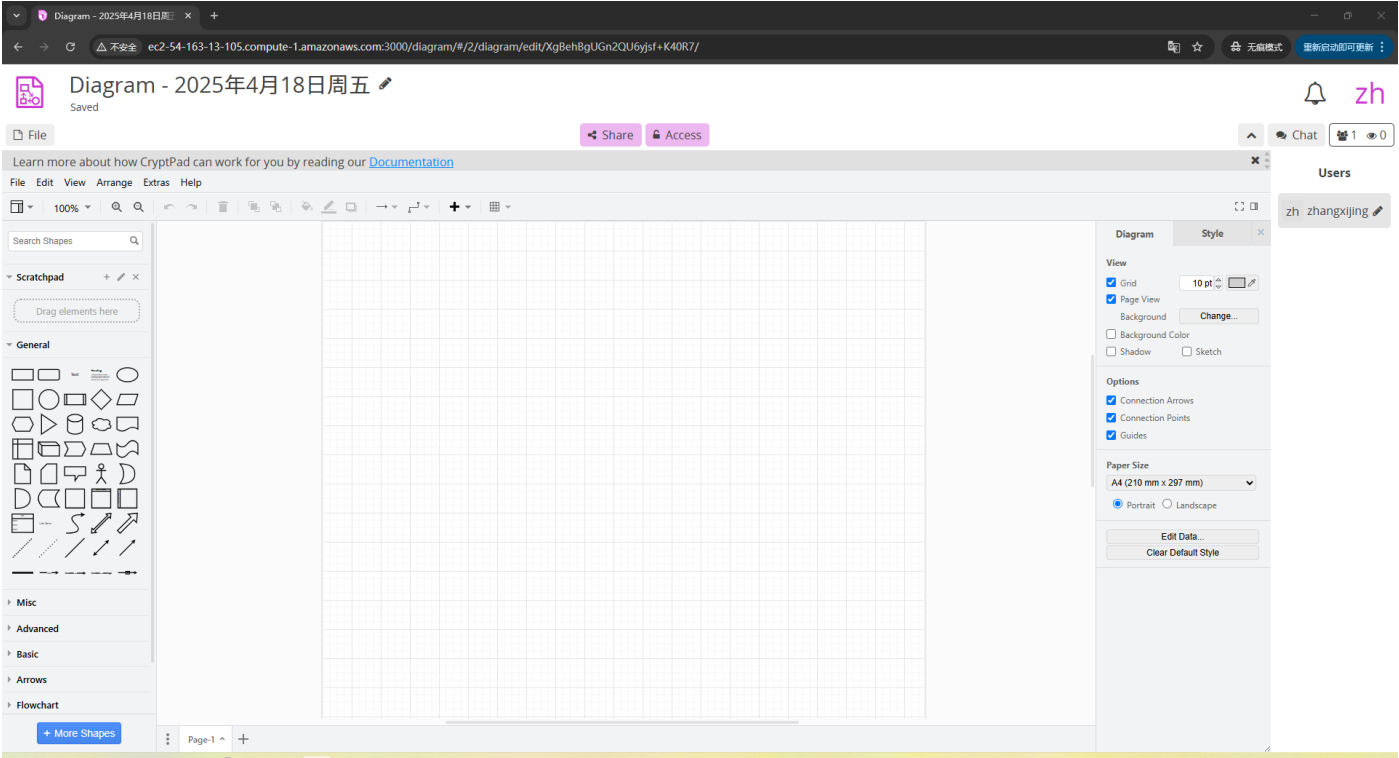
This page displays the **CryptDrive** interface, which serves as the user's private and encrypted storage space within CryptPad. Here, users can browse, manage, and organize their files and folders. Actions such as creating new documents, uploading files, and accessing recent items can be performed from the left-hand menu or the “+ New” button. The interface emphasizes simplicity while maintaining strong privacy controls.



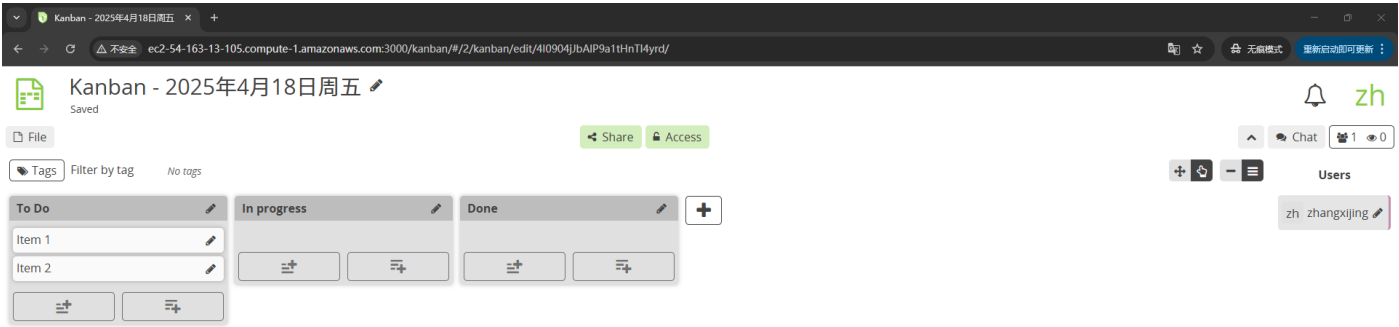
This screenshot shows the **Rich Text editor** in CryptPad, a collaborative writing space where multiple users can edit documents in real time. It includes standard formatting tools, sharing and access controls, and a user presence panel for live collaboration.



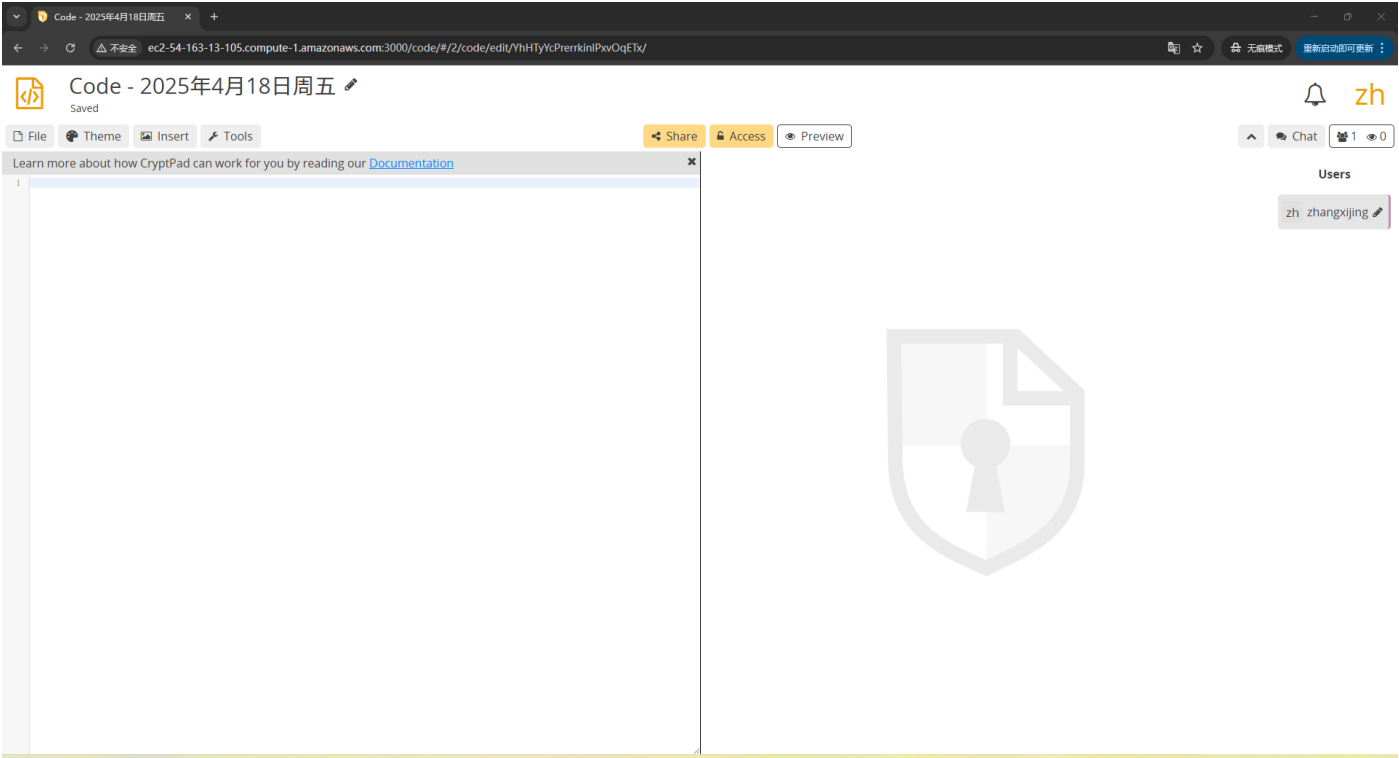
This screenshot shows the **Diagram editor** in CryptPad, a collaborative tool for creating flowcharts, diagrams, and visual plans. Users can drag and drop shapes, customize styles and layout options, and collaborate in real time within an end-to-end encrypted environment.



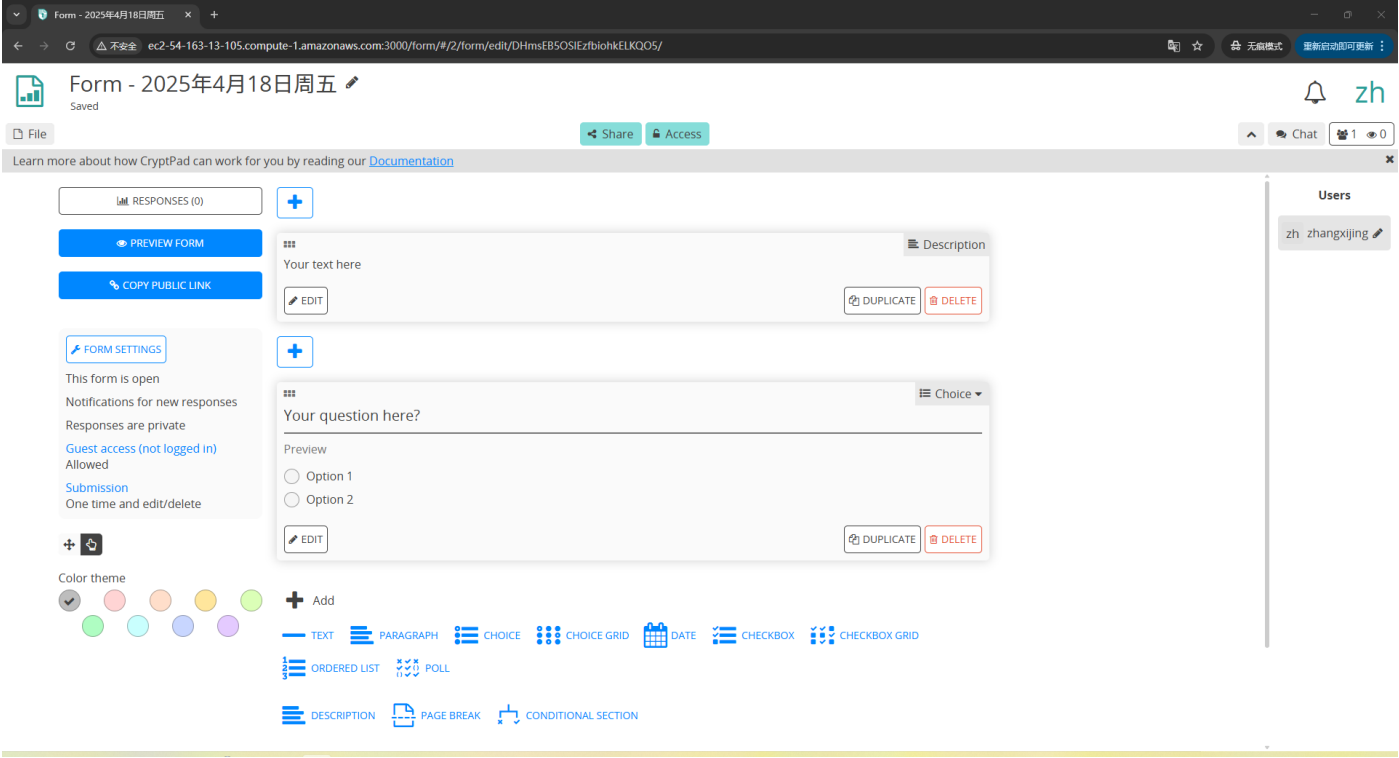
This screenshot shows the **Kanban board** in CryptPad, which helps users visually organize tasks using customizable columns such as "To Do," "In Progress," and "Done." It's ideal for project management and team workflows, with support for real-time collaboration and drag-and-drop functionality.



This screenshot shows the **Code editor** in CryptPad, which supports collaborative coding with syntax highlighting, theming options, and live preview. It's ideal for sharing and editing code securely with team members, all within an encrypted environment.



This screenshot shows the **Form editor** in CryptPad, which allows users to create customizable surveys or questionnaires with various input types such as text, choice fields, checkboxes, and more. It includes settings for response privacy, submission control, and public link sharing—all in a secure, encrypted environment.



This screenshot shows the **Markdown Slides editor** in CryptPad, which allows users to create presentation slides using markdown syntax. It supports live preview and presenting directly from the browser, offering a lightweight and secure way to build and share slide decks collaboratively.

