



ZeroTier Controller Client

Create your virtual network easily

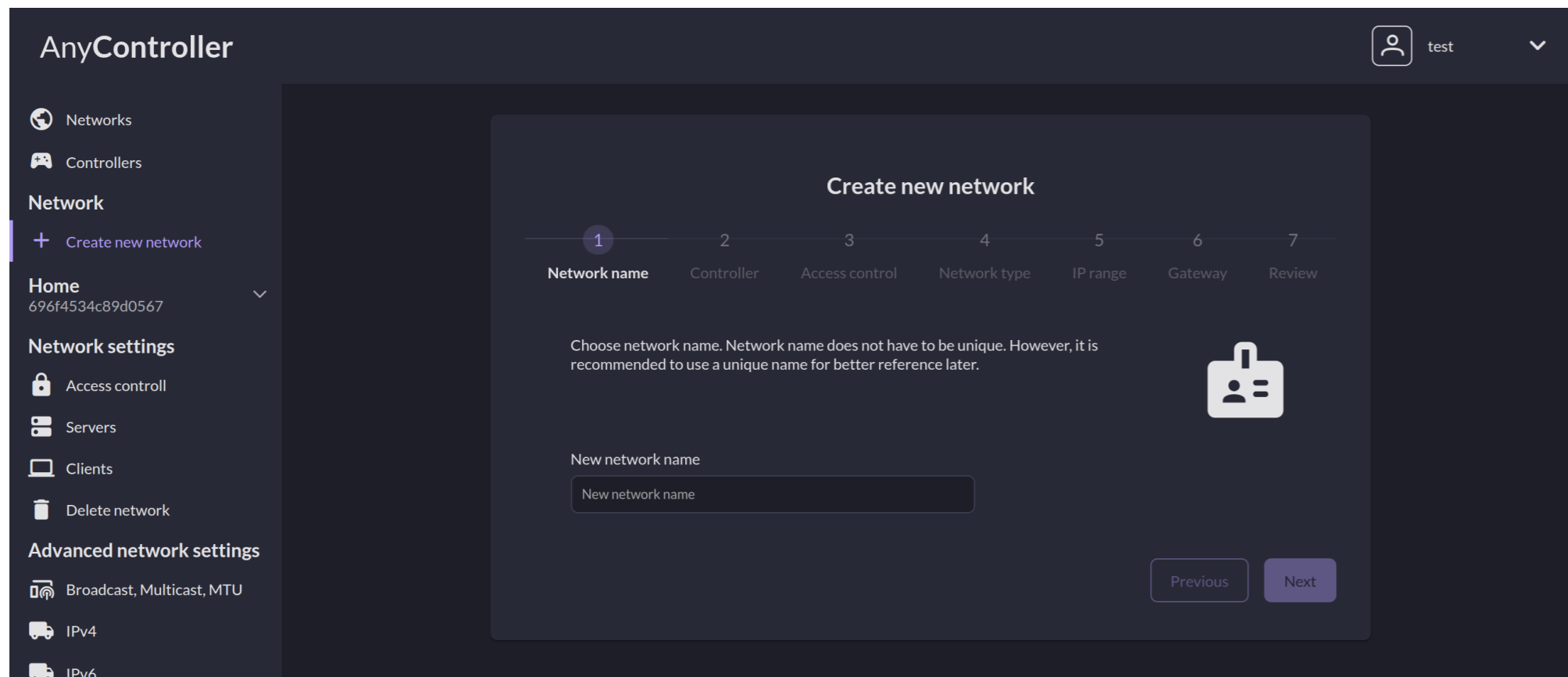


Figure 1: Wizard

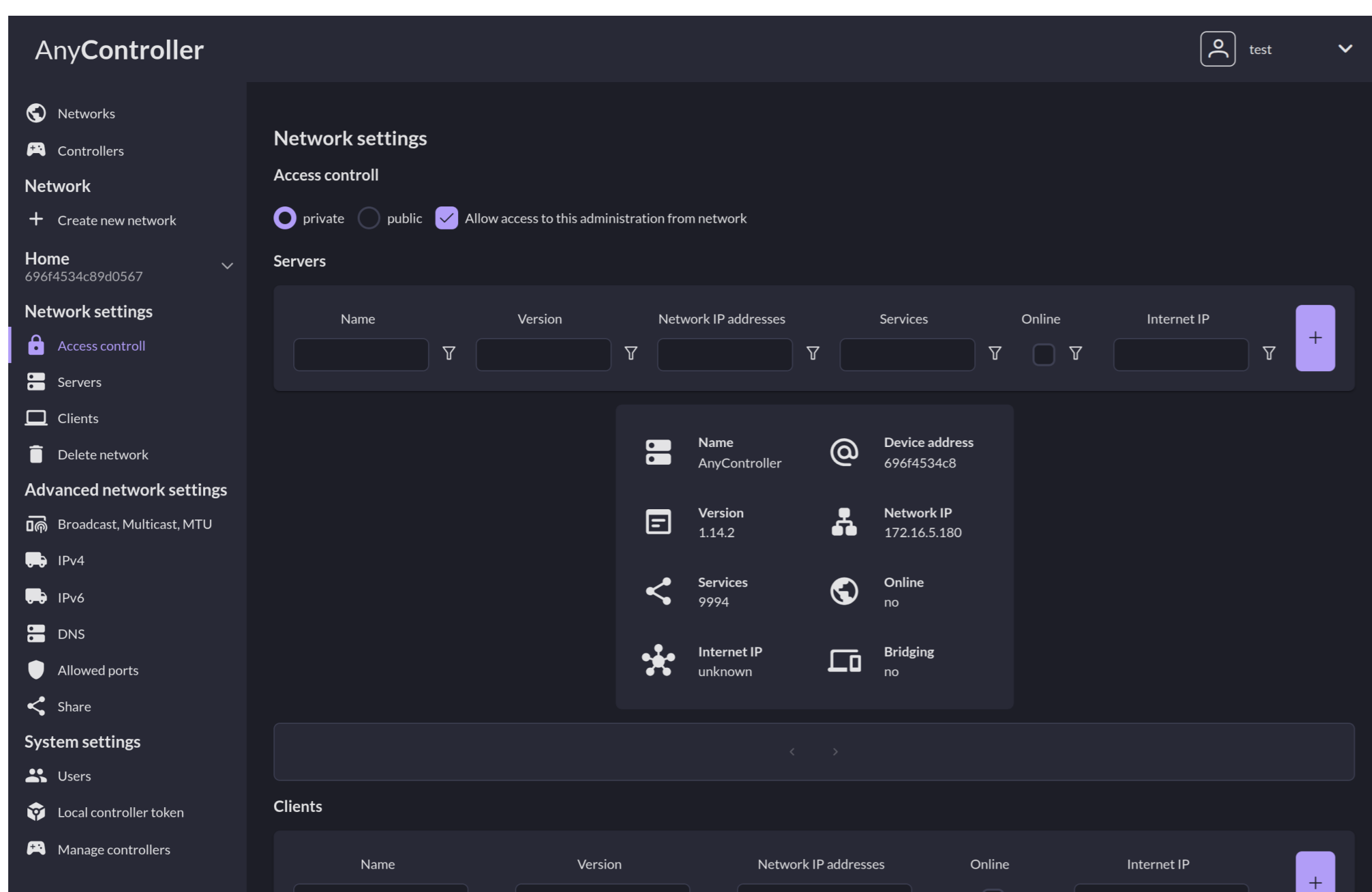


Figure 2: Network settings

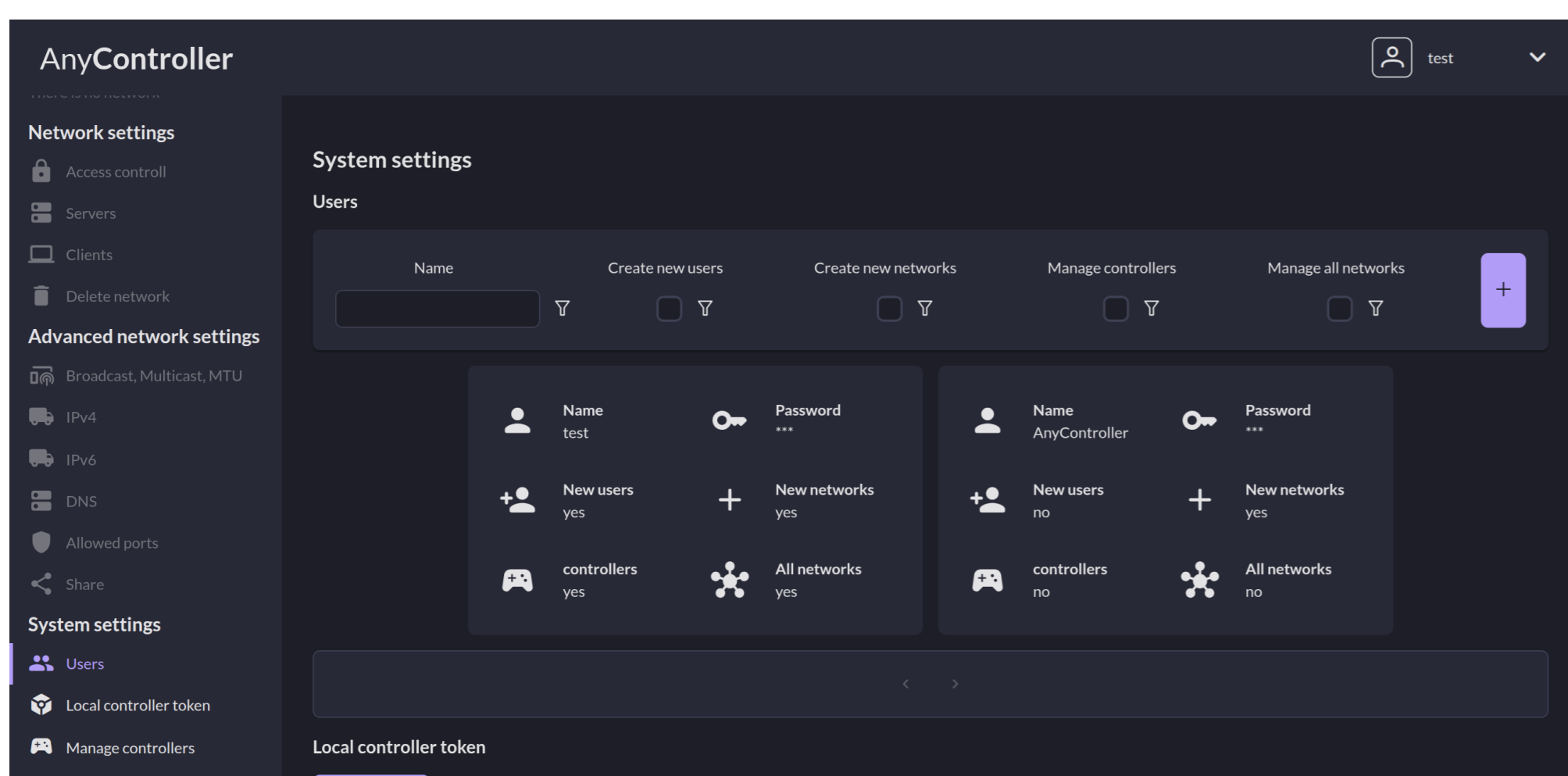


Figure 3: System settings

CI/CD

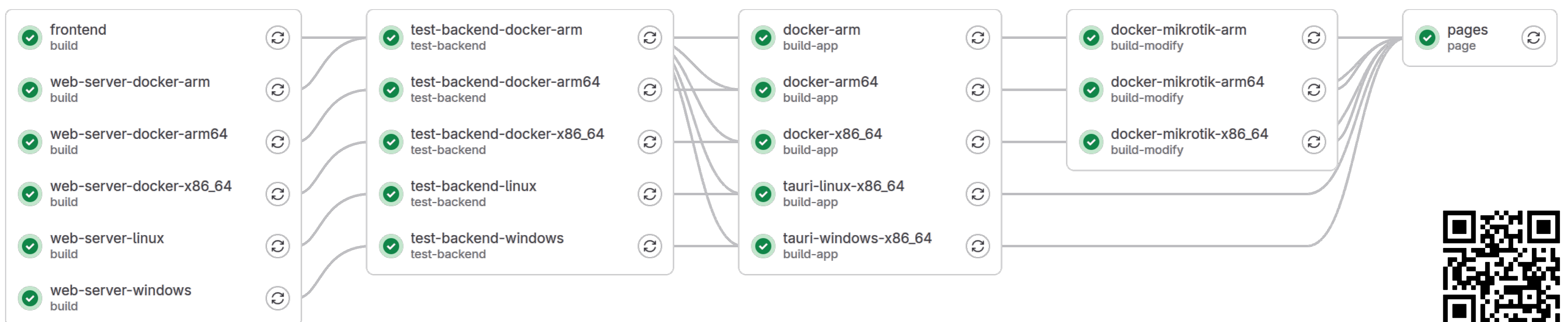


Figure 4: Gitlab CI/CD

Architecture

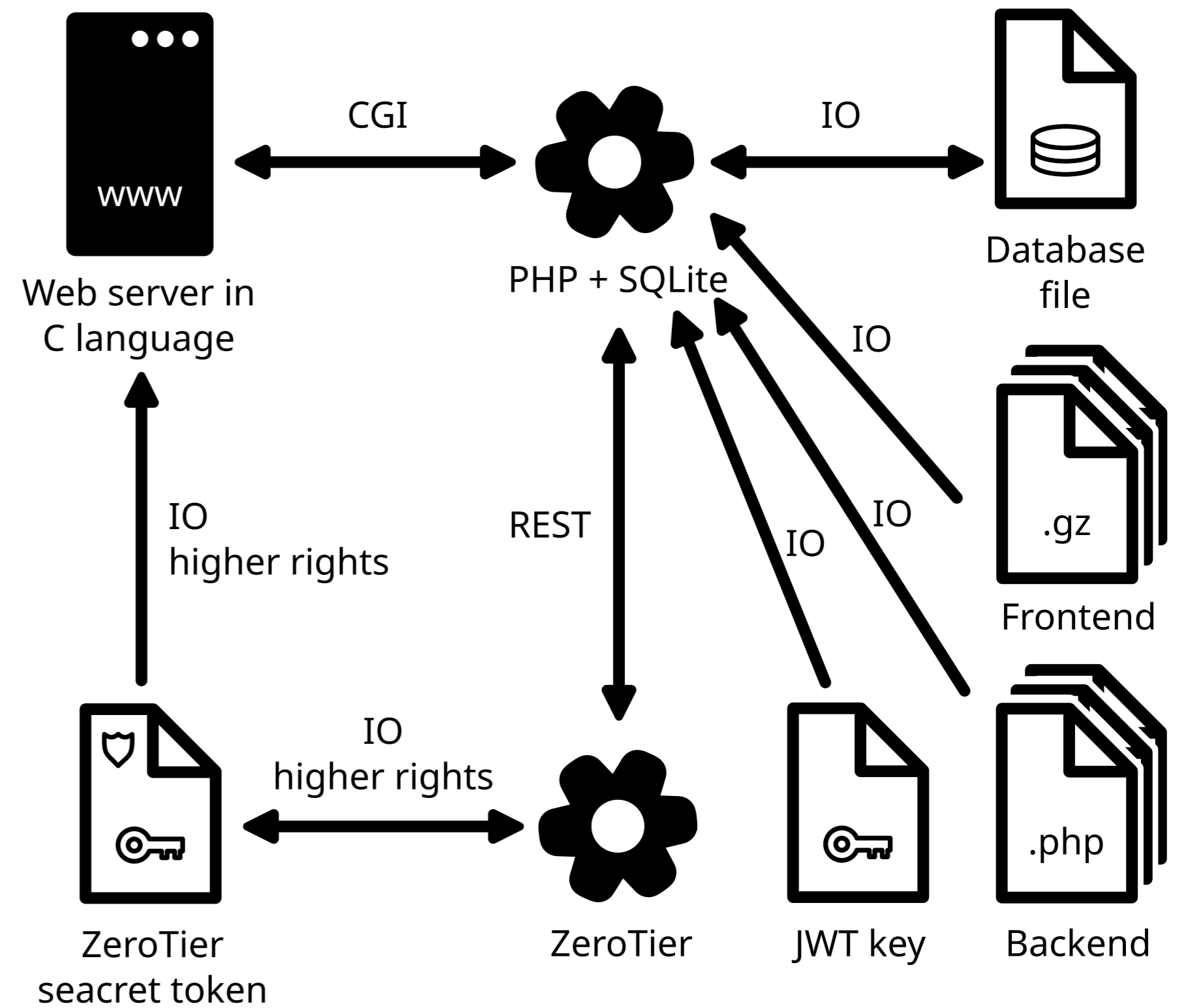
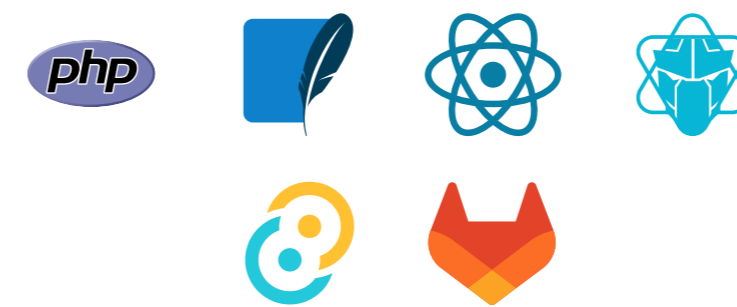


Figure 5: Backend architecture

This application tries to solve the problems encountered by the existing ztncui and ZeroUI solutions for self-hosting ZeroTier controller. The existing solutions were intended only for users familiar with computer networks. At the same time, the existing solutions did not consider running application on network elements and network attached storage devices. This makes the existing solutions resource-intensive for the devices they run on. Furthermore, the existing solutions do not allow managing multiple instances of ZeroTier controllers and do not allow multiple users with different privileges to use the application. In order to make the new application less demanding it uses a custom web server implementation along with a custom static compilation of PHP with SQLite. The new application implements features missing from existing solutions, such as a wizard for creating new virtual networks, the ability to communicate with multiple instances of ZeroTier controllers, and managing multiple users with different privileges. The new solution can also be installed as a desktop application compared to existing solutions.

Used technologies



Available for



Incredible small docker image size 3.75 MB for X86_64 with gzip compression