

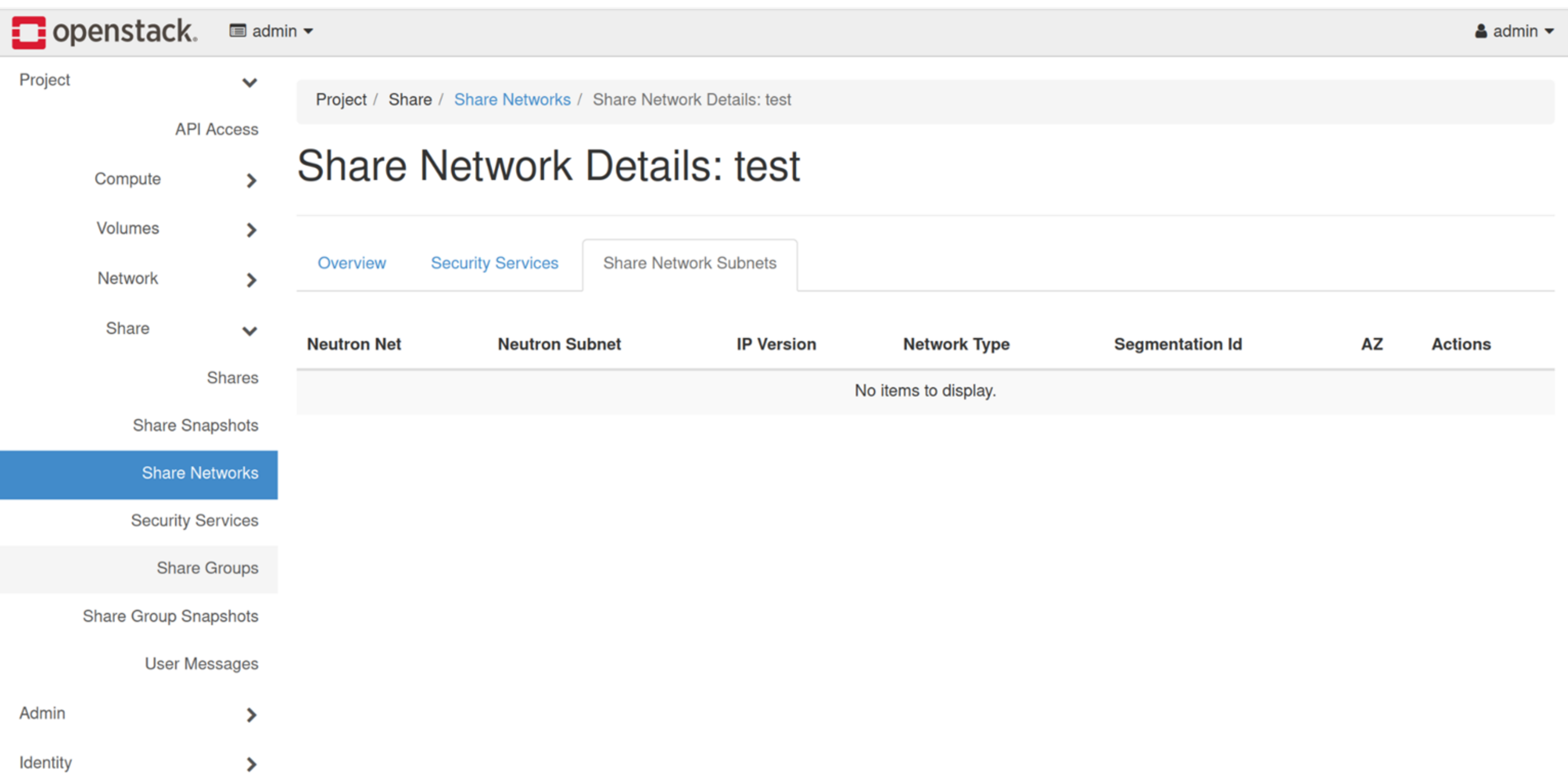
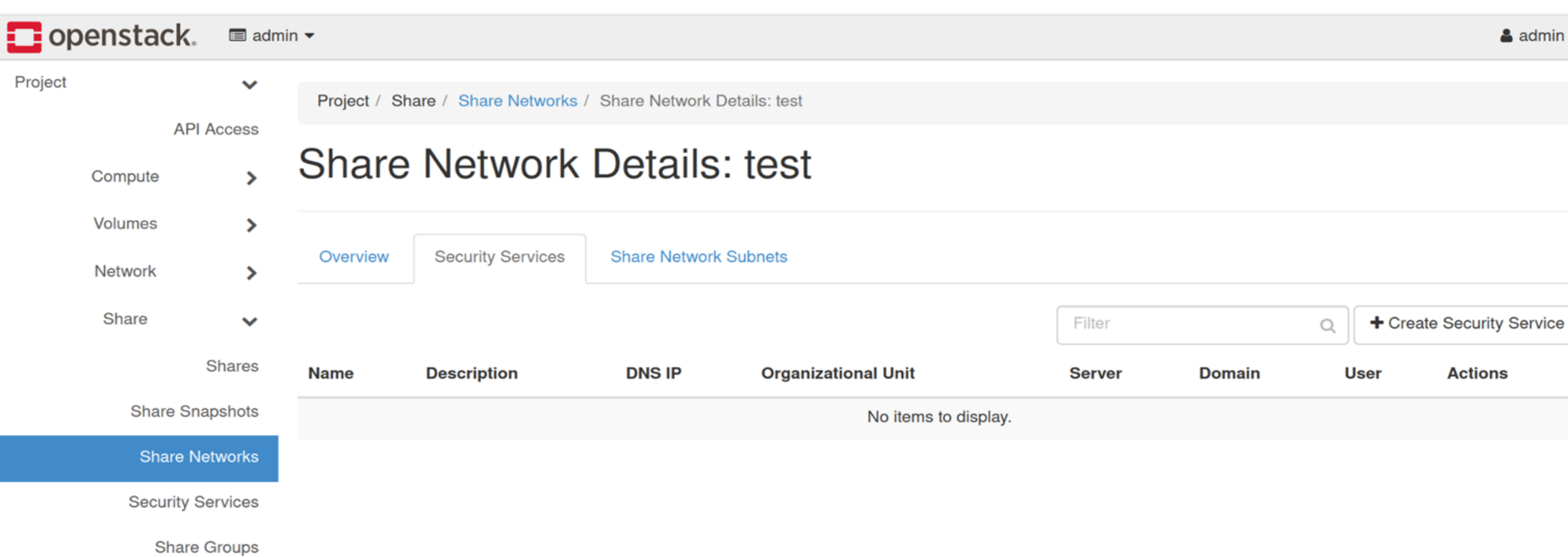
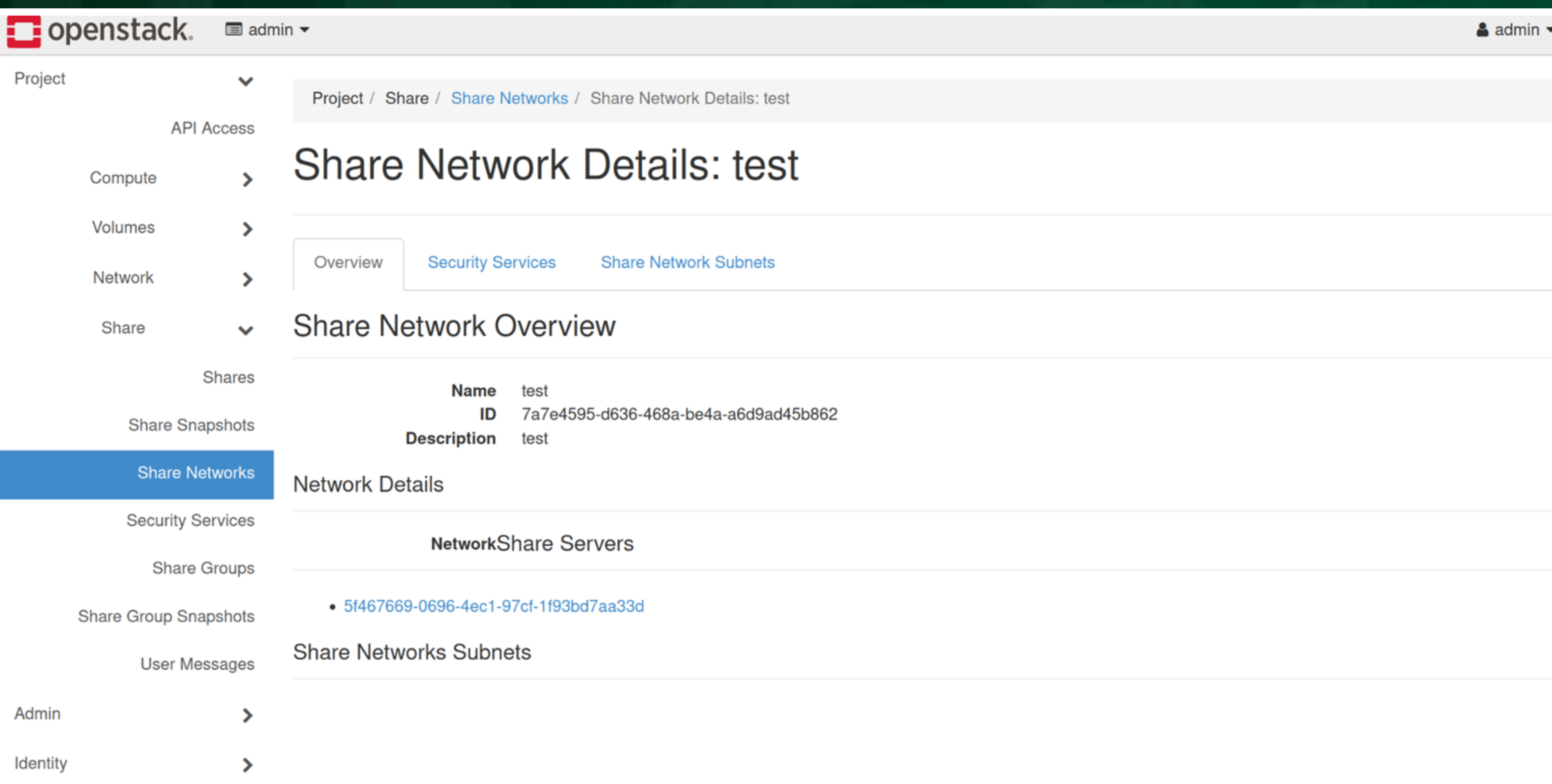
Design and Implement the GUI for Share Networks

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Sponsor: OpenStack Manila



Capstone 2022



What

- OpenStack provides open-source services for cloud infrastructure
- Manila is the shared file system service for OpenStack
- Manila-UI is a plugin for the front-end web application Horizon
- We created wireframes and implemented two panels in Manila-UI

Why

- Horizon is more user friendly than the command-line interface (CLI)
- Some new API features are only accessible through the CLI
- Incorporating new API functionality into Horizon through Manila-UI
- Designing panels with user experience in mind
- Being implemented for OpenStack's Zed release this fall

How

- We worked in Ubuntu VMs in the development environment DevStack
- Version control handled by git; code review handled by Gerrit
- Django framework + OpenStack's python-manilaclient SDK

