

# Using Barbican for secret storage

**Barbican** is OpenStack's secret storage facility. In Cleura Cloud, Barbican is supported for the following purposes:

- **Generic secret storage,**
- **encryption for persistent volumes,**
- **certificate storage for HTTPS load balancers.**

To manage secrets with Barbican, you will need the `openstack` command line interface (CLI), and its Barbican plugin. You can install them both with the following commands:

```
pip install python-openstackclient python-barbicanclient
```

On Debian/Ubuntu platforms, you may also install these utilities via their APT packages:

```
apt install python3-openstackclient python3-barbicanclient
```

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