

## **PYVI Highlights: OOI 2.5 Data Center Build & Migration**

- Completed equipment procurement.
- Installed and configured all network switches.
- Migrated to ML-powered nextgeneration firewalls.
- Copied all data to new storage cluster; configured to support full network segmentation.
- Copied raw data and VM backups to cloud storage cluster thus creating a geographically remote immutable data backup.

- Migrated all Cassandra clusters from CentOS 7 to AlmaLinux 9.
- Worked with DataStax to complete a Production Cassandra health check.
- Migrated VMs to VxRail compute cluster.
- Backed up VMs to a PowerProtect DataDomain appliance.
- Supported the migration of DataExplorer to a virtualized environment and MAB deployment.



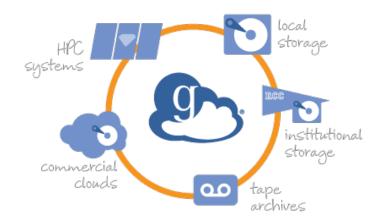


## **PYVI Q3 and Q4 Planned Activities**

- Trusted CI Research Infrastructure Security Community (RISC).
- Work with OmniSOC on an OOI cybersecurity program assessment.
- Implement LDAP (Lightweight Directory Access Protocol) with MFA for identity and access management to better secure system and application access.
- Support migration to new OOI document management system.
- Implement log monitoring & analysis system.
- Automate TACC data archiving process.
- Investigate upgrading to Cassandra version 5.x.
- Migrate CentOS7 servers to AlmaLinux9.
- Continue system maintenance and support.













Questions?

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