



Flex Subscription infrastructure

Keystone

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Flex Subscription infrastructure

This section describes the NetApp Keystone Flex Subscription (Flex Subscription) infrastructure architecture and management application for the NetApp and customer-operated environments.

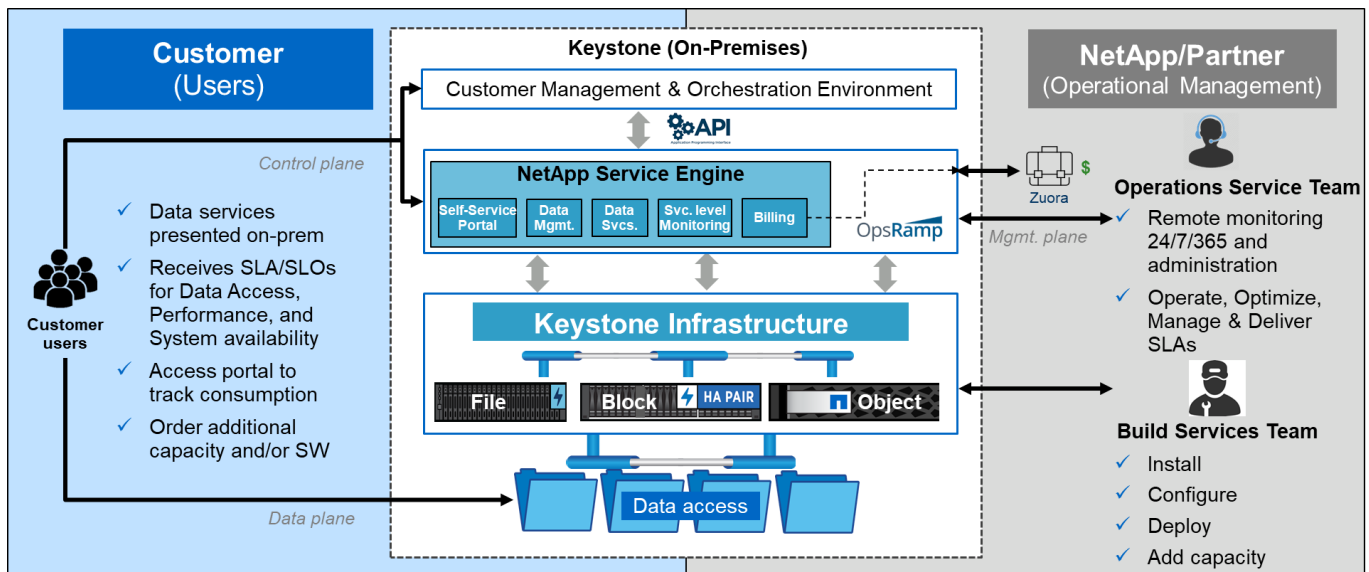
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The Flex Subscription infrastructure includes multiple components:

- User interface (web portal) of NetApp Service Engine.
- NetApp Service Engine APIs for integration.
- The Flex Subscription infrastructure that includes storage controllers
- Tools to manage and operate the service such as OpsRamp, Active IQ, and Active IQ Unified Manager.

For more information about NetApp Keystone integration with Active IQ, see [Active IQ Digital Advisor Documentation](#)

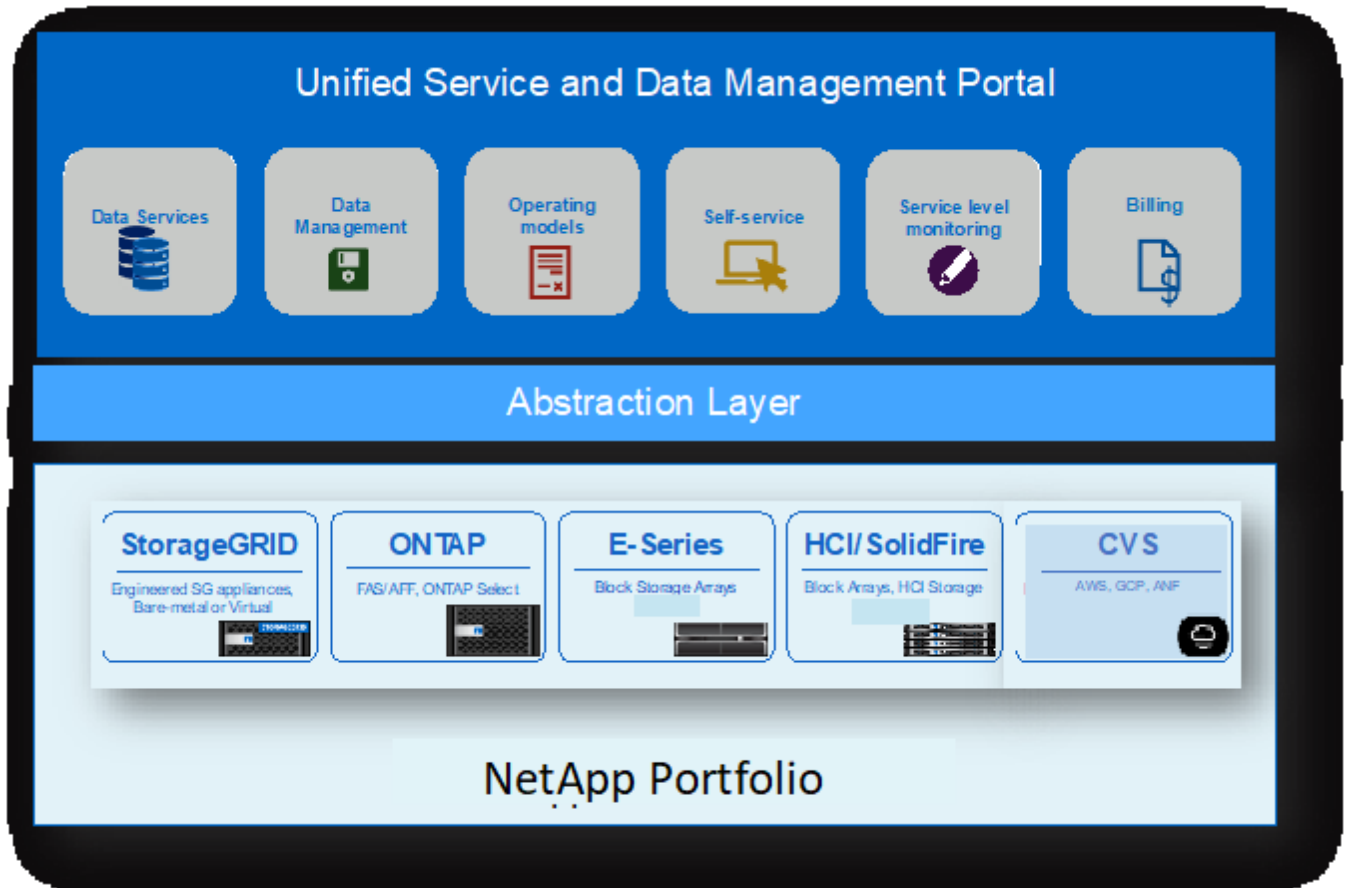


NetApp Service Engine

You can use the NetApp Service Engine web portal to manage and monitor your Flex Subscription service in a NetApp, partner, or customer-operated model. The portal consists of the following features:

- A graphical interface (NetApp Service Engine web interface) that supports monitoring and simple storage provisioning.

- A set of NetApp Service Engine REST APIs that allow more advanced setup and storage management actions.



The NetApp Service Engine portal is a single interface that allows customers to perform the following tasks:

- Subscription dashboard. View status of subscribed capacity and how much is being consumed.
- Storage provisioning. Workflows to create your NFS/CIFS file shares, FC/iSCSI disks, and S3 bucket.
- Data protection. Create snapshots and set backup policy or data replication on the provisioned file share or disk.
- Reports. View file shares and disks inventory and also trend on capacity usage against different service levels.
- Manage subscription. Order additional capacity to an existing subscription or a new service through the portal.
- Submit service requests or support issues and view their status

The complete functionality of NetApp Service Engine is available only in the NetApp-operated model. In a customer or partner-operated model, the NetApp Service Engine functionalities are limited to reporting and subscription management.

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