

# NetApp ONTAP Head Swap/Controller Upgrade Service Using ARL

Enable a quick, efficient, risk-free upgrade to your NetApp ONTAP environment

To keep pace with industry innovation while ensuring that infrastructure costs stay in line with budgets, companies are looking to upgrade their existing NetApp® ONTAP® controllers to improve storage performance, reduce operational support cost, and increase security and availability features. However, if not done correctly, the upgrade process can become a complex, time-consuming activity—the lack of sufficient resources and upgrade expertise can result in business disruption and significantly impact critical applications running on the infrastructure.

**Quickly and efficiently upgrade your environment**  
The NetApp ONTAP Head Swap/Controller Upgrade, using Aggregated Relocation (ARL), enables you to nondisruptively upgrade aging controllers in your NetApp ONTAP environment to quickly take advantage of newer ONTAP features. It provides the necessary expertise to optimize your existing NetApp environment without incurring the costs and time of an entire system refresh.

NetApp Professional Services experts use proven methodologies and best practices for getting your environment upgrades done quickly and cost effectively:

- **ARL enables non-disruptive controller** upgrades by migrating non-root aggregates from original to new nodes in the same cluster.
- **Customer scripting** greatly reduces time to complete controller upgrades by automatically moving LIFs, port configurations, etc.

## Key benefits

**Reduces cost, increases efficiency of upgrade**

- Built-in automation delivers efficient, risk-free, and cost-effective implementation.

**Speeds upgrade outcomes**

- Enables you to take advantage of performance enhancements and new features of ONTAP faster.

**Optimizes storage investments**

- Replacing heads rather than entire storage systems quickly optimizes existing storage investment.

- **ONTAP expertise** ensures deep knowledge for delivering controller upgrades that perform to best practices the first time, every time.
- **Conversion/upgrade plan** provides detailed documentation to speed the upgrade process and make that the process is understood.

## About NetApp Services

Whether you are planning your next-generation data center, need specialized know-how for a major storage deployment, or want to optimize the operational efficiency of your existing infrastructure, NetApp Services and NetApp certified partners can help.



### Learn more

Contact your NetApp representative or visit [www.netapp.com](http://www.netapp.com).