Hedvig

How Hedvig implements NDU

Agnostic and Rack-Aware clusters are upgraded one node at a time

> Sequential node upgrades with different levels of parallelism ensure minimal manual intervention and maximum transparency.

Datacenter-aware clusters are upgraded one data center at a time

> After every node upgrade data is automatically re-replicated to satisfy replication factor

A virtual IP (VIP) redirects network traffic automatically to the active proxy

> The passive storage proxy of the HA- failover pair is upgraded first, then the newly upgraded passive proxy is made active and the second (now passive) proxy is upgraded. This eliminates any interruption to reads or writes.

4 Reasons Why Non-Disruptive Upgrades are Important to Your Bottom Line

Most organizations have to do periodic maintenance, but if your company's systems have to be brought down to do so, then it's disruptive to customers and impacts your bottom line. Non-Disruptive Upgrades (NDU) ensure your organization's system is fully operational during an upgrade, and data availability and performance are not impacted.

4 ways Hedvig's NDU supports your business and improves your bottom line

1. Automation eliminates manual error

Manual processes are prone to errors, time consuming, and rely on individuals with specialist expertise. Automation eliminates these pain points.

2. Agile deployment brings new value-added features faster

Modern deployment processes are based on the Continuous Integration / Continuous Deployment (CI/CD) model, whereby new features and fixes are deployed more frequently than was the case with the legacy Waterfall method.

3. Zero disruption keeps admins productive

Throughout the entire process of upgrading storage nodes and proxies, you can still access the Hedvig UI and view the entire cluster. An NDU does not require the system to be rebooted when the upgrade process completes.

4. Distributed architecture enables hybrid cloud architectures

Modern IT is a marriage between private and public cloud infrastructures. These infrastructures have different upgrade requirements, governance, and process. NDU ensures you can upgrade private and public infrastructures as and when needed, making hybrid IT an operational reality.

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