STOCKHOLM LÄNS LANDSTING IT | PROBLEM SOLVED

Improve system stability, increase redundancy

Stockholm läns landsting IT chooses secure, stable, and scalable storage

Read about Stockholm läns landsting IT's success story – the county council for Greater Stockholm implemented a robust NetApp system in a MetroCluster configuration to improve end-user productivity and benefit from high redundancy.

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ATEA

HIGH REDUNDANCY

STORAGE EFFICIENCY
+20%
SAVINGS

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THE CUSTOMER PROFILE

Stockholm läns landsting IT, or the IT department to the Stockholm County Council, is a regional municipal body for the Greater Stockholm area, providing public healthcare and public transport services to Stockholm County residents. The healthcare department is one of Europe's largest healthcare providers, offering a full range of healthcare services to residents.

THE CHALLENGE

Non-stop operations and high redundancy are absolutely vital, given that the deployment is used across the major hospitals in Greater Stockholm. The new solution had to offer robust in-house scalability and high redundancy, with automatic failover, to meet the organization's strict SLAs.

To accommodate future data growth and achieve non-disruptive operations at the healthcare department, Stockholm läns landsting IT were looking for a new, future-proof platform supporting 40,000+ users. To avoid disconnects and long access times for end-users, support for many user sessions and open files was a key requirement as part of the county council's business objectives. In addition, there was a strong requirement for a solution that could connect to many different physical networks for security reasons.

THE SOLUTION

After evaluating many vendors in the industry, Stockholm läns landsting IT turned to NetApp and partner Atea to implement a NetApp FAS9000 HA system in a hybrid MetroCluster configuration containing both SSD drives and NL-SAS disks with Flash Pool for different storage tiers, both as mirrored and unmirrored volumes. Another vital part of the solution is Prolion's ClusterLion Tie-Breaker, for fully automated site switchover.

The NetApp system was shipped with a Premium software bundle offering software products such as SnapMirror, SnapRestore, and FlexClone. Other vital and highly appreciated used software from NetApp are OnCommand Unified Manager, and Workflow Automation for Stockholm läns landsting IT.

Atea is the market leader in IT infrastructure for businesses and public-sector organizations in Europe's Nordic and Baltic regions. Urban Järved, Sales Specialist for Datacenter, confirms: "We had put a lot of effort in finding the right solution for Stockholm läns landsting IT, and NetApp with ClusterLion turned out to be the right match. It was the only vendor who could fulfill the county council's needs."

THE BUSINESS BENEFITS

With the new deployment in-place, Stockholm läns landsting IT has been able to optimize on cost, reliability, and performance. The SSD drives in the NetApp FAS9000 Series have enabled the county council to accelerate the NL-SAS drives, reducing write latency.

NetApp FAS systems come with ONTAP 9 management software, which offers rich data efficiency features, including data deduplication, compression, compaction, and encryption. These features have enabled the county council to cut costs substantially.

BUSINESS BENEFITS

- Improved system stability for end-users
- High redundancy, robust data protection
- Space savings through data efficiency features
- Connectivity flexibility
- Highly automated environment
- Simplified management

NetApp®

Carl Christian Sigfridsson, Storage Designer for NAS at Stockholm läns landsting IT, confirms: "The efficiency features have turned out quite good so far. Using deduplication in particular, but also through compression, we have achieved an average saving of at least 20%."

THE FUTURE VISION

Now that the deployment is complete, Stockholm läns landsting IT is confident that it can meet its business objectives, and confidential data can be securely entrusted onto the storage platform.

In the future, the county council is looking to reap the benefits of NetApp OnCommand Unified Manager and Workflow Automation to further optimize its operations, run analytics, and gain deeper insight in the storage health.

SOLUTION COMPONENTS

NETAPP PRODUCTS

NetApp FAS 9000 Series

ONTAP 9 management software

NetApp Fabric MetroCluster

NetApp OnCommand Unified Manager

NetApp Workflow Automation

NetApp Harvest (Graphana)

NetApp SnapDiff

ENVIRONMENT

Prolion's ClusterLion Tie-Breaker solution

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