

## The Swedish National Debt Office reduced backup and restore time from hours to minutes with Proact

*Anders Björnemalm, Swedish National Debt Office*



The Swedish National Debt Office is the central government financial manager and plays an important role within the Swedish economy. Every year the Debt Office process over 4600 billion SEK in their systems. To ensure accessibility, performance and security of critical applications and data, Proact was given the task to develop the storage and backup environment.

The Debt Office provides banking services for the central government, raise loans and manage central government debt and also issue state guarantees and loans. The overall objective of the Debt Office is to minimize cost of central government financial management without taking excessive risk, and at the same time, ensure that taxpayers' money is used as efficiently as possible.



The cooperation between Proact and the Debt Office began in 2008 when the Debt Office identified a need to replace the outdated storage environment and Proact then implemented the first NetApp storage environment. Since then the cooperation has developed. The Debt Office generates around 13 TB of data in their systems, with an annual data growth of approximately 20 percent. To keep pace with the growing amount of data, the Debt Office and Proact initiated a new project in mid 2011 to further develop and secure the data storage environment and backup capacity.

The storage and backup environment is a key component of our operation and data loss is not an alternative. We have a zero downtime ambition and with our upgraded storage and backup solution we have taken data security to a new level, says Anders Björnemalm, Head of IT, The National Debt Office

The Debt Office identified a need for additional storage capacity, increased data security and accessibility and also reduced backup and restoration times. To meet this challenge, Proact presented an upgraded NetApp solution for the existing storage cluster to add additional redundancy and capacity in the backup infrastructure.

- With full redundancy in the storage and backup environment, the Debt Office has more or less eliminated restoration time and to a very high extent secured all vital data. All Swede's can rest assured that it will always be business as usual at the Debt Office, says Johan Hammarström, Systems Engineer, Proact.

The solution from Proact also included Snapshot technology, enabling the Debt Office to conduct testing and evaluation in a safe and highly effective way, without disturbing the live production environment. The Snapshot technology also provides the Debt Office with a Disaster Recovery solu-

tion by storing “snapshots” of the systems at close intervals, reducing potential data loss to a minimum.



Anders Björnemalm

Proact has provided us with a great package. High accessibility, high performance and seamless integration into our existing environment. With the close cooperation with Proact we are able to focus on our core operations and how we can develop IT better to support the business side of our organization, says Anders Björnemalm.