

CASE STUDY

International Stock Exchange

One of the world's largest stock exchanges transitioned from an older data warehouse to one built on top of Impala and Hadoop. As part of this transition, the company needed to augment its infrastructure with a next-generation backup solution to ensure that the data supporting its core operations was instantly available.

Customer Requirements and Challenges

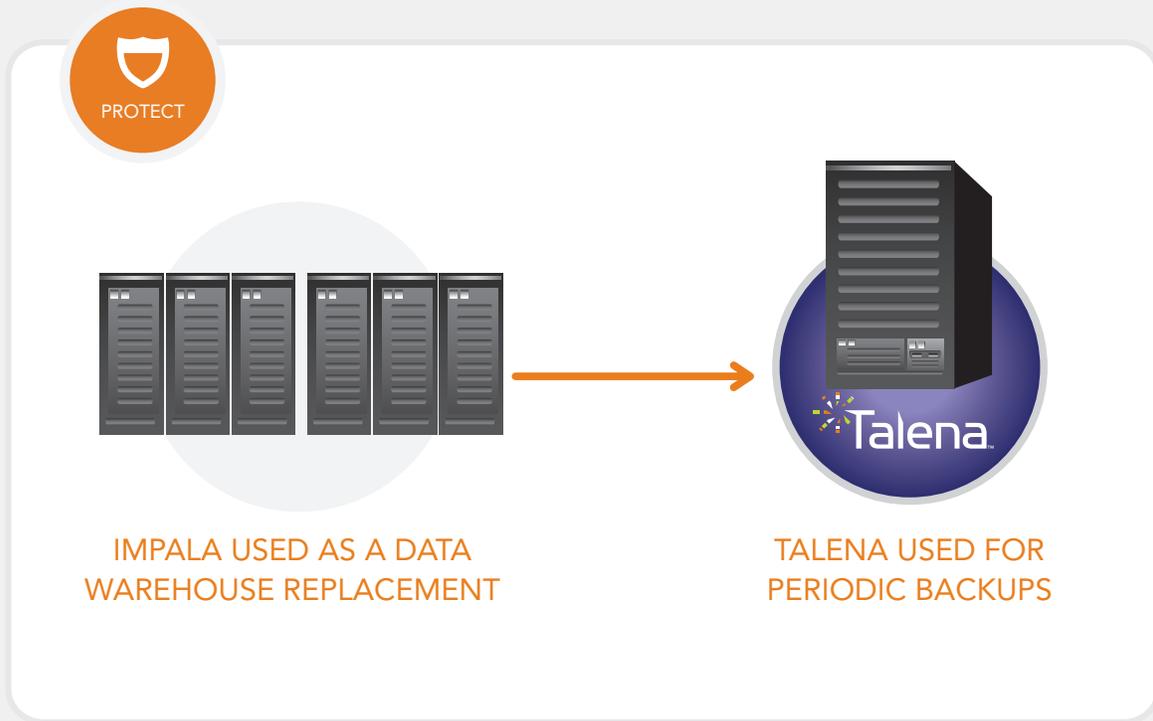
The stock exchange originally implemented a relational data warehouse that was serviced by a traditional backup solution. When the stock exchange upgraded its data warehouse infrastructure to Impala, it faced a new set of requirements.

- **Find a backup solution purpose-built for Impala.** The solution had to natively support Impala and scale linearly as the environment grew.
- **Ensure rapid data recovery.** Any backup solution had to provide the stock exchange with the ability to instantly recover data from user errors or application corruption at various levels of granularity
- **Manage its growth cost-effectively.** The backup product had to be a cost-effective alternative to the original solution

The stock exchange had a legacy backup solution that could not be repurposed for its new Hadoop infrastructure and was also very expensive to operate.

The Talena Solution

The combination of the Talena backup solution along with its new Impala data warehouse provides the stock exchange with a more scalable and cost-efficient architecture over its legacy predecessor, especially relevant given the data growth the stock exchange envisions.



KEY BENEFITS

- 1 Support internal and government compliance standards
- 2 Reduced backup storage footprint with de-duplication, compression and erasure coding
- 3 Instant point-in-time data recovery using Talena FastFind
- 4 Granular backup and restoration, providing flexibility from table down to partition level
- 5 Completely automated workflow, freeing up engineering resources

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