

CASE STUDY

Fortune 100 Technology Company

A Fortune 100 technology company has deployed a 500 TB, 200-node Hadoop cluster in production. This cluster supports an interactive application that consumes data from multiple sources. This data is then stored in Hive and over one million customers use the application and the underlying data.

Customer Requirements and Challenges

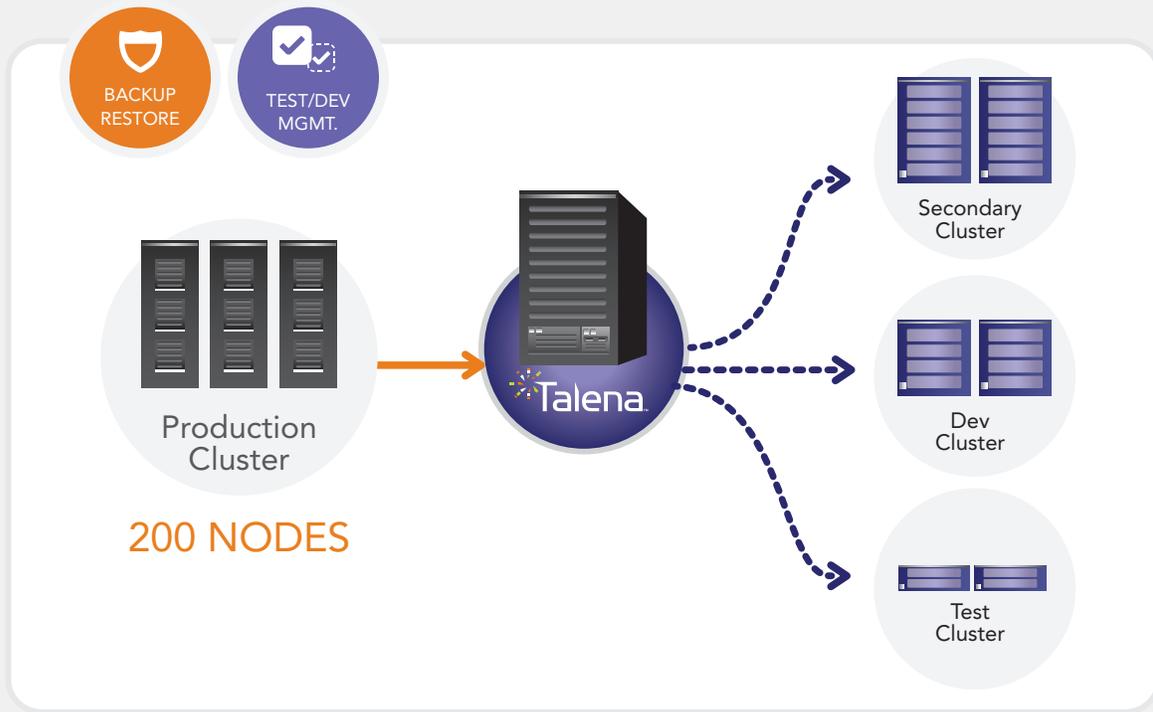
The company realized that a proactive data management strategy was necessary for the on-going success of the application. The data engineering team provided Talena with their key requirements:

- **Support rapid application updates.** Customers expect the application to stay current, driving the need to easily sample production data to test new application functionality
- **Optimize data availability.** The team wanted automated backups with rapid restoration capabilities in case of user errors or application corruption
- **Enforce data privacy.** PII and other confidential data had to be masked prior to moving to development and test environments

Prior to Talena, engineers wrote custom scripts to filter, mask and move data to sandbox clusters. While this method protected production data, it was time-consuming and failed to solve the overall data backup requirement.

The Talena Solution

With Talena, the company was able to automate the entire test/dev and backup process for its Hadoop cluster at a fraction of the cost of using the engineering resources to write and maintain custom scripts.



KEY BENEFITS

- 1 Lowering CapEx and OpEx costs via an 80% reduction in storage footprint
- 2 Freeing up valuable engineering resources by eliminating scripting
- 3 Minimizing compliance risk through masking of PII and other confidential data
- 4 Protecting valuable data from application corruption or user error
- 5 Reducing wait time by providing faster, self-service data access to developers and data scientists

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