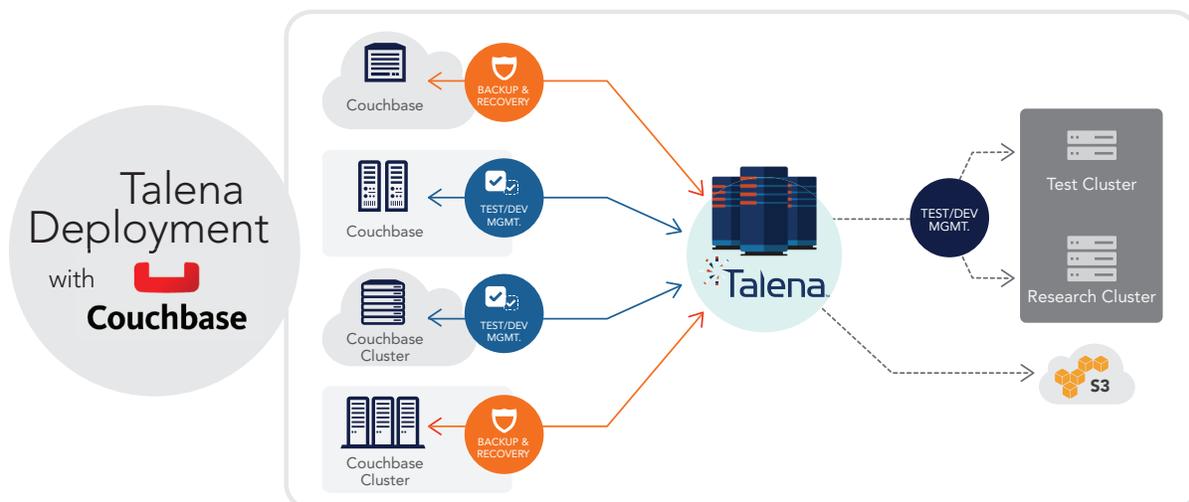# Talena Deployment With Couchbase

Couchbase is at the forefront of the NoSQL movement and is deployed widely in organizations seeking to participate in and profit from the Digital Economy. Companies in industries as varied from hospitality to financial services have deployed Couchbase as a highly scalable database platform to support applications that require high throughput, elastic scalability, high availability, and mobile support. These business-critical applications include profile management, the Internet of Everything, fraud detection and content management.

The growing popularity of Couchbase makes data protection and test/dev management of even greater importance, as "always-on" data is central to running the business. Companies often believe that having multiple, distributed copies will prevent data loss. However, application corruption and human errors make this strategy an ineffective one as dropped buckets can just propagate across replicas.

An enterprise data management solution for Couchbase must keep in mind the following requirements:

1. The solution must meet SLA requirements of the application which means that data recovery must be reliable, fast, granular, and minimize ad hoc scripting and manual interaction to ensure business goals are met

2. As a best practice, IT and DevOps teams should have backup copies on a different system from your production environment for better protection. In addition, the ability to implement storage optimization techniques such as content-aware de-duplication and compression is critical to saving significant OpEx costs

3. Modern applications are subject to rapid iteration as customer demands on them grow exponentially as they grow in popularity. Relying on synthetic data results in sub-optimal testing, highlighting the importance of test/dev management as well as the need for masking and sampling to protect PII data and minimize bandwidth costs.

The Talena solution solves these challenges and gives enterprises confidence in their Couchbase data management solution. Talena provides automatic, efficient, and frequent backups of Couchbase to commodity, direct-attached or cloud storage. Backups are stored in a de-duplicated and compressed format and are erasure coded to protect against hardware failures. Restores are as simple as running a Google-like search. Buckets and databases can be restored from the most current backup or from a previous point in time.

KEY BENEFITS

Granular Backup & Recovery allows backup & recovery of either the entire database or individual Couchbase buckets.

Rapid Recovery leverages Talena FastFindTM so enterprises can find the backed up objects and restore with lightning speed.

Enterprise-ready product including key security capabilities (Kerberos, LDAP integration, RBAC, encryption, masking), high availability with erasure coding, and call-home technologies

Storage Optimization is typically 5X or greater with compression, de-duplication, and erasure coding, saving significant money and resources on CapEx and OpEx.

Heterogeneous backup enables backup of multiple applications and databases using a single user interface.

Test/dev management enables rapid application iteration while ensuring that confidential PII data is protected.

Ability to deploy on various Cloud platforms, including AWS, Azure, and Google Cloud, and support multiple cloud storage options

Please contact us for more information at **info@talena-inc.com** or visit us at **www.talena-inc.com**.