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DEPLOYING A CONTAINER-NATIVE DATABASE IN OPENSIFT

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AGENDA

- + About NuoDB
- + Deploying Traditional Databases in Containers
- + Container-Native Database Deployment
- + Live Demo

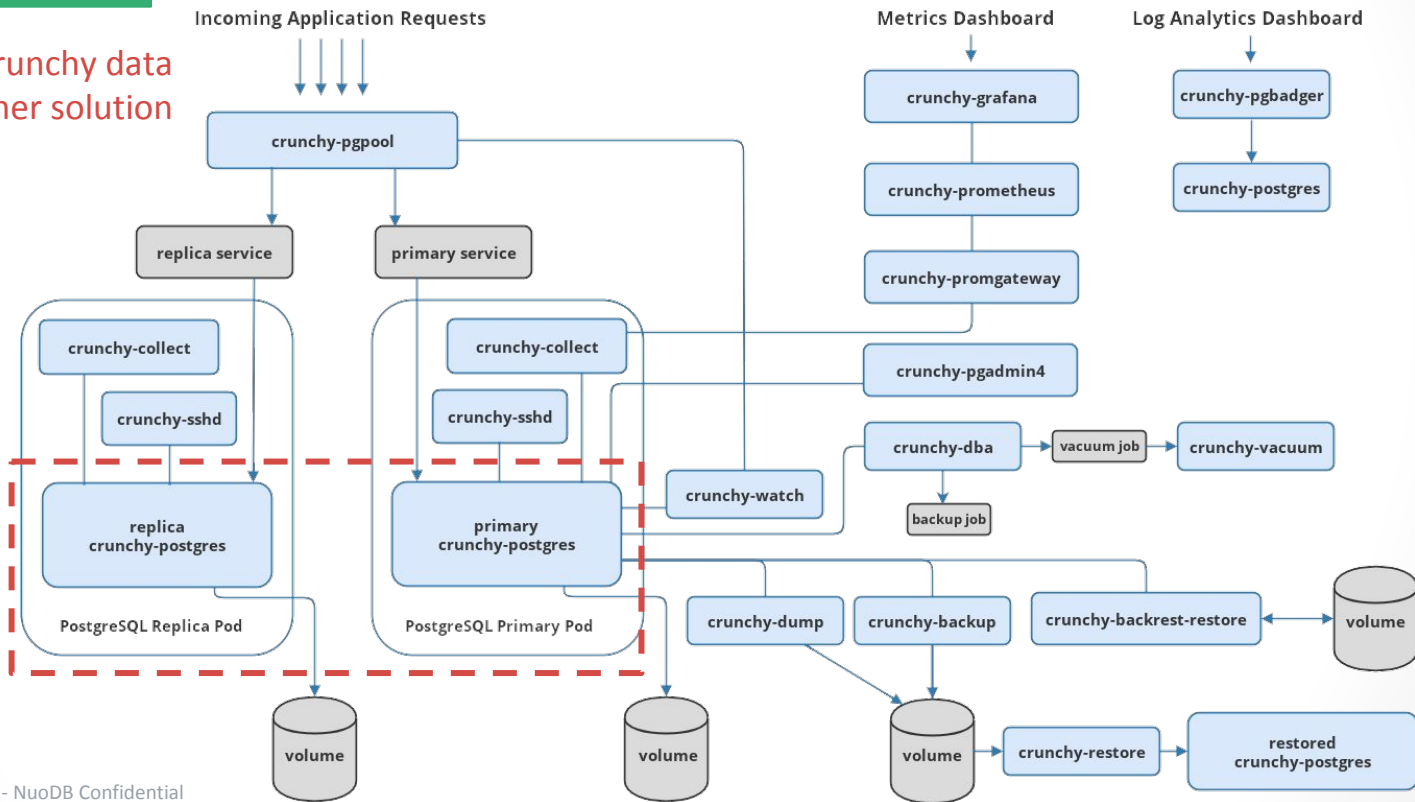
THE ELASTIC SQL DATABASE

NuoDB combines the **scale-out simplicity, elasticity,**
and **continuous availability** that cloud- and
container-based applications require with the **transactional**
consistency and **durability** that databases of record
demand.

TRADITIONAL DATABASES WERE NOT BUILT FOR CONTAINERS

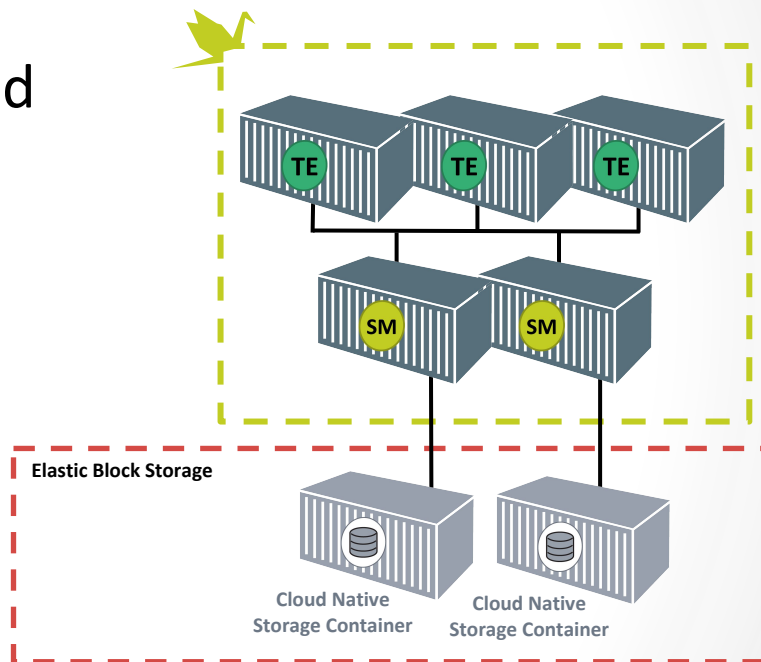
Postgres-based crunchy data container solution

Crunchy Postgres primary and replica databases



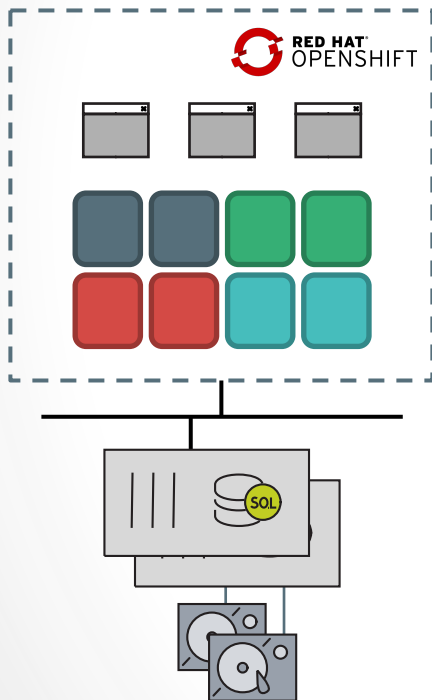
DISTRIBUTED DATABASE

- + NuoDB is an inherently distributed database
 - Distributed multi-process
 - Scale out
 - Single logical database
- + Built-in data replication
 - Automatic HA
 - Automatic DR
 - Fully Active-Active

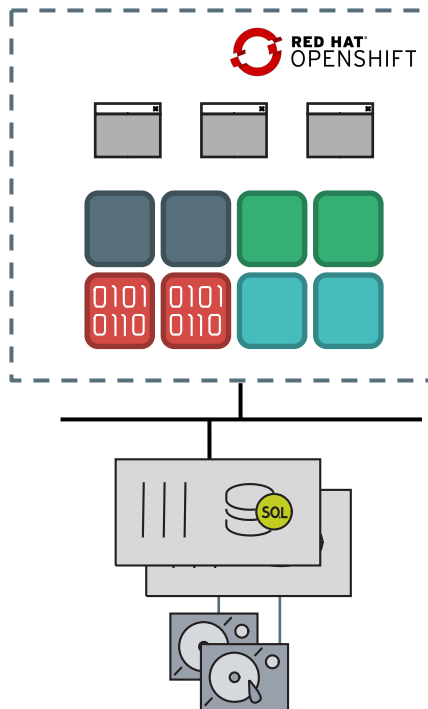


WHAT ABOUT THE DATABASE?

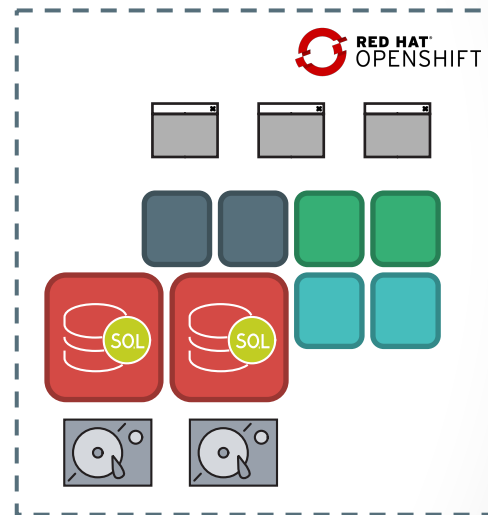
DB Outside OpenShift



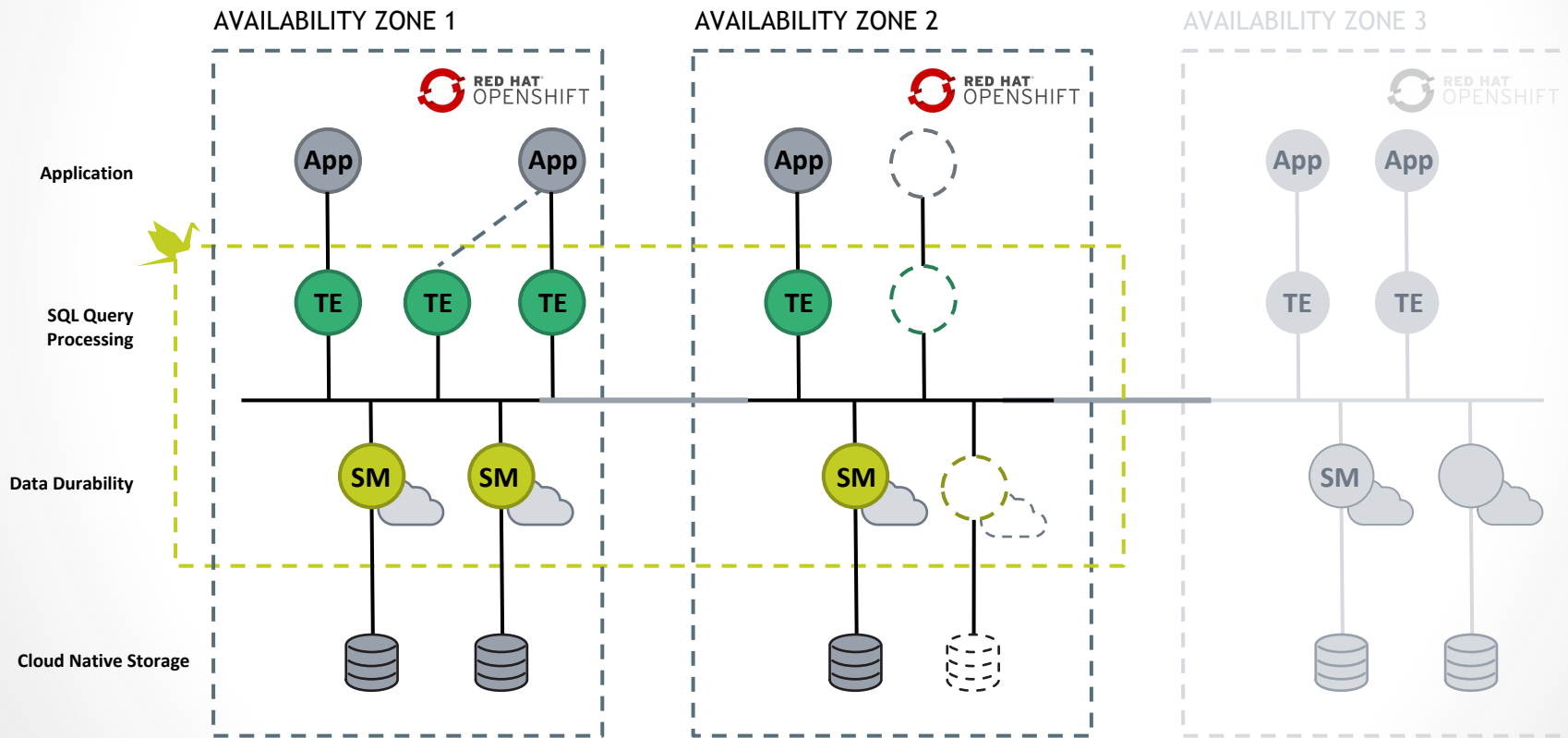
Data Cache + DB Outside OpenShift



DB In Container



ACTIVE-ACTIVE, MULTI-AZ DEPLOYMENT



DEMO

- + NuoDB deployed in single AZ
- + Deploy Ticket Monster
- + Deploy NuoDB to second AZ
- + Scaling for Performance
- + Fault Tolerance - Admin, Storage Manager, Transaction Engines

THANK YOU!

VISIT Nuodb AT BOOTH #731!

- + Learn more at
www.nuodb.com/openshift
- + Ben Higgins, DevOps Engineer
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