

Database On Demand

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No access to underlying hardware

III Information Technology Department

No DBA support or application support

What you get?

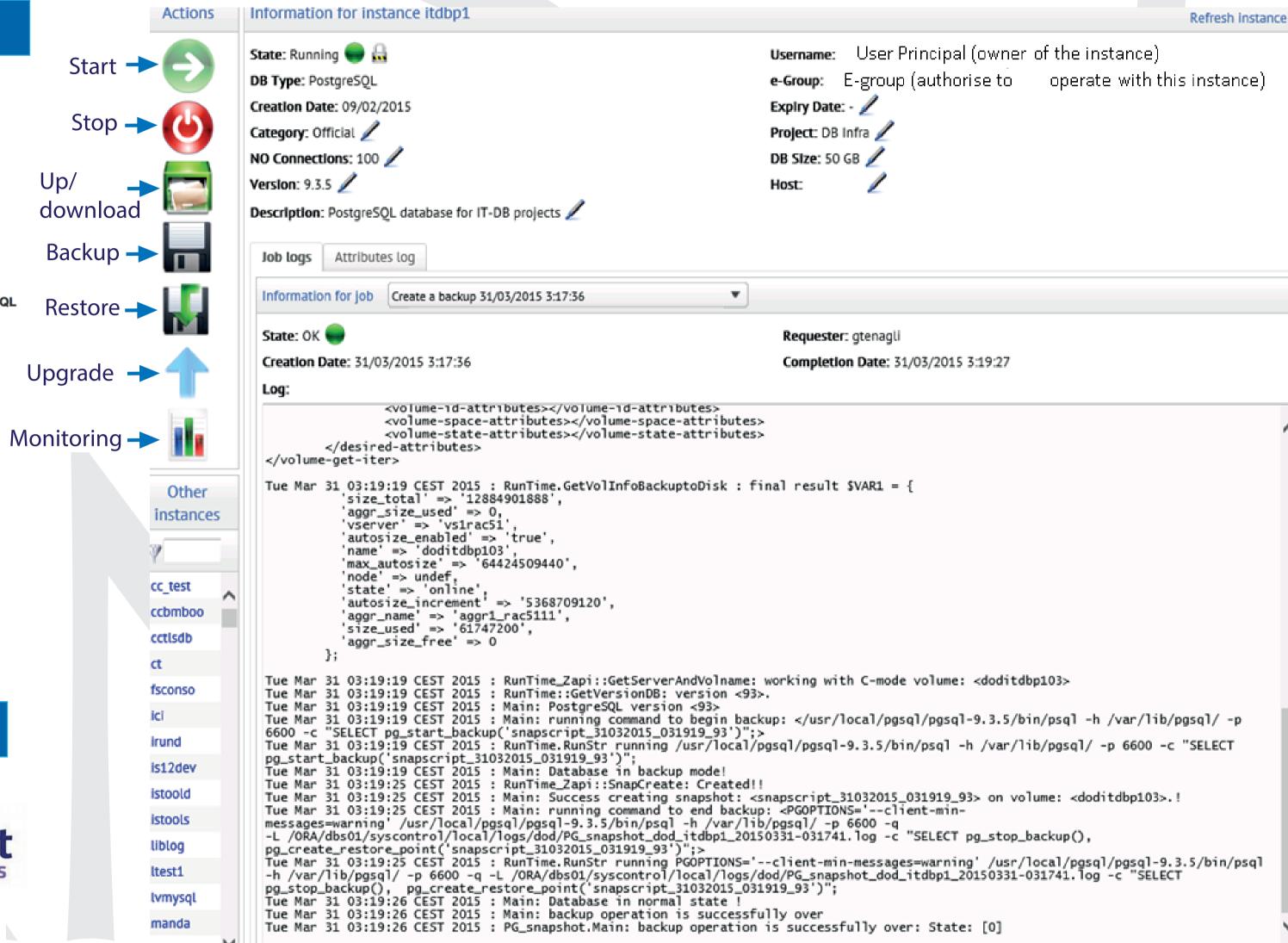
A private database among:

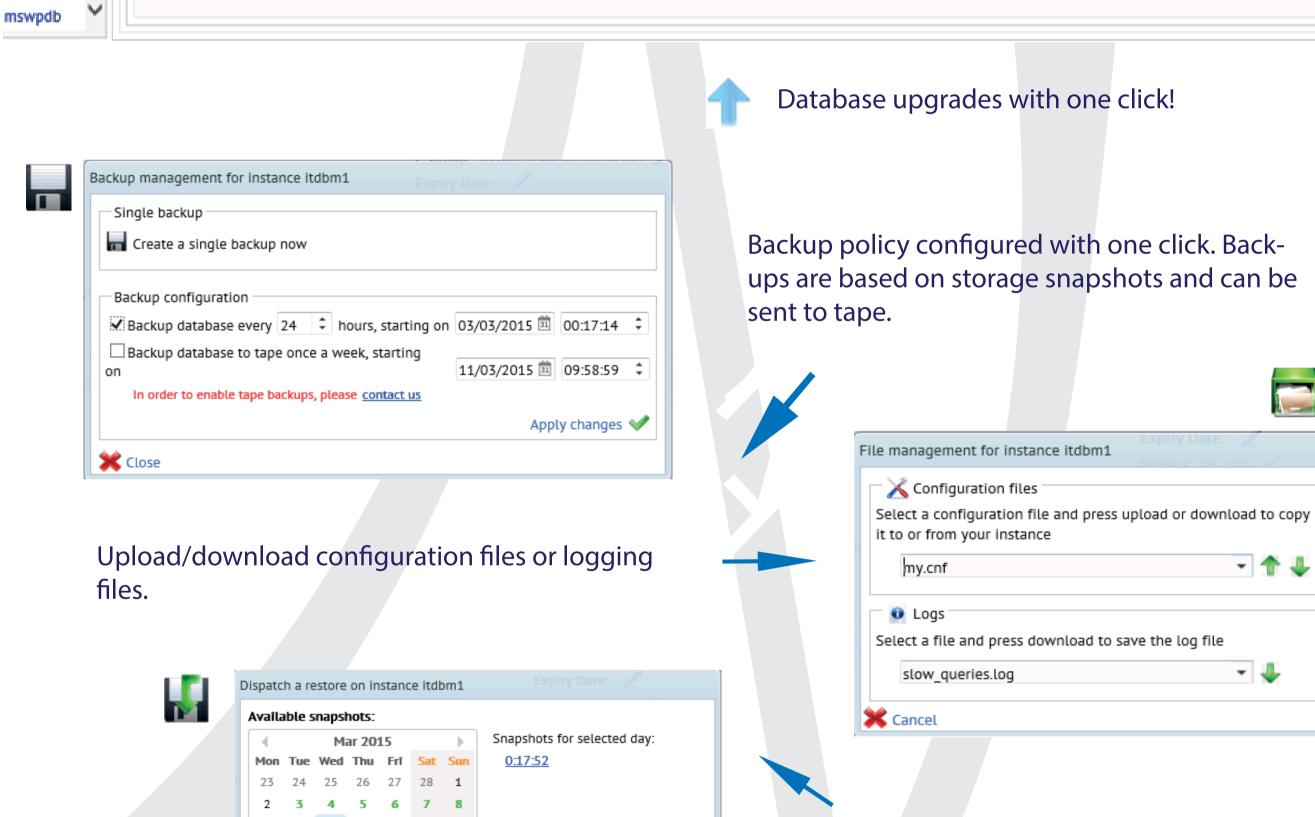




A DBA account + connection string to your instance

Ability to manage your instance on DBoD website: https://cern.ch/dbondemand





Service evolution

Point In Time recovery is available using snapshots where archivelogs/WAL segments or binary logs exists. Accept 💚

The engine calculates those points on the spot.

→

- Retrieve historical performance data Date: ▼ 2015-03-13 04:48:() 2015-03-13 16:48:() 6o - Run reports - Find out where your database

waits - Track changes on configuration

parameters

- Group statements per type - Trace SQL statements, explain plans with one click
- Spot which session is taking most resources - etc



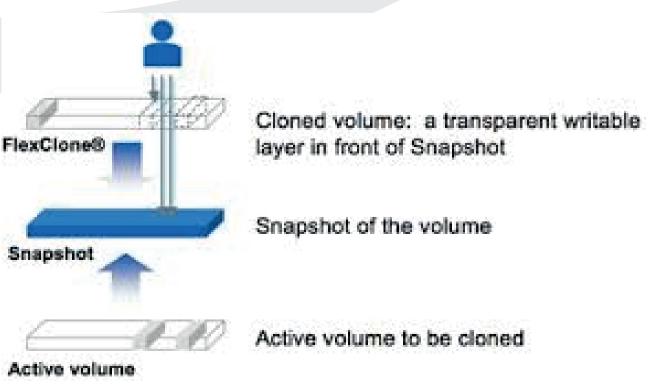


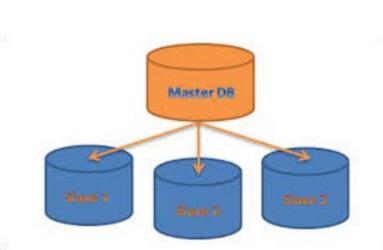
Containers benefits: light-weight virtualisation + resource isolation

PROJECT

Select a day and time to restore to

X Cancel





Replication benefits: Availabity, possibly off-loading reads from Master



What noSQL would you like? Tell us about! We are prototyping!





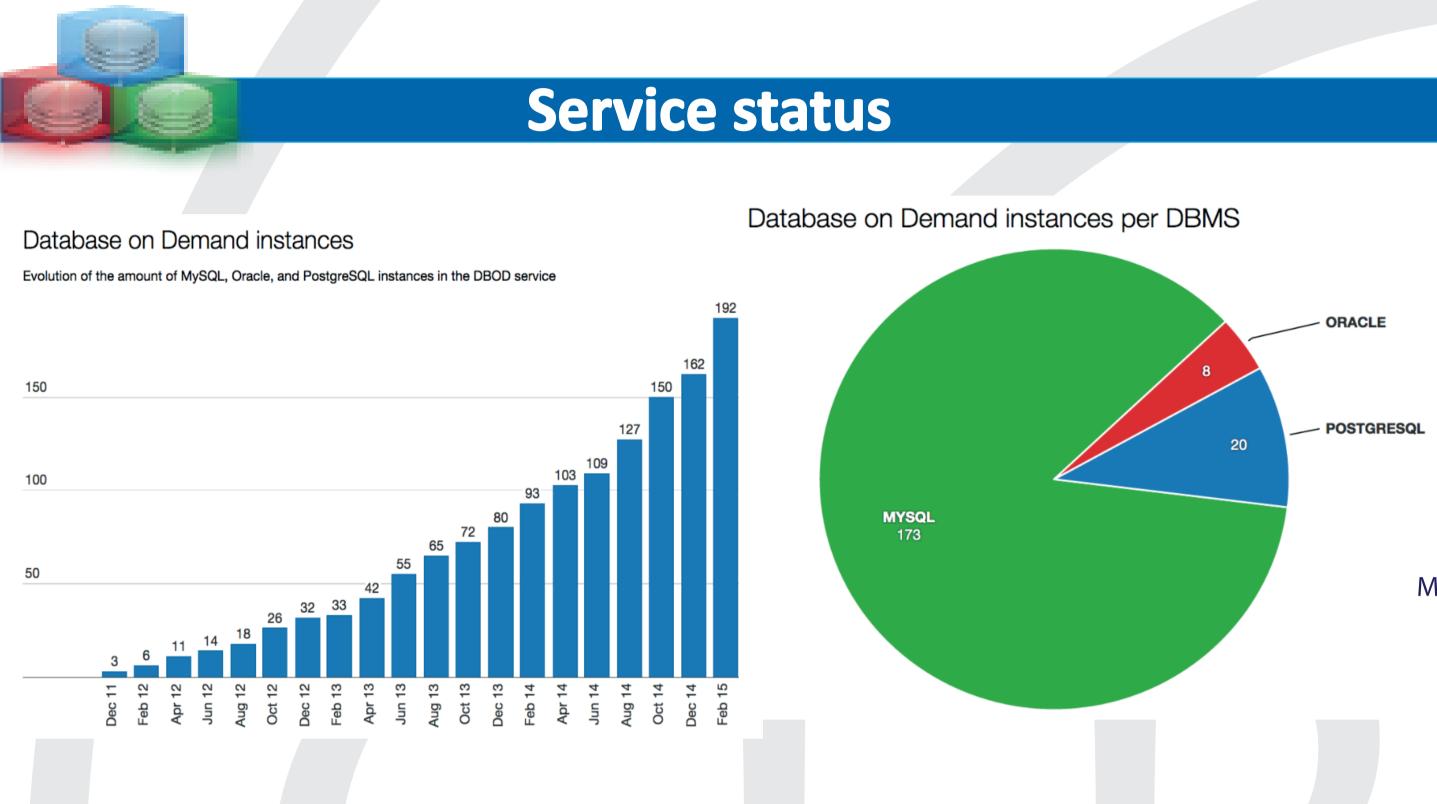
Manifesto: service principle

Follow a DBaaS paradigm

DBoD users are database administrators (DBA) of their instances

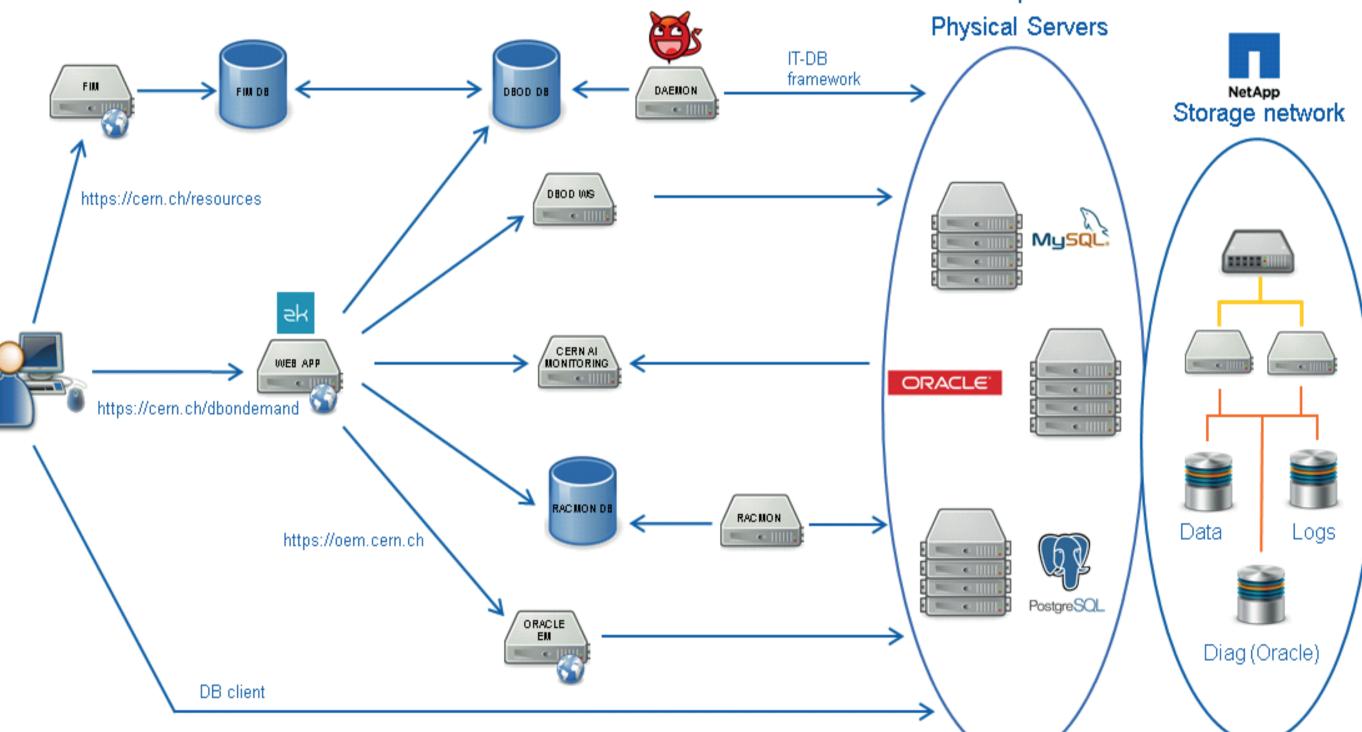
Foreseen as single instance service

No vendor support

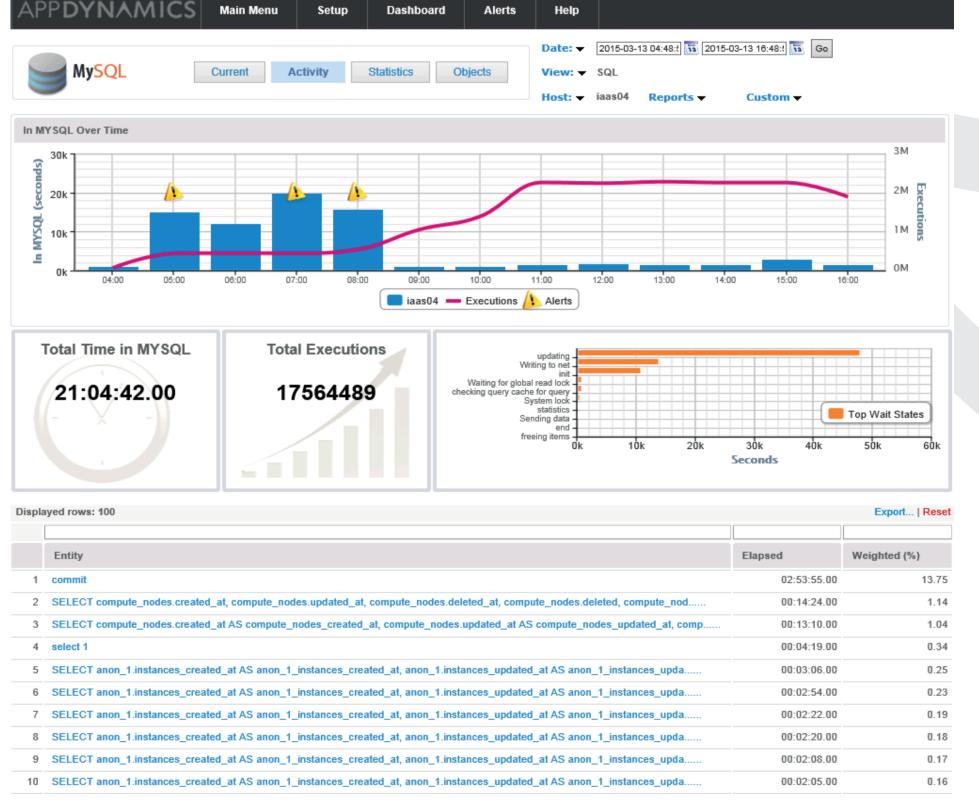


Architecture

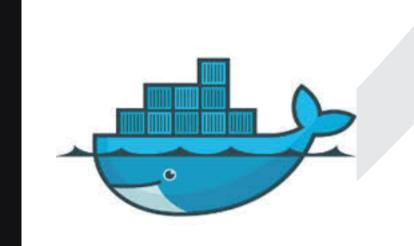




New Monitoring tool: Appdynamics



Correlate activity on your database with underlying storage.



Clones benefits: test your deployments, schema upgrades, etc on a copy of your production database, really cool!