"If my developers can't access the right data in time, my business stalls. With appOrbit, we've eliminated the headache and risks our data causes us."

– Chief Information Officer

Automated Database Refresh for Staging Environments

Multi-Billion Dollar Software Provider

Scope of Operations
Global

Company Profile
The Company designs software and services worldwide. It develops software for the architecture, engineering, construction, manufacturing, media, and entertainment industries.
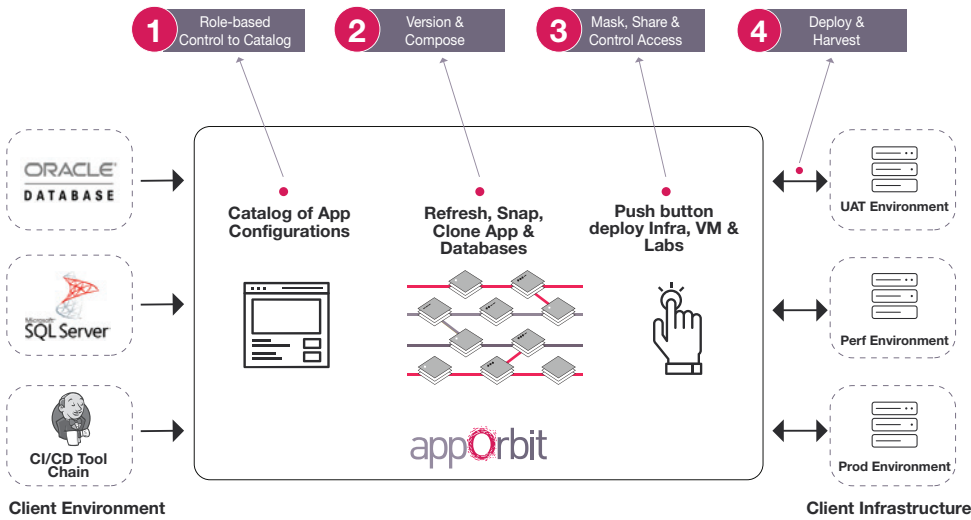
SITUATION

The Company's processes to restore and refresh legacy DB's in QA environments took up to 3 months. This slow and manual process caused project delays and re-work. Full clones and "zombie" clones consumed large amounts of infrastructure for Dev/Test use cases and were dependent on shipping DBs between on-prem and AWS for Elastic Map Reduce Jobs.

SOLUTION

The appOrbit Platform automated the DB replication process between the production and staging environments, creating instant and error-free clones of the DBs with masked data for Dev/Test environments and eliminating dependencies on DBA and Ops teams to create and refresh DB clones.

BENEFITS

- Increase data refresh frequency from **quarterly to weekly**
- **75%+ productivity improvement** for QA Testers and DBAs
- **10x improvement in scalability and agility** of DB cloning and refresh needs
- **On-demand** cataloged and versioned data
- Consume storage infrastructure **only when needed**

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Key Stats	Before	After
DB image management for test environments	Manual	Fully Automated
DB image deployment for test environments	Manual	Fully Automated
Lifecycle management *(snap, clone, delete, restore)*	Manual	Fully Automated
Time to Deploy & Refresh Data	3 Months	5 Days
QA Environments to Manage	Many	One
QA Environment Dependencies	App/ Infra/DB	None

1 Role-based Control to Catalog **2** Version & Compose **3** Mask, Share & Control Access **4** Deploy & Harvest

ORACLE DATABASE

Microsoft SQL Server

CI/CD Tool Chain

Client Environment

Catalog of App Configurations

Refresh, Snap, Clone App & Databases

Push button deploy Infra, VM & Labs

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UAT Environment

Perf Environment

Prod Environment

Client Infrastructure

About appOrbit

appOrbit offers an end-to-end product solution that forklifts existing applications onto a containerized DevOps platform that can be run on any cloud with security, usability and portability built in. With this solution, organizations achieve the time to market and cost benefits of modern application designs, without having to re-architect and re-platform existing applications. For more information, visit **apporbit.com.**

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Features Delivered	Before	After
Self deploy Oracle DBs and SQL Servers on any VM/ cloud within minutes	NO	YES
Self provision multiple DB Images	NO	YES
Control over capex / consumption of the hardware & resources	NO	YES
Cataloged Test Data across all Dev/Test Environments	NO	YES
Snapshots/clones of Apps & DBs (without the VMs on which they run)	NO	YES
On-demand data refresh based on data catalog	NO	YES
Near zero dependency on shipping DBs between different infrastructures	NO	YES
Early Detection of errors in DB deployment	NO	YES
Roll based access and integration with LDAP and Active Directory	NO	YES
Ability to mask data on-demand	NO	YES