Making Backup Great Again

With Data Protection as a Service



Presenters



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Who is Online Tech?









Cloud Services

- Ø Managed Public Cloud
- 📀 Virtual Private Cloud
- Oedicated Private Cloud
- Hybrid Cloud

Data Protection

- Ø Fresh data faster
- Recover from disasters in minutes
- Meet long-term storage requirements

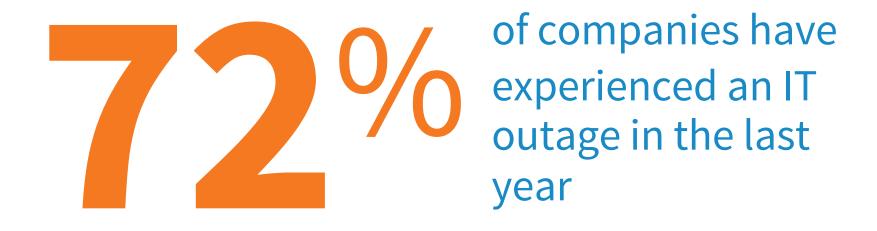
Colocation

- 7 diverse data center locations
- Secure, compliant dedicated hosting

Compliance and Security

- ⊘ Independent annual audits
- ⊘ Your complete security toolkit
- ⊘ Defense-in-depth approach





Source: Gartner BCM Survey

https://www.gartner.com/doc/3200321/survey-analysis--bcm-survey





were not able to meet the expected RPOs and RTOs

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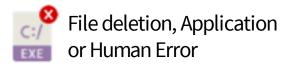
Typical Data Protection Solutions





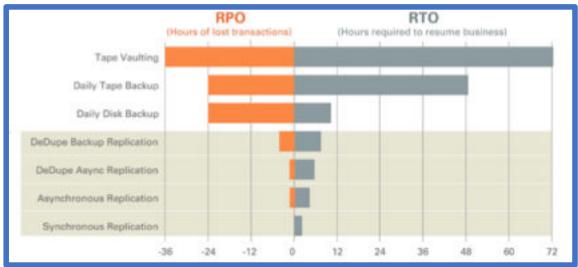
Power Interruption or Hardware Failure







Minimize Impact



Rewind and recover from any point in time









Offsite backup, with a little extra

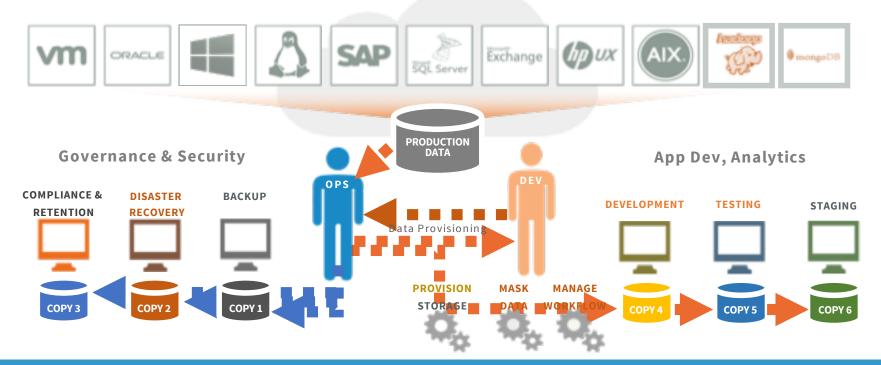
Data Protection as a Service offers broad data protection by combining the convenience of local backup for instant restores with offsite copies for additional protection, and long-term archiving storage to meet your compliance needs.

- Erase accidents or power failures with one click, and restore local databases 10TB or more in minutes
- Choose how long you keep your local data
- Meet compliance requirements with easily accessible long-term data archiving storage
- Instantly clone and sanitize production databases for dev/testing purposes





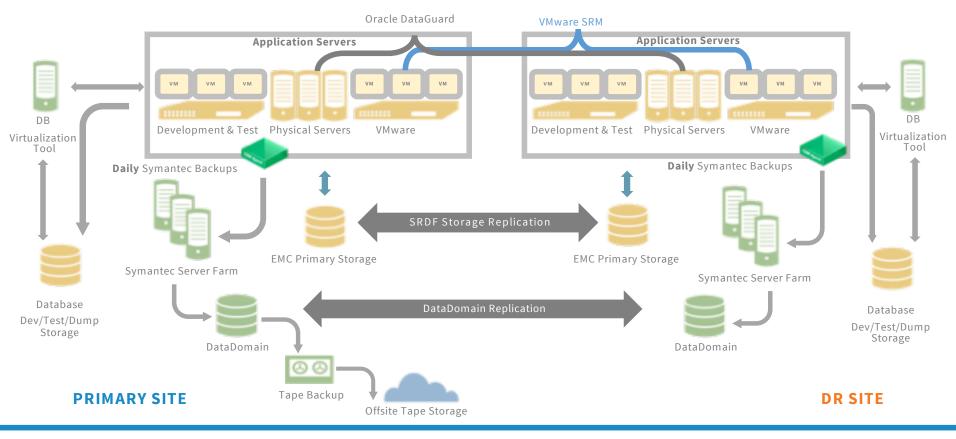
The Data Challenge of Digital Transformation



TOO MUCH TIME, SOFTWARE, STORAGE, EXPENSE, COMPLEXITY EXPONENTIALLY GREATER WHEN EXTENDING TO HYBRID CLOUD

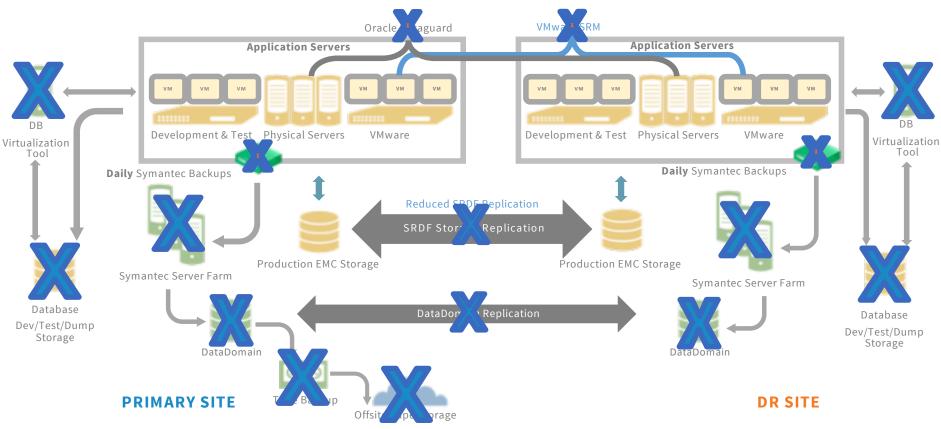


Initial State Technical Architecture



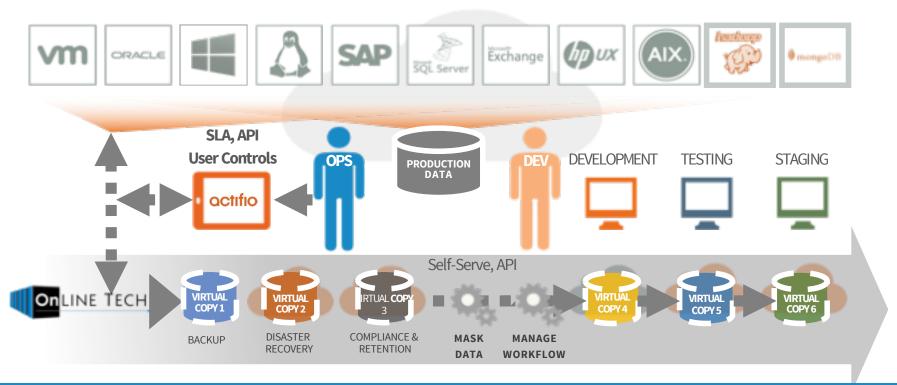


DPaaS Impact: Radical Simplification





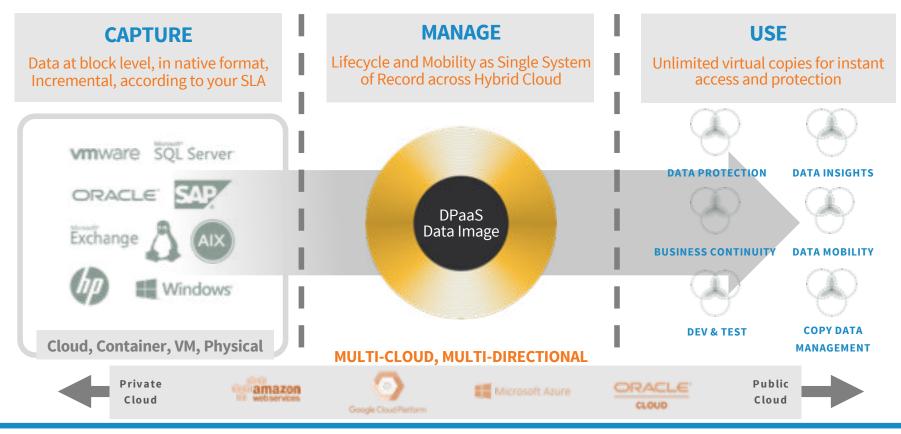
DPaaS Simplifies Digital Transformation



DPaaS: SINGLE SYSTEM OF RECORD SELF-SERVE INSTANT DATA ACCESS + DATA GOVERNANCE + HYBRID CLOUD

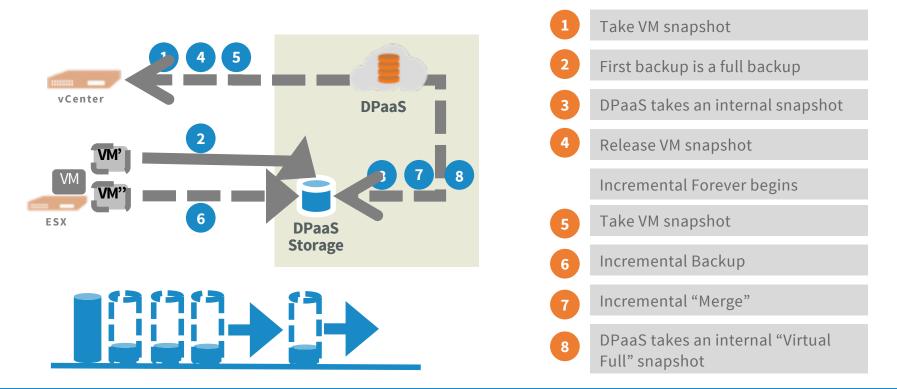


Online Tech DPaaS: How It Works





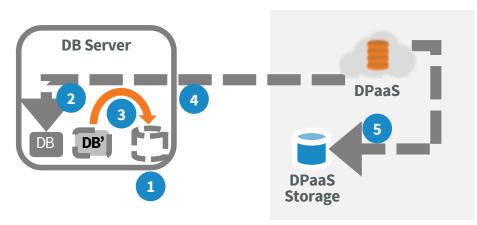
Data Protection For Virtual Environments



Even though each backup is incremental, DPaaS synthesizes a PIT (point in time) virtual full



MS SQL & Oracle



1	Mount staging disk on Database server
2	Snapshot using API (VSS for SQL, RMAN for Oracle)
3	Copy and merge changed blocks Changed blocks are tracked using DPaaS CBT for SQL Oracle RMAN Image Copy + Incr Merge
4	Unmount staging disk on DB server

5 DPaaS takes an internal "Virtual Full" snapshot

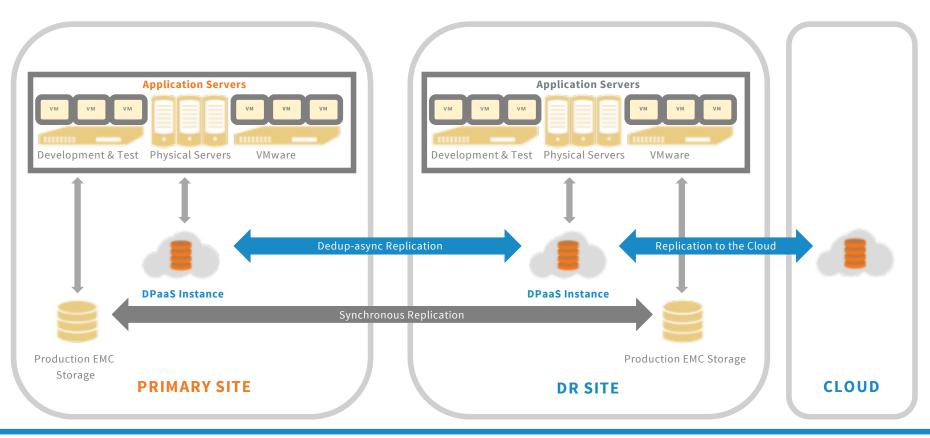


With every incremental, DPaaS synthesizes a PIT (point in time) virtual full

DPaaS eliminates recurring full Backups for very large DBs. This frees up CPU, memory, storage IO, network IO on your mission-critical production applications.

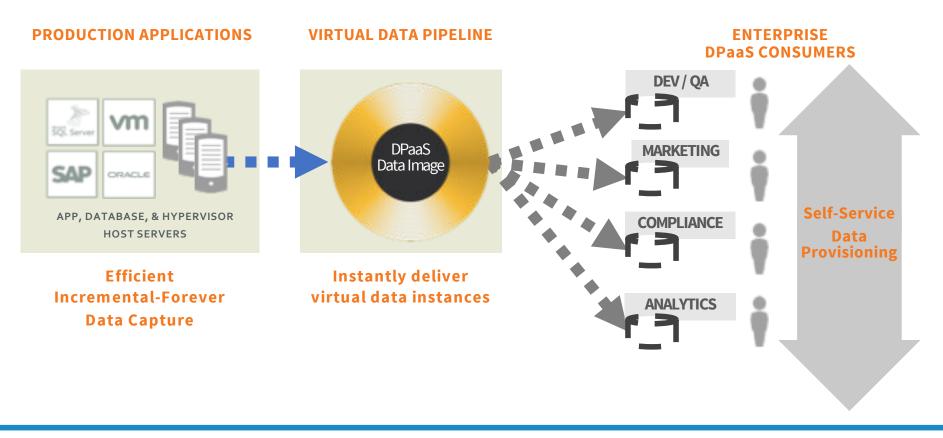


End State Technical Architecture



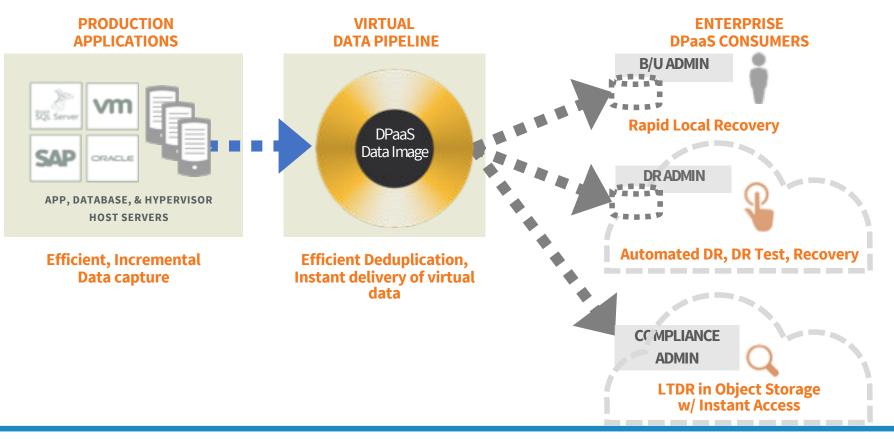


Agile Development Reference Architecture



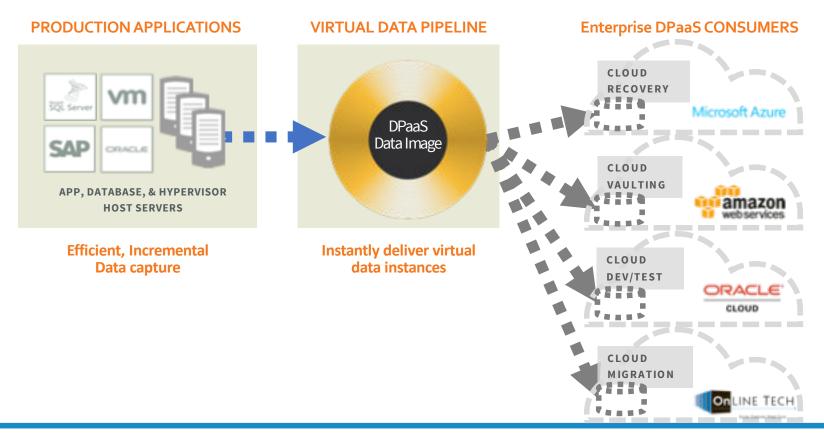


Resiliency Reference Architecture



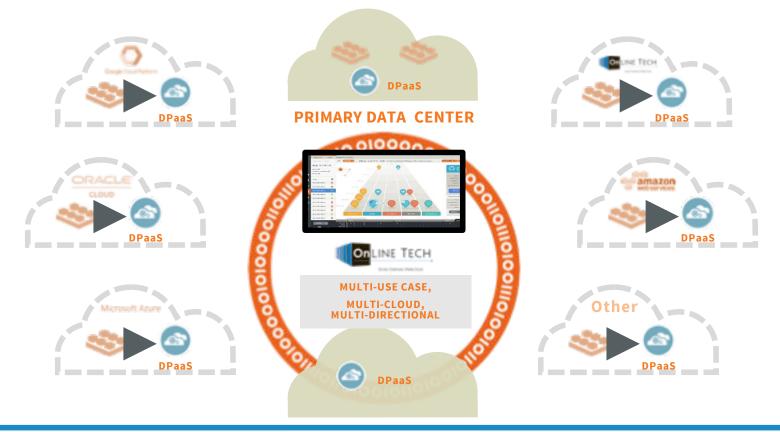


Hybrid Cloud Reference Architecture



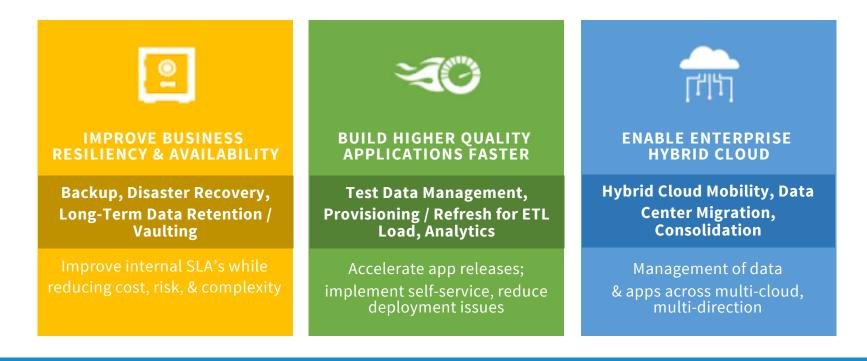


Powering Enterprise Hybrid Cloud





Online Tech Enterprise DPaaS Solutions



ENTERPRISE DATA PROTECTION-AS-A-SERVICE

