Hystax

Home to hybrid cloud management

Live cloud migration, disaster recovery, cloud backup and IT budget control

Transform clouds into a commodity

Cloud migration | IT budget control | IT resilience | Cloud arbitrage

Products
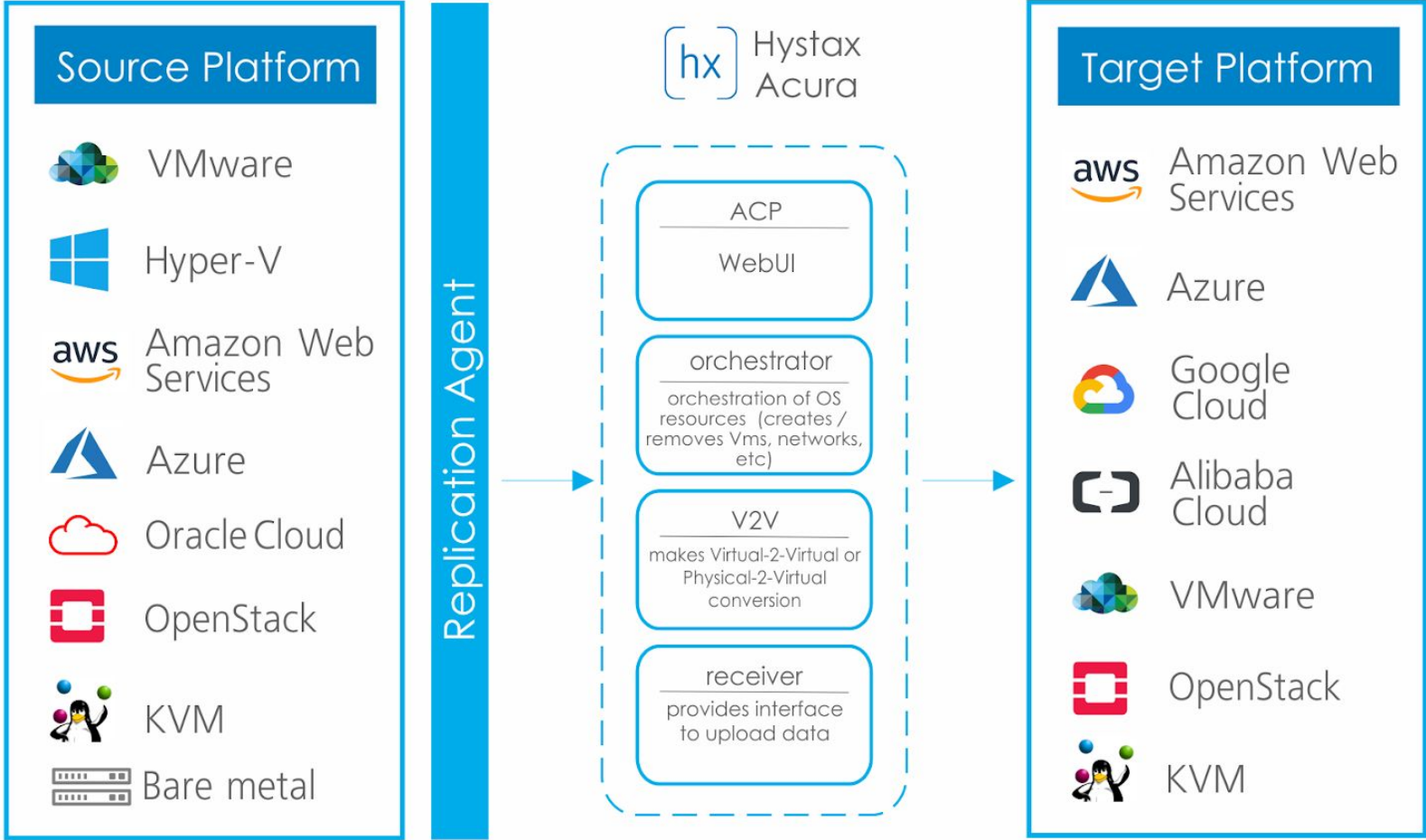
Hystax Acura

Live cloud migration &
disaster recovery

**Hybrid Cloud
Management
Platform**

Budget & provisioning
control, workloads
mobility, IT Resilience

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Live cloud migration and disaster recovery

Migration and DR: source and target platforms

Source Platform
- VMware
- Hyper-V
- Amazon Web Services
- Azure
- Oracle Cloud
- OpenStack
- KVM
- Bare metal

Replication Agent

hx Hystax Acura

ACP

WebUI

orchestrator

orchestration of OS resources (creates / removes Vms, networks, etc)

V2V

makes Virtual-2-Virtual or Physical-2-Virtual conversion

receiver

provides interface to upload data

Target Platform
- Amazon Web Services
- Azure
- Google Cloud
- Alibaba Cloud
- VMware
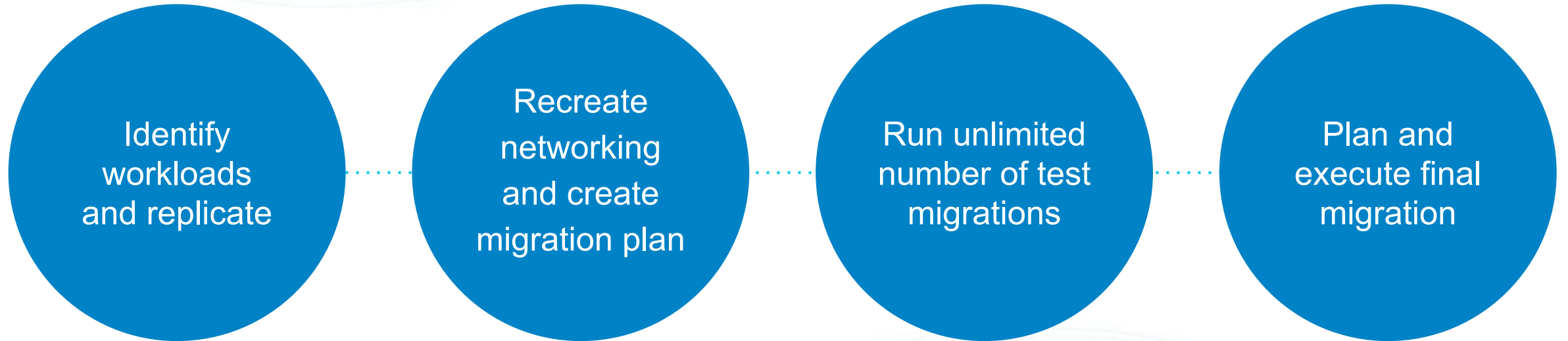- OpenStack
- KVM

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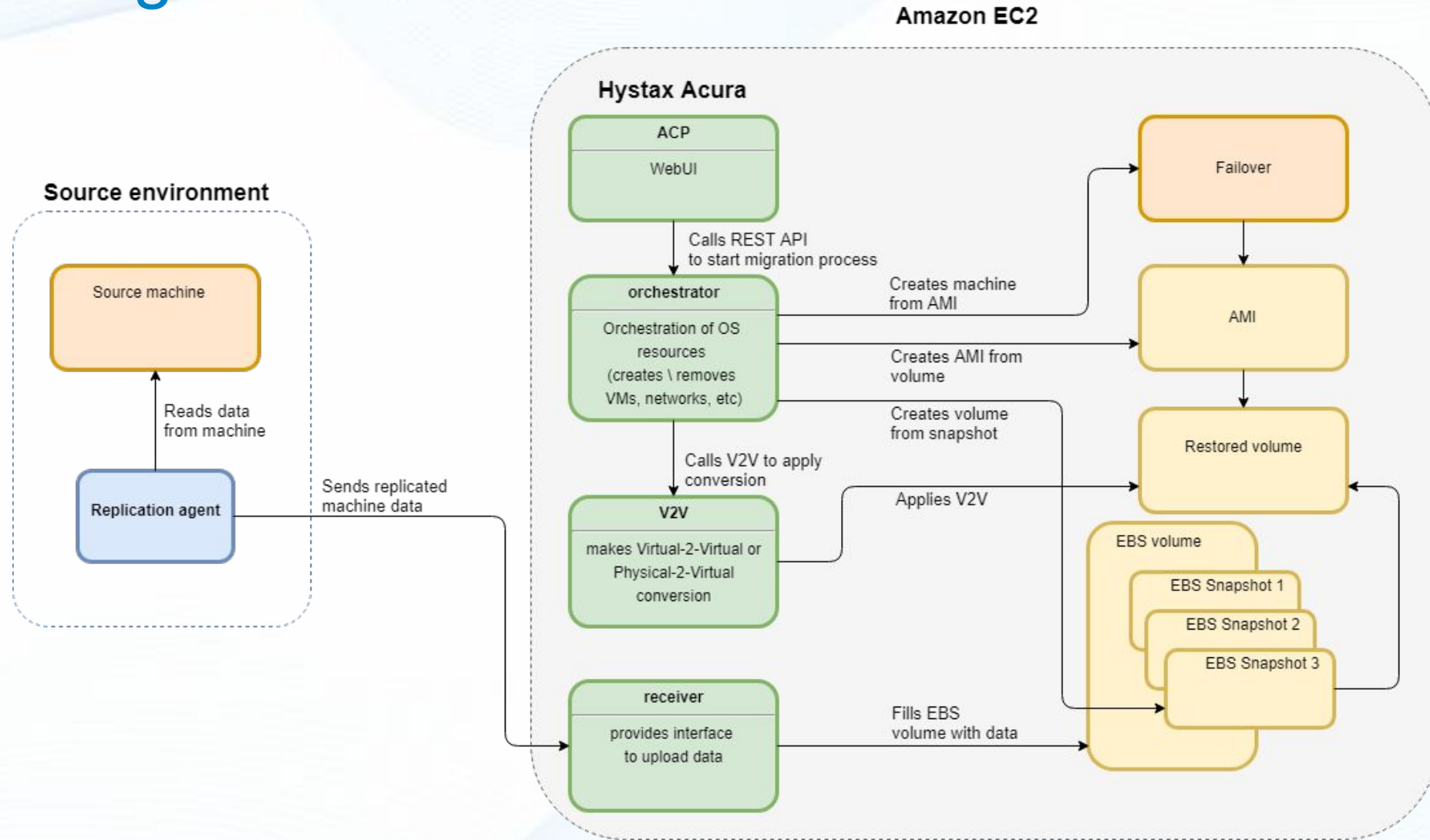
Live cloud migration

Hystax Acura: live cloud migration

- Live background replication to a target site

- Agentless migration with external agents, no data loss

- No downtime while replicating and testing migration
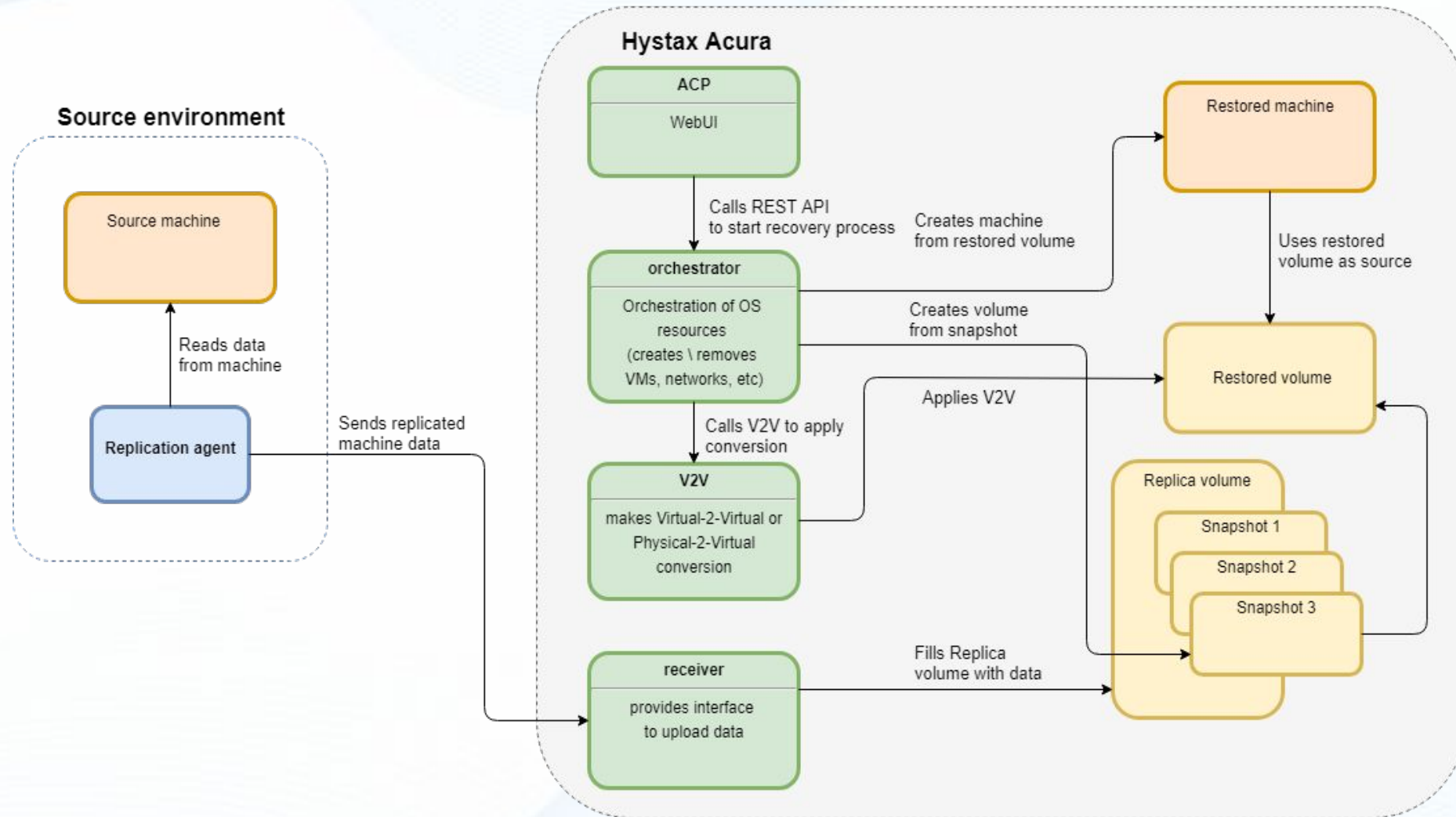
- Unlimited number of test migrations

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Migration stages

Identify workloads and replicate

Recreate networking and create migration plan

Run unlimited number of test migrations

Plan and execute final migration

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AWS: migration data flow

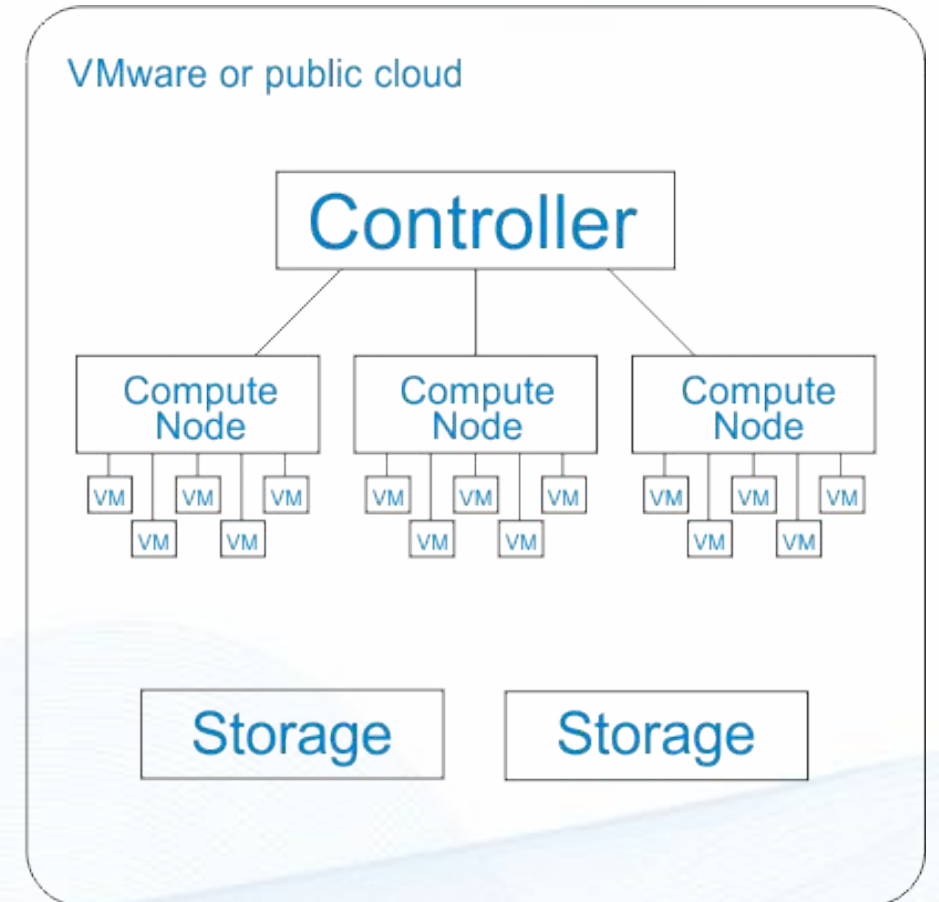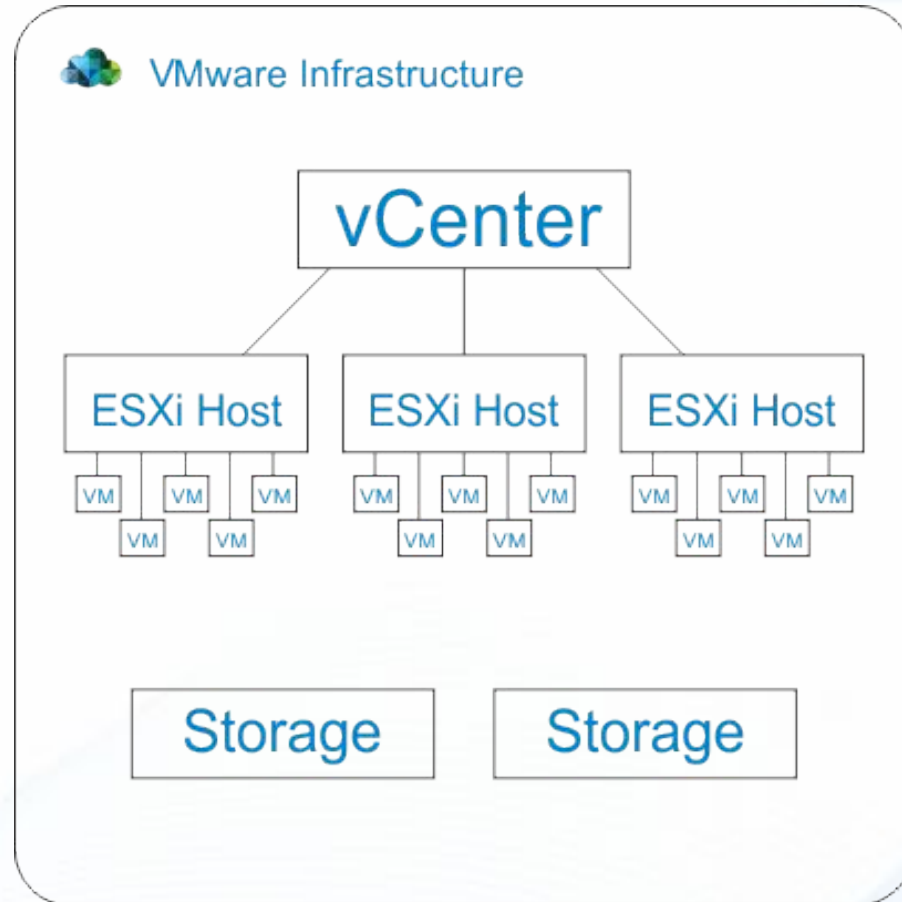# KVM-based clouds: migration data flow

Disaster recovery
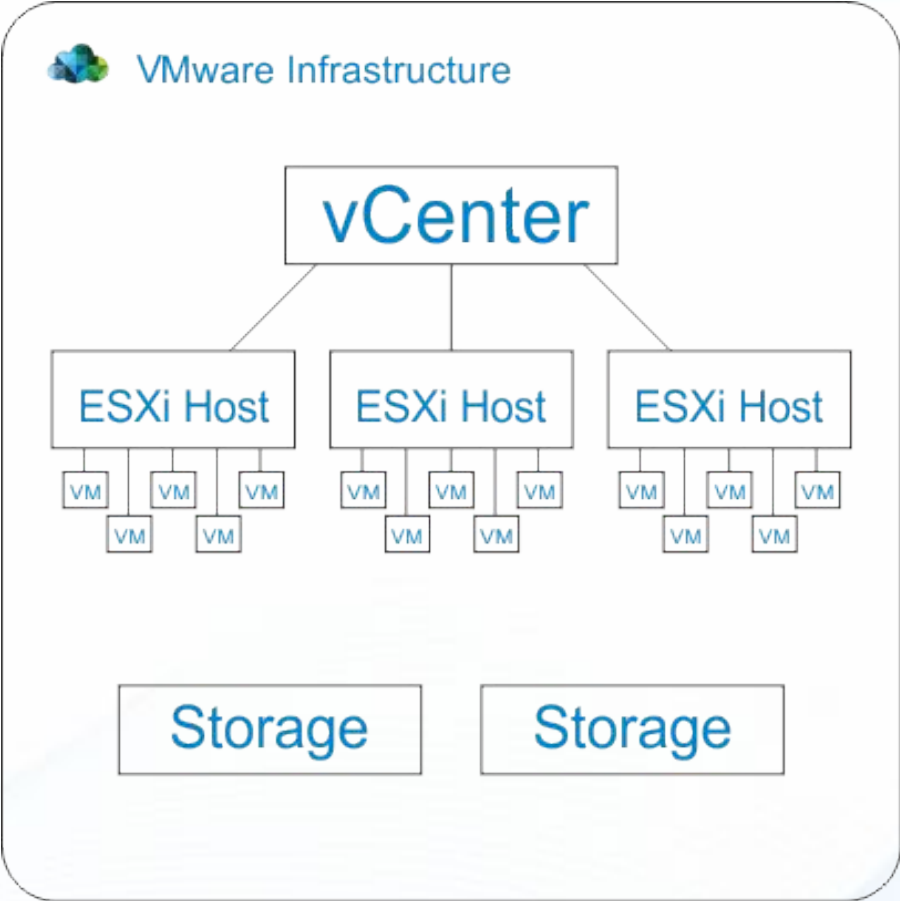
Traditional disaster recovery architecture

Production site with main VMware infrastructure

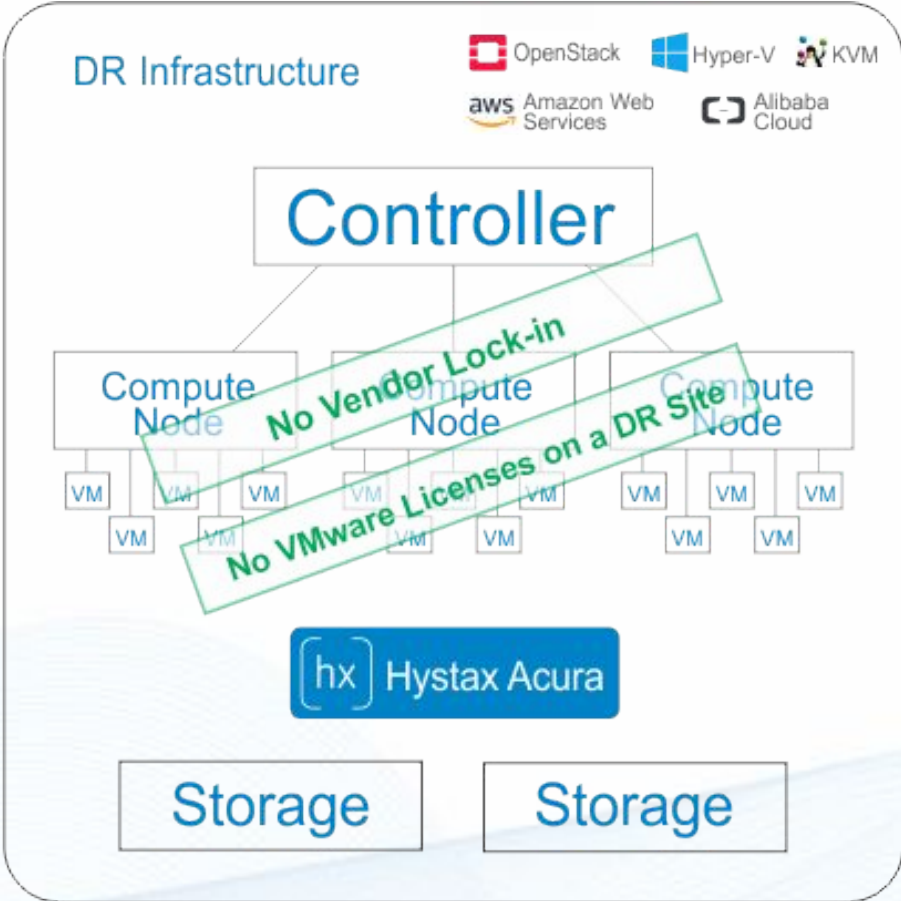DR site with a copy of VMware infrastructure + VMware SRM or any DR solution

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New look at disaster recovery architecture

Production site with VMware infrastructure

Disaster recovery site with Hystax Acura

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Hystax Acura: disaster recovery

DRaaS

Ready to build DR services

Private DR solution

DR for any specific customer to a private or public cloud

Cloud backup

Backup as a service with flexible deduplication and retention

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Hystax Acura: disaster recovery

No vendor lock-in

Agentless replication

Ready to build service and private DR solutions to end customers

Cross-cloud disaster recovery

Full DR automation

Instant business application recovery

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Hystax Acura disaster recovery capabilities

- **Single control plane for all customers or projects** – manage all your customers through one console

- **Sophisticated role-based access management and audit** – manage user access and assign granular roles to various resources. View and export audit logs

- **Logs collected in one place** – logs from all customers are concentrated in one place

- **Full coverage with RESTful API** – Hystax Acura is 100% covered with RESTful API. Easy automation and integration with current management systems

- **Low RPO and RTO –** best-in-class RPO values and instant RTO

- **Flexible reports and event notification –** get full resource utilization report and configure all level event notifications

- **Custom PSA Integration** – integrate solution with existing PSA systems, automatically create and file tickets

- **Deduplicated storage and configurable retention policies** – optimized resource utilization by unique deduplication technologies. Flexible snapshot retention policies

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Customers and partners

Current customers and partners

| Telecoms | Integrators | Cloud service providers | Cloud vendors | End customers |

Case study (Drake & Scull - UAE)

- Drake & Scull International PJSC (DSI)[1] is a construction engineering provider in the global market.

- DSI planned to migrate production workloads from VMware cloud in a local datacenter to a modern platform based on KVM cloud to reduce TCO costs and because of expiring Cisco hardware support.[2]

Mr. Yousef Al Mulla, Group CEO at Drake & Scull International

Mission accomplished! Hystax & Cloudak definitely a winning team! They assisted us on all stages of migration and did beyond of what was initially planned by customizing replication process to mitigate obstacles. We were extremely happy to work with Hystax!

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Hystax Acura advantages

Partners

- Any-to-any cloud migration and disaster recovery
- Ready to build service for end customers
- Multitenant rebrandable customer portal
- Integration with partner billing and PSI

Customers

- Fully-automated cloud migration
- Support of any platforms including public clouds, KVM and physical machines
- Cross-cloud disaster recovery with best-in-class RPO and RTO values
- Unlimited number of test migrations and failovers

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Backup slides

Disaster recovery

- Replication of client IT infrastructure (physical and virtual machines, networks) and willingness to re-create the infrastructure for continuous functioning of client's business with minimal delay according to a previously prepared scenario

- **Recovery point objective (RPO) –** time between replication periods or maximum data size, that a client is ready to sacrifice in case of disaster

- **Recovery time objective (RTO) –** time between reaction to the disaster and infrastructure recovery. Usually, this parameter is analyzed for the case of one-machine recovery

Minimal RPO and RTO are critical for business

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