

# Hystax Acura Live Migration

## > Use Case

### Description

Hystax Acura Live Migration provides businesses with a simple, efficient, fully automated and live migration of any types of workloads to any target cloud platform, helping companies to reduce TCO by cost-effective solution.

Hystax Acura Live Migration consistently replicates production workloads and sends deltas to a target platform in a deduplicated and WAN-optimized manner. As soon as full replicas are on the target site, business application can be spun up in an orchestrated manner.

Hystax Acura Live Migration replicates not only business application and machines data, but also metadata about machines to automate process of migration and preserve network and flavor settings.

Hystax Acura Live Migration automatically created consistent EBS volumes and snapshots from replicated data and generate AMIs ready for use in production.

Hystax Acura Live Migration automatically cleans up unused snapshots and other resources to optimize migration and target platform costs.

### > Technologies

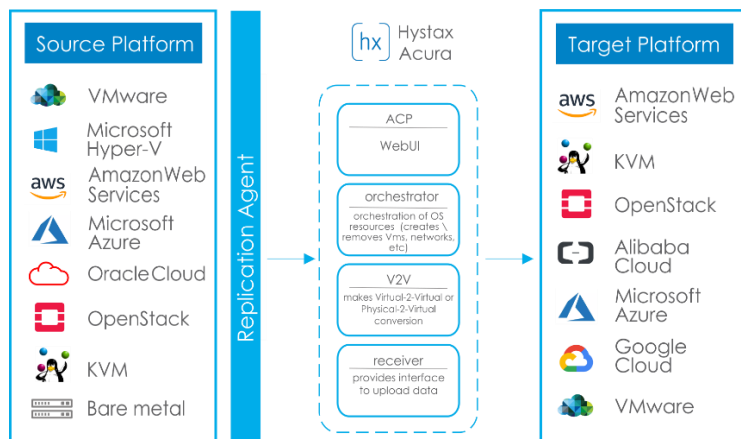
Product modules are written in Python 3.5 and C++. Server components are packed into Docker containers, orchestrated via Kubernetes. Client side agents are running as Windows/Linux services for physical machines or separate virtual machine for VMware/OpenStack. Logs storing and searching in logs with ELK, AES 256 user data encryption.

### > Category

- Private Cloud
- Public Cloud
- Hybrid Cloud

## Customer values / problems solved

- Live background replication of production workloads
- Fully automated migration process
- Agentless migration without data loss in minutes
- Test migrations ability before making a decision to switch production to any cloud platform
- TCO reducing by moving to a cost-effective target site
- Isolated solution infrastructure for customer security
- Full coverage with REST API to support complex and multiphase migration strategies
- Easy to use solution: all components of migration are controlled by sophisticated control plane
- Cost-effective migration process.



Hystax Acura Live Migration provides:

- automated live migration from any source platform – VMware, Microsoft Hyper-V, OpenStack, Microsoft Azure, Amazon Web Services, Oracle Cloud, KVM, Bare Metal
- automated live migration to any target platform – KVM, Amazon Web Services, OpenStack, Microsoft Azure, Google Cloud Platform, Alibaba Cloud, VMware