

# HVR Agent as a Service for Microsoft Azure

A key promise of the cloud is less mundane software management. Contrast the cloud to the on-premises world, with system operators, network administrators, DBAs, application administrators, etc.

The Agent as a service for Azure eliminates the need to utilize additional internal resources to manage your data in Azure. With Agent as a Service for Azure, the agent is deployed in your account using Azure's Managed Application. Data stays in your account on its way between source and destination. Infrastructure costs are directly billed to your Azure account.

The goal with the HVR Agent as a Service for Azure is to ensure your environment

- Can achieve the highest performance utilizing industry best practices
- Is highly available
- Keeps data secure

## Scalability

The Agent as a Service leverages the Azure Kubernetes Services (AKS). The AKS deployment allows for managing settings to automatically scale out the environment with multiple pods on a node, and multiple nodes in a node pool. As the resource requirements go down, the service will automatically spin down resources to save costs.

## High Availability

The service will always keep a minimum of agent instances available. In the unlikely event that an agent goes down, a new one will automatically start. The endpoint definition does not change. AKS provides the load balancer to make the agent instance independent of the endpoint definition.

### FEATURES:

An experienced team at HVR will take care of the deployment following best practices, which includes:



**SIZING**



**SCALABILITY**



**HIGH AVAILABILITY**



**ROLLING UPGRADES/ SOFTWARE UPDATES**



**MONITORING**



**SECURITY**

# Rolling upgrades

Updating software timely is important. The HVR Agent as a Service for Azure manages this for you. Agent instances are replaced when software updates are available to allow for minimal if any downtime to deploy the upgrades.

# Monitoring

Customer deployments and any potential issues are pro-actively monitored and addressed by HVR. Native Azure monitoring, alerting solutions, and custom HVR monitoring are deployed to ensure the environment is available at all times.

# Security

Keeping your data secure is a number one priority. The HVR Agent as a Service for Azure implements the following security measures:

- HVR Agent as a Service for Azure is deployed as a Managed Application in a Managed Service model. This model allows for HVR to manage components with data staying in your account. You have read-only permissions on the components.
- The AKS deployment is integrated with the Azure Active Directory Role-Based Access Control to prevent access to the pods running the agent.
- Connectivity between the HVR hub and the HVR Agent as a Service uses secure HVR TLS 1.3 encryption.
- Authentication to the agent is restricted to a single IP address - where your hub resides - with additional certificate-based authentication.
- The service implements standard Azure Kubernetes Audit policies to ensure compliance.

# Getting started

For now, continue to manage the hub and agent installations outside of Azure. The Agent as a Service is deployed through the Azure Marketplace. Contact us to learn more and to share an Azure Agent as a Service offer on the Marketplace.

GET STARTED WITH HVR

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ABOUT  
HVR

We accelerate data movement so that you can revolutionize your business. HVR is designed to move large volumes of data FAST and efficiently in modern environments for real-time updates.