Acuutech®

Virtual Machine Self-Service Management (ARC Enabled Virtual Machines) Planning & Deployment

Description

A virtual machine deployment and remote management solution that allows users (including non-administrative users) to deploy and maintain VMs onto remote systems running; AS HCI, SC VMM managed infrastructure or VMWare vCenter clusters. Without direct access to the underlying systems from a cloud-hosted management portal.

The solution supports VM deployment onto systems using one of the following infrastructure technologies.

- AS HCI Operating System
- Virtual Machine Manager
- VMWare vCenter cluster

Features

Deployment and management of the base (MS ARC) infrastructure required to support VM self-service onto the target platform.

VM self-service capabilities

- User self-service deployment of VMs onto the target system.
- Optional deployment based on predefined VM configurations (VM templates).
- Configuration and modification of VM resources (RAM, CPU, storage, OS, networking).
- Configuration of VM virtual hard disk storage location.
- Allocation of logical networks (VLAN and software-defined) to VMs. Note: Networking resources must be defined and operational on the base platform.
- Management of VM operating state: start, stop, shutdown and restart.
- Review and audit of VM resource utilisation via Azure Monitor.
- Deployment and management of Azure security and log analytics services (additional fees will be incurred).
- Access controls and policy via Azure policy.
- User access rights are controlled via AAD RBAC roles.
- Optional complete VM management, including remote access via the Universal Machine Management Service (ARC for Servers) (additional fees will apply).

![Acuutech]

Requirements

VMM

- Platform with Virtual Machine Manager (VMM) 2016 or later deployed and configured to support VM deployment and management.
- Sufficient CPU, RAM and Storage resources to deploy and operate the ARC bridge connector.
- A user account with appropriate access rights as defined in the client onboarding process (to allow deployment and configuration of ARC bridge service).
- A user account with appropriate access rights as defined in the client onboarding process in the VMM system.

VMWare

- Platform with vSphere 6.1 or later deployed and configured to support VM deployment and management.
- Sufficient CPU, RAM and storage resources to deploy and operate the ARC bridge connector.
- A user account with appropriate access rights as defined in the client onboarding process (to allow deployment and configuration of ARC bridge service).
- A user account with appropriate access rights as defined in the client onboarding process in the vCentre cluster.

AS HCI

- Platform running AS HCI version 22H2 or later.
- Sufficient CPU, RAM and storage resources to deploy and operate the ARC bridge connector.
- A user account with appropriate access rights as defined in the client onboarding process (to allow deployment and configuration of ARC bridge service)

Considerations

- Creation and management of networking resources are not supported. Network resource creation and management should be performed via a suitable management solution on the base platform.
- For VMM and vSphere, suitable storage locations to deploy VM virtual hard disks must be created and accessible to the VMM or vSphere management platform.
- On a system using AS HCI, suitable CSV volumes must be created before VM self-service deployment can occur.
- VMs created via self-service will be added to the Azure portal and will be automatically enabled for ARC for servers.