# Virtualization Migration

# Technical Discovery & Risk Assessment

**Report**

This document provides a high-level summary of the complexity and risk of a migration prior to entering a Virtualization Migration Assessment (VMA) to better resource the VMA for the best outcome. **This exercise in no way replaces the rigor of the VMA.**

| **Customer Details** | |
| --- | --- |
| Customer Name |  |
| Customer Point of Contact Name |  |
| Customer Point of Contact Phone |  |
| Customer Point of Contact Email |  |
| Date of Initial Information Collection |  |

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## Sizing

| **Platform Sizing** | |
| --- | --- |
| VMware clusters |  |
| Physical locations |  |
| Hypervisors |  |
| Hypervisors per cluster |  |
| Variations in hardware configurations across hypervisors within the same cluster(s) |  |
| Total VMs running |  |
| CPU sockets occupied |  |
| CPU Cores (physical!) |  |
| Sockets per hypervisor |  |
| Total number of virtual CPUs allocated |  |
| Total RAM allocated (Size MiB) |  |

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## **Summary**

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| **Section** | **Overall Risk** | **Comments** |
| --- | --- | --- |
| [Operating Systems](#_jm49ehlg2nsk) | Low |  |
| [Products](#_o3rvd7olagx2) | Low |  |
| [Features and Use Cases](#_cb5y84tudlio) | Low |  |
| [Plans to Migrate](#_t4zhe5qne2ks) | Low |  |

## Operating Systems

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| **Operating Systems** | **Risk** | **Comments** |
| --- | --- | --- |
| Percentage of VMs running WINDOWS | Low |  |
| Percentage of VMs running RHEL | Low |  |
| Percentage of VMs running Debian/Ubuntu | Low |  |
| Percentage of VMs running OTHER | Low |  |

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## Products

| **Question** | **Components / Features** | **Risk** | **Comments** |
| --- | --- | --- | --- |
| **VMware Products Used** | vSphere edition(s)/version | Low |  |
| NSX | Low |  |
| Aria Suite Enterprise (bundle)   * Aria Automation * Aria Operations * Aria Operations for Logs   - Aria Automation Orchestrator and Aria Automation  - SaltStack / Aria Automation Config | Low |  |
| SRM | Low |  |
| **Storage Vendor** | | Low |  |
| **Backup and Disaster Recovery Vendor(s)** | | Low |  |
| **Network vendor(s)** | | Low |  |
| **Target Hardware for Installation** | | Low |  |
| **Current non-OS Workloads** | | Low |  |

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## Features and Use Cases

| **Question** | **Features** | **Risk** | **Comments** |
| --- | --- | --- | --- |
| **VMware Features Used** | **Storage** | |  |
| Storage vMotion | Low |  |
| Storage DRS | Low |  |
| RDM (Raw Device Map) | Low |  |
| Storage IO control (SIOC) | Low |  |
| **Networking** | |  |
| Routing | Low |  |
| VPN | Low |  |
| Port mirroring | Low |  |
| Network IO Control (NIOC) | Low |  |
| **Reliability and Flexibility** | |  |
| Fault Tolerance | Low |  |
| DRS (Dynamic Resource Scheduling) | Low |  |
| CPU Overcommit | Low |  |
| Memory Overcommit | Low |  |
| **Backup, DR and Protection** | |  |
| VM Snapshot | Low |  |

## Plans to Migrate

| **Question** | **Risk** | **Comments** |
| --- | --- | --- |
| **Timeline to deploy VMware alternative into production** | Low |  |
| **Financial Budget** | Low |  |
| **People resources to work with Red Hat to advise on evaluation & implementation** | Low |  |
| **Open to a solution that requires the addition of a 3rd party Software Defined Storage vendor** | Low |  |
| **Using OpenShift** | Low |  |
| **Using Ansible for datacenter automation** | Low |  |
| **Currently seeking to modernize applications** | Low |  |