# Virtualization Migration

## Technical Discovery & Risk Assessment
## Report - to fill out please use the Guide 2.a

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 | |

### 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) | |

## Summary

| Section | Overall Risk | Comments |
|---|---|---|
| Operating Systems | Low | |
| Products | Low | |
| Features and Use Cases | Low | |
| Plans to Migrate | Low | |

## Operating Systems

| 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 | |

## Products

| Question | Components / Features | Risk | Comments |
|---|---|---|---|
| **VMware Products Used** | vSphere edition(s)/version | Low | |
| | NSX | Low | |
| | Aria Suite Enterprise (bundle)<br>• Aria Automation<br>• Aria Operations<br>• Aria Operations for Logs<br>- Aria Automation Orchestrator and Aria Automation<br>- 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 | |

**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 | |