VMware vSphere As Built Report

|  |  |
| --- | --- |
| Author: | markus |
| Date: | Donnerstag, 18. November 2021 |
| Version: | 1.0 |

# 1 vcenter01.ara-assistance.de

## 1.1 vCenter Server

Die folgenden Abschnitte beschreiben die Konfiguration des vCenter Server vcenter01.ara-assistance.de.

|  |  |
| --- | --- |
| vCenter Server | vcenter01.ara-assistance.de |
| IP Address | 10.101.35.60 |
| Version | 7.0.3 |
| Build | 18778458 |
| OS Type | linux-x64 |
| Product | vCenter Server 7 Standard |
| License Key | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-083KM-24A6H |
| License Expiration | Never |
| Instance ID | 52 |
| HTTP Port | 80 |
| HTTPS Port | 443 |
| Platform Services Controller | vcenter01.ara-assistance.de |
| Update Manager Server | vcenter01.ara-assistance.de |

Tabelle 1 - vCenter Server Configuration - vcenter01.ara-assistance.de

### 1.1.1 Datenbank Einstellungen

|  |  |
| --- | --- |
| Database Type | Embedded |
| Data Source Name | VMware VirtualCenter |
| Maximum Database Connection | 50 |

Tabelle 2 - Database Settings - vcenter01.ara-assistance.de

### 1.1.2 Mail Einstellungen

|  |  |
| --- | --- |
| SMTP Server | outlook.arcd.de |
| SMTP Port | 25 |
| Mail Sender | vcenter@ara-assistance.de |

Tabelle 3 - Mail Einstellungen - vcenter01.ara-assistance.de

### 1.1.3 Historische Statistiken

| Interval Duration | Interval Enabled | Save Duration | Statistics Level |
| --- | --- | --- | --- |
| 5 Minutes | True | Past day | 1 |
| 30 Minutes | True | Past week | 1 |
| 2 Hours | True | Past month | 1 |
| 1 Day | True | Past year | 1 |

Tabelle 4 - Historische Statistiken - vcenter01.ara-assistance.de

### 1.1.4 Lizenzen

| Product | License Key | Total | Used | Available | Expiration |
| --- | --- | --- | --- | --- | --- |
| Product Evaluation | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-00000-00000 | 0 | 0 | 0 | Never |
| vCenter Server 7 Standard | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-083KM-24A6H | 1 | 1 | 0 | Never |
| VMware vCenter Server 6 Standard | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-0R9KP-00P7N | 1 | 0 | 1 | Never |
| VMware vSphere 6 Standard | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-0382H-2MPNN | 2 | 2 | 0 | Never |
| VMware vSphere 6 Standard | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-0J8KK-2J67J | 6 | 4 | 2 | Never |
| vSphere 7 Standard | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-0232H-85UQH | 2 | 0 | 2 | Never |
| vSphere 7 Standard | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-0JCKM-98U5H | 6 | 0 | 6 | Never |

Tabelle 5 - Lizenzen - vcenter01.ara-assistance.de

### 1.1.5 Zertifikate

|  |  |
| --- | --- |
| Country | US |
| Email | vmca@vmware.com |
| Locality | Palo Alto |
| State | California |
| Organization | VMware |
| Organization Unit | VMware Engineering |
| Validity | 5 years |
| Mode | vmca |
| Soft Threshold | 240 days |
| Hard Threshold | 30 days |
| Minutes Before | 10 |
| Poll Interval | 5 days |

Tabelle 6 - Zertifikate - vcenter01.ara-assistance.de

### 1.1.6 Rolen

| Role | System Role |
| --- | --- |
| Admin | Yes |
| Anonymous | Yes |
| AutoUpdateUser | No |
| com.vmware.Content.Admin | No |
| com.vmware.Content.Registry.Admin | No |
| DatastoreConsumer | No |
| InventoryService.Tagging.TaggingAdmin | No |
| NetworkConsumer | No |
| NoCryptoAdmin | Yes |
| NoTrustedAdmin | Yes |
| NSOperatorController | No |
| NsxAdministrator | No |
| NsxAuditor | No |
| NsxViAdministrator | No |
| ReadOnly | Yes |
| ResourcePoolAdministrator | No |
| SupervisorServiceCluster | No |
| SupervisorServiceGlobal | No |
| SupervisorServiceRootFolder | No |
| SyncUsers | No |
| TrustedAdmin | Yes |
| vCLSAdmin | No |
| View | Yes |
| VirtualMachineConsoleUser | No |
| VirtualMachinePowerUser | No |
| VirtualMachineUser | No |
| VMOperatorController | No |
| VMOperatorControllerGlobal | No |
| VMServicesAdministrator | No |
| VMwareConsolidatedBackupUser | No |
| vSphere Client Solution User | No |
| vSphereKubernetesManager | No |
| vStatsAdmin | No |
| vStatsUser | No |
| WorkloadStorageManagement | No |

Tabelle 7 - Roles - vcenter01.ara-assistance.de

### 1.1.7 VM Storage Policies

| VM Storage Policy | Beschreibung |
| --- | --- |
| Host-local PMem Default Storage Policy | Storage policy used as default for Host-local PMem datastores |
| Management Storage policy - Encryption | Management Storage policy used for encrypting VM |
| Management Storage Policy - Large | Management Storage policy used for VMC large cluster |
| Management Storage Policy - Regular | Management Storage policy used for VMC regular cluster |
| Management Storage Policy - Single Node | Management Storage policy used for VMC single node cluster |
| Management Storage Policy - Stretched | Management Storage policy used for VMC stretched cluster |
| Management Storage Policy - Stretched Lite | Management Storage policy used for smaller VMC Stretched Cluster configuration. |
| Management Storage policy - Thin | Management Storage policy used for VMC regular cluster which requires THIN provisioning |
| VM Encryption Policy | Sample storage policy for VMware's VM and virtual disk encryption |
| vSAN Default Storage Policy | Storage policy used as default for vSAN datastores |
| VVol No Requirements Policy | Allow the datastore to determine the best placement strategy for storage objects |

Tabelle 8 - VM Storage Policies - vcenter01.ara-assistance.de

## 1.2 Cluster

Die folgenden Abschnitte beschreiben die Konfiguration des vSphere HA/DRS Clusters, der vom vCenter Server vcenter01.ara-assistance.de verwaltet wird.

### 1.2.1 CL\_BW

Die folgende Tabelle zeigt die Einstellungen für den Cluster CL\_BW.

|  |  |
| --- | --- |
| Cluster | CL\_BW |
| ID | ClusterComputeResource-domain-c50800 |
| Datacenter | ARA\_ARCD\_Datacenter |
| Number of Hosts | 2 |
| Number of VMs | 69 |
| vSphere HA | Enabled |
| vSphere DRS | Enabled |
| Virtual SAN | Disabled |
| EVC Mode | Disabled |
| VM Swap File Policy | Virtual machine directory |

Tabelle 9 - Cluster Configuration - CL\_BW

#### 1.2.1.1 vSphere HA Konfiguration

Der folgende Abschnitt beschreibt die vSphere HA Konfiguration für CL\_BW cluster.

##### 1.2.1.1.1 Fehler und Reaktionen

|  |  |
| --- | --- |
| Host Monitoring | Enabled |
| Host Failure Response | Restart VMs |
| Host Isolation Response | Disabled |
| VM Restart Priority | Medium |
| Datastore with Permanent Device Loss | Power off and restart VMs |
| Datastore with All Paths Down | Power off and restart VMs (conservative) |
| APD recovery after APD timeout | Disabled |
| VM Monitoring | Disabled |

Tabelle 10 - vSphere HA Failures and Responses - CL\_BW

##### 1.2.1.1.2 Admission Control

|  |  |
| --- | --- |
| Admission Control | Enabled |
| Host Failures Cluster Tolerates | 1 |
| Host Failover Capacity Policy | Cluster resource percentage |
| Override Calculated Failover Capacity | No |
| Slot Policy | Cover all powered-on virtual machines |
| Performance Degradation VMs Tolerate | 100% |

Tabelle 11 - vSphere HA Admission Control - CL\_BW

##### 1.2.1.1.3 Heartbeat Datastores

|  |  |
| --- | --- |
| Heartbeat Selection Policy | Use datastores from the specified list and complement automatically if needed |
| Heartbeat Datastores | None specified |

Tabelle 12 - vSphere HA Heartbeat Datastores - CL\_BW

#### 1.2.1.2 vSphere DRS Konfiguration

Die folgende Tabelle zeigt die vSphere DRS Konfiguration für Cluster CL\_BW.

|  |  |
| --- | --- |
| vSphere DRS | Enabled |
| Automation Level | Fully Automated |
| Migration Threshold | 3 |
| Predictive DRS | Disabled |
| Virtual Machine Automation | Enabled |

Tabelle 13 - vSphere DRS Configuration - CL\_BW

#### 1.2.1.2.1 Permissions

Die folgende Tabelle zeigt die Permissions für den Cluster CL\_BW.

| User/Group | Is Group? | Role | Defined In | Propagate |
| --- | --- | --- | --- | --- |
| ARA-ASSISTANCE\Administrator | No | Admin | Datacenters | Yes |
| ARA-ASSISTANCE\mhadmin | No | Admin | Datacenters | Yes |
| ARA-ASSISTANCE\veeambackup | No | Admin | Datacenters | Yes |
| VSPHERE.LOCAL\Administrator | No | Admin | Datacenters | Yes |
| VSPHERE.LOCAL\Administrators | Yes | Admin | Datacenters | Yes |
| VSPHERE.LOCAL\AutoUpdate | Yes | AutoUpdateUser | Datacenters | Yes |
| VSPHERE.LOCAL\NsxAdministrators | Yes | NsxAdministrator | Datacenters | Yes |
| VSPHERE.LOCAL\NsxAuditors | Yes | NsxAuditor | Datacenters | Yes |
| VSPHERE.LOCAL\NsxViAdministrators | Yes | NsxViAdministrator | Datacenters | Yes |
| VSPHERE.LOCAL\RegistryAdministrators | Yes | com.vmware.Content.Registry.Admin | Datacenters | Yes |
| VSPHERE.LOCAL\SyncUsers | Yes | SyncUsers | Datacenters | Yes |
| VSPHERE.LOCAL\TrustedAdmins | Yes | TrustedAdmin | Datacenters | Yes |
| VSPHERE.LOCAL\vpxd-ef5e5db5-a0be-4ae9-8324-89af11e8e6e6 | No | Admin | Datacenters | Yes |
| VSPHERE.LOCAL\vpxd-extension-ef5e5db5-a0be-4ae9-8324-89af11e8e6e6 | No | Admin | Datacenters | Yes |
| VSPHERE.LOCAL\vsphere-webclient-ef5e5db5-a0be-4ae9-8324-89af11e8e6e6 | No | vSphere Client Solution User | Datacenters | Yes |
| VSPHERE.LOCAL\vSphereClientSolutionUsers | Yes | vSphere Client Solution User | Datacenters | Yes |
| VSPHERE.LOCAL\vStatsGroup | Yes | vStatsAdmin | Datacenters | Yes |
| VSPHERE.LOCAL\WorkloadStorage | Yes | WorkloadStorageManagement | Datacenters | Yes |

Tabelle 14 - Permissions - CL\_BW

### 1.2.2 ESX\_CL\_AN

Die folgende Tabelle zeigt die Konfiguration für den Cluster ESX\_CL\_AN.

|  |  |
| --- | --- |
| Cluster | ESX\_CL\_AN |
| ID | ClusterComputeResource-domain-c26 |
| Datacenter | ARA\_ARCD\_Datacenter |
| Number of Hosts | 2 |
| Number of VMs | 24 |
| vSphere HA | Enabled |
| vSphere DRS | Disabled |
| Virtual SAN | Disabled |
| EVC Mode | Disabled |
| VM Swap File Policy | Virtual machine directory |

Tabelle 15 - Cluster Configuration - ESX\_CL\_AN

#### 1.2.2.1 vSphere HA Konfiguration

Der folgende Abschnitt beschreibt die vSphere HA configuration für den ESX\_CL\_AN Cluster.

##### 1.2.2.1.1 Fehler und Reaktionen

|  |  |
| --- | --- |
| Host Monitoring | Enabled |
| Host Failure Response | Restart VMs |
| Host Isolation Response | Disabled |
| VM Restart Priority | Medium |
| Datastore with Permanent Device Loss | Disabled |
| Datastore with All Paths Down | Disabled |
| APD recovery after APD timeout | Disabled |
| VM Monitoring | Disabled |

Tabelle 16 - vSphere HA Failures and Responses - ESX\_CL\_AN

##### 1.2.2.1.2 Admission Control

|  |  |
| --- | --- |
| Admission Control | Disabled |

Tabelle 17 - vSphere HA Admission Control - ESX\_CL\_AN

##### 1.2.2.1.3 Heartbeat Datastores

|  |  |
| --- | --- |
| Heartbeat Selection Policy | Use datastores from the specified list and complement automatically if needed |
| Heartbeat Datastores | None specified |

Tabelle 18 - vSphere HA Heartbeat Datastores - ESX\_CL\_AN

## 1.3 Resource Pools

Die folgenden Abschnitte beschreiben die Konfiguration der Resource Pools im vCenter Server vcenter01.ara-assistance.de.

### 1.3.1 Resources

|  |  |
| --- | --- |
| Resource Pool | Resources |
| ID | ResourcePool-resgroup-50801 |
| Parent | CL\_BW |
| CPU Shares Level | Normal |
| Number of CPU Shares | 4000 |
| CPU Reservation | 164872 MHz |
| CPU Expandable Reservation | Enabled |
| CPU Limit MHz | 164872 MHz |
| Memory Shares Level | Normal |
| Number of Memory Shares | 163840 |
| Memory Reservation | 1490.57 GB |
| Memory Expandable Reservation | Enabled |
| Memory Limit | 1490.57 GB |
| Number of VMs | 69 |

Tabelle 23 - Resource Pool Configuration - Resources

### 1.3.2 Resources

|  |  |
| --- | --- |
| Resource Pool | Resources |
| ID | ResourcePool-resgroup-27 |
| Parent | ESX\_CL\_AN |
| CPU Shares Level | Normal |
| Number of CPU Shares | 4000 |
| CPU Reservation | 32884 MHz |
| CPU Expandable Reservation | Enabled |
| CPU Limit MHz | 32884 MHz |
| Memory Shares Level | Normal |
| Number of Memory Shares | 163840 |
| Memory Reservation | 245.05 GB |
| Memory Expandable Reservation | Enabled |
| Memory Limit | 245.05 GB |
| Number of VMs | 24 |

Tabelle 24 - Resource Pool Configuration - Resources

### 1.3.3 Resources

|  |  |
| --- | --- |
| Resource Pool | Resources |
| ID | ResourcePool-resgroup-29 |
| Parent | ESX\_CL\_BW |
| CPU Shares Level | Normal |
| Number of CPU Shares | 4000 |
| CPU Reservation | 65968 MHz |
| CPU Expandable Reservation | Enabled |
| CPU Limit MHz | 65968 MHz |
| Memory Shares Level | Normal |
| Number of Memory Shares | 163840 |
| Memory Reservation | 550.91 GB |
| Memory Expandable Reservation | Enabled |
| Memory Limit | 550.91 GB |
| Number of VMs | 2 |

Tabelle 25 - Resource Pool Configuration - Resources

## 1.4 Hosts

Die folgenden Abschnitte beschreiben die Konfiguration der VMware ESXi hosts, die vomvCenter Server vcenter01.ara-assistance.de verwaltet werden.

### 1.4.1 esx01-bw.ara-assistance.de

#### 1.4.1.1 Hardware

Der folgende Abschnitt beschreibt the host hardware configuration for esx01-bw.ara-assistance.de.

|  |  |
| --- | --- |
| Host | esx01-bw.ara-assistance.de |
| Connection State | Connected |
| ID | HostSystem-host-50787 |
| Parent | CL\_BW |
| Manufacturer | FUJITSU |
| Model | PRIMERGY RX2540 M5 |
| Serial Number | EWAK014581 |
| Asset Tag | System Asset Tag |
| Processor Type | Intel(R) Xeon(R) Gold 6226R CPU @ 2.90GHz |
| HyperThreading | Enabled |
| Number of CPU Sockets | 2 |
| Number of CPU Cores | 32 |
| Number of CPU Threads | 64 |
| CPU Total / Used | 92.58 GHz / 12.23 GHz |
| Memory Total / Used | 766.59 GB / 118.13 GB |
| NUMA Nodes | 4 |
| Number of NICs | 8 |
| Number of HBAs | 7 |
| Number of Datastores | 5 |
| Number of VMs | 17 |
| Maximum EVC Mode | Intel® "Cascade Lake" Generation |
| EVC Graphics Mode | Not applicable |
| Power Management Policy | Balanced |
| Scratch Location | /vmfs/volumes/6183d3fb-35f69e04-254f-4c52624e8c33 |
| Bios Version | V5.0.0.14 R1.27.0 for D3384-B1x |
| Bios Release Date | 06/09/2021 00:00:00 |
| ESXi Version | 7.0.2 |
| ESXi Build | 17867351 |
| Boot Time | 11/15/2021 08:00:24 |
| Uptime Days | 3.14 |
| Product | Evaluation Mode |
| License Key | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-00000-00000 |
| License Expiration | 06.01.2022 |

Tabelle 26 - Hardware Configuration - esx01-bw.ara-assistance.de

##### 1.4.1.1.1 Boot Device

|  |  |
| --- | --- |
| Host | esx01-bw.ara-assistance.de |
| Device | naa.600e0004000e407029168d751aacf9d9 |
| Boot Type | Local |
| Vendor | FTS |
| Model | PRAID EP400i |
| Size | 446.62 GB |
| Is SAS | True |
| Is SSD | False |
| Is USB | False |

Tabelle 27 - Boot Device - esx01-bw.ara-assistance.de

##### 1.4.1.1.2 PCI Devices

| Device | PCI Address | Device Class | Device Name | Vendor Name | Slot Description |
| --- | --- | --- | --- | --- | --- |
| vmhba0 | 0000:00:11.5 | SATA controller | Lewisburg SATA AHCI Controller | Intel Corporation |  |
| vmhba1 | 0000:00:17.0 | SATA controller | Lewisburg SATA AHCI Controller | Intel Corporation |  |
| vmhba2 | 0000:5e:00.0 | RAID bus controller | MegaRAID SAS Invader Controller | Broadcom | SLOT 02 |
| vmhba3 | 0000:d9:00.0 | Fibre Channel | QLE2740 Single Port 32Gb Fibre Channel to PCIe Adapter | QLogic Corp | SLOT 11 |
| vmhba4 | 0000:d8:00.0 | Fibre Channel | QLE2740 Single Port 32Gb Fibre Channel to PCIe Adapter | QLogic Corp | SLOT 07 |
| vmnic0 | 0000:01:00.0 | Ethernet controller | I350 Gigabit Network Connection | Intel(R) | Intel i350 |
| vmnic1 | 0000:01:00.1 | Ethernet controller | I350 Gigabit Network Connection | Intel(R) | Intel i350 |
| vmnic2 | 0000:3e:00.0 | Ethernet controller | Ethernet Connection X722 for 10GBASE-T | Intel(R) | Flexible LOM Adapter |
| vmnic3 | 0000:3e:00.1 | Ethernet controller | Ethernet Connection X722 for 10GBASE-T | Intel(R) | Flexible LOM Adapter |
| vmnic4 | 0000:18:00.0 | Ethernet controller | Ethernet Controller X550 | Intel(R) | SLOT 04 |
| vmnic5 | 0000:18:00.1 | Ethernet controller | Ethernet Controller X550 | Intel(R) | SLOT 04 |
| vmnic6 | 0000:3b:00.0 | Ethernet controller | Ethernet Controller X550 | Intel(R) | SLOT 05 |
| vmnic7 | 0000:3b:00.1 | Ethernet controller | Ethernet Controller X550 | Intel(R) | SLOT 05 |

Tabelle 28 - PCI Devices - esx01-bw.ara-assistance.de

##### 1.4.1.1.3 PCI Devices Drivers & Firmware

| Device | Model | Driver | Driver Version | Firmware Version | VIB Name | VIB Version |
| --- | --- | --- | --- | --- | --- | --- |
| vmhba0 | Lewisburg SATA AHCI Controller | vmw\_ahci | 2.0.9-1vmw.702.0.0.17867351 | N/A | vmw-ahci | 2.0.9-1vmw.702.0.0.17867351 |
| vmhba1 | Lewisburg SATA AHCI Controller | vmw\_ahci | 2.0.9-1vmw.702.0.0.17867351 | N/A | vmw-ahci | 2.0.9-1vmw.702.0.0.17867351 |
| vmhba2 | MegaRAID SAS Invader Controller | lsi\_mr3 | 7.716.03.00-1vmw.702.0.0.17867351 | N/A | lsi-mr3 | 7.716.03.00-1vmw.702.0.0.17867351 |
| vmhba3 | QLE2740 Single Port 32Gb Fibre Channel to PCIe Adapter | qlnativefc | 4.1.22.0-1OEM.700.1.0.15843807 | N/A | qlnativefc | 4.1.22.0-1OEM.700.1.0.15843807 |
| vmhba4 | QLE2740 Single Port 32Gb Fibre Channel to PCIe Adapter | qlnativefc | 4.1.22.0-1OEM.700.1.0.15843807 | N/A | qlnativefc | 4.1.22.0-1OEM.700.1.0.15843807 |
| vmnic0 | I350 Gigabit Network Connection | igbn | 1.5.1.0-1OEM.700.1.0.15843807 | 1.63.0:0x80000ec5 | igbn | 1.5.1.0-1OEM.700.1.0.15843807 |
| vmnic1 | I350 Gigabit Network Connection | igbn | 1.5.1.0-1OEM.700.1.0.15843807 | 1.63.0:0x80000ec5 | igbn | 1.5.1.0-1OEM.700.1.0.15843807 |
| vmnic2 | Ethernet Connection X722 for 10GBASE-T | i40en | 1.10.9.0-1OEM.700.1.0.15525992 | 3.33 0x800010ef 1.1876.0 | i40en | 1.10.9.0-1OEM.700.1.0.15525992 |
| vmnic3 | Ethernet Connection X722 for 10GBASE-T | i40en | 1.10.9.0-1OEM.700.1.0.15525992 | 3.33 0x800010ef 1.1876.0 | i40en | 1.10.9.0-1OEM.700.1.0.15525992 |
| vmnic4 | Ethernet Controller X550 | ixgben | 1.8.9.0-1OEM.700.1.0.15525992 | 0x80000d0d, 1.2177.0 | ixgben | 1.8.9.0-1OEM.700.1.0.15525992 |
| vmnic5 | Ethernet Controller X550 | ixgben | 1.8.9.0-1OEM.700.1.0.15525992 | 0x80000d0d, 1.2177.0 | ixgben | 1.8.9.0-1OEM.700.1.0.15525992 |
| vmnic6 | Ethernet Controller X550 | ixgben | 1.8.9.0-1OEM.700.1.0.15525992 | 0x80000d0d, 1.2177.0 | ixgben | 1.8.9.0-1OEM.700.1.0.15525992 |
| vmnic7 | Ethernet Controller X550 | ixgben | 1.8.9.0-1OEM.700.1.0.15525992 | 0x80000d0d, 1.2177.0 | ixgben | 1.8.9.0-1OEM.700.1.0.15525992 |

Tabelle 29 - PCI Devices Drivers & Firmware - esx01-bw.ara-assistance.de

#### 1.4.1.2 System

Der folgende Abschnitt beschreibt die Host System Konfiguration für esx01-bw.ara-assistance.de.

##### 1.4.1.2.1 Image Profile

| Image Profile | Vendor | Installation Date |
| --- | --- | --- |
| (Updated) FJT-Addon-for-FujitsuCustomImage\_7.0.2-520.1.0 | Fujitsu | 11/04/2021 13:32:40 |

Tabelle 30 - Image Profile - esx01-bw.ara-assistance.de

##### 1.4.1.2.2 Time Configuration

| Time Zone | NTP Service | NTP Server(s) |
| --- | --- | --- |
| UTC | Running | 10.101.35.1 |

Tabelle 31 - Time Configuration - esx01-bw.ara-assistance.de

#### 1.4.1.3 Storage

Der folgende Abschnitt beschreibt die Host Storage Konfiguration für esx01-bw.ara-assistance.de.

##### 1.4.1.3.1 Datastores

| Datastore | Type | Version | # of VMs | Total Capacity GB | Used Capacity GB | Free Space GB | % Used |
| --- | --- | --- | --- | --- | --- | --- | --- |
| esx01\_local | VMFS | 6.82 | 0 | 318.5 | 1.43 | 317.07 | 0.45 |
| VMW-VOL01 | VMFS | 6.82 | 17 | 3071.75 | 1762.08 | 1309.67 | 57.36 |
| VMW-VOL02 | VMFS | 6.82 | 15 | 3071.75 | 2108.76 | 962.99 | 68.65 |
| VMW-VOL03 | VMFS | 6.82 | 13 | 3071.75 | 1787.45 | 1284.30 | 58.19 |
| VMW-VOL04 | VMFS | 6.82 | 25 | 4095.75 | 2821.04 | 1274.71 | 68.88 |

Tabelle 32 - Datastores - esx01-bw.ara-assistance.de

##### 1.4.1.3.2 Storage Adapter

Der folgende Abschnitt beschreibt die Storage Adapter Konfiguration für esx01-bw.ara-assistance.de.

##### 1.4.1.3.2.1 vmhba0

|  |  |
| --- | --- |
| Adapter | vmhba0 |
| Type | Block |
| Model | Lewisburg SATA AHCI Controller |
| Status | Unknown |
| Targets | 0 |
| Devices | 0 |
| Paths | 0 |

Tabelle 33 - Storage Adapter vmhba0 - esx01-bw.ara-assistance.de

##### 1.4.1.3.2.2 vmhba1

|  |  |
| --- | --- |
| Adapter | vmhba1 |
| Type | Block |
| Model | Lewisburg SATA AHCI Controller |
| Status | Unknown |
| Targets | 0 |
| Devices | 0 |
| Paths | 0 |

Tabelle 34 - Storage Adapter vmhba1 - esx01-bw.ara-assistance.de

##### 1.4.1.3.2.3 vmhba2

|  |  |
| --- | --- |
| Adapter | vmhba2 |
| Type | Block |
| Model | MegaRAID SAS Invader Controller |
| Status | Unknown |
| Targets | 1 |
| Devices | 1 |
| Paths | 1 |

Tabelle 35 - Storage Adapter vmhba2 - esx01-bw.ara-assistance.de

##### 1.4.1.3.2.4 vmhba3

|  |  |
| --- | --- |
| Adapter | vmhba3 |
| Type | Fibre Channel |
| Model | QLE2740 Single Port 32Gb Fibre Channel to PCIe Adapter |
| Status | Online |
| Targets | 4 |
| Devices | 4 |
| Paths | 16 |
| Node WWN | 20:00:34:80:0D:3E:D4:07 |
| Port WWN | 21:00:34:80:0D:3E:D4:07 |
| Speed | 32 |

Tabelle 36 - Storage Adapter vmhba3 - esx01-bw.ara-assistance.de

##### 1.4.1.3.2.5 vmhba32

|  |  |
| --- | --- |
| Adapter | vmhba32 |
| Type | Block |
| Model | USB Storage Controller |
| Status | Unknown |
| Targets | 1 |
| Devices | 0 |
| Paths | 2 |

Tabelle 37 - Storage Adapter vmhba32 - esx01-bw.ara-assistance.de

##### 1.4.1.3.2.6 vmhba4

|  |  |
| --- | --- |
| Adapter | vmhba4 |
| Type | Fibre Channel |
| Model | QLE2740 Single Port 32Gb Fibre Channel to PCIe Adapter |
| Status | Online |
| Targets | 4 |
| Devices | 4 |
| Paths | 16 |
| Node WWN | 20:00:00:24:FF:1D:B4:9F |
| Port WWN | 21:00:00:24:FF:1D:B4:9F |
| Speed | 32 |

Tabelle 38 - Storage Adapter vmhba4 - esx01-bw.ara-assistance.de

##### 1.4.1.3.2.7 vmhba64

|  |  |
| --- | --- |
| Adapter | vmhba64 |
| Type | Fibre Channel |
| Model | QLE2740 Single Port 32Gb Fibre Channel to PCIe Adapter |
| Status | Online |
| Targets | 0 |
| Devices | 0 |
| Paths | 0 |
| Node WWN | 20:00:34:80:0D:3E:D4:07 |
| Port WWN | 21:00:34:80:0D:3E:D4:07 |
| Speed | 32 |

Tabelle 39 - Storage Adapter vmhba64 - esx01-bw.ara-assistance.de

##### 1.4.1.3.2.8 vmhba65

|  |  |
| --- | --- |
| Adapter | vmhba65 |
| Type | Fibre Channel |
| Model | QLE2740 Single Port 32Gb Fibre Channel to PCIe Adapter |
| Status | Online |
| Targets | 0 |
| Devices | 0 |
| Paths | 0 |
| Node WWN | 20:00:00:24:FF:1D:B4:9F |
| Port WWN | 21:00:00:24:FF:1D:B4:9F |
| Speed | 32 |

Tabelle 40 - Storage Adapter vmhba65 - esx01-bw.ara-assistance.de

#### 1.4.1.4 Network

Der folgende Abschnitt beschreibt das Host Netzwerk von esx01-bw.ara-assistance.de.

|  |  |
| --- | --- |
| Host | esx01-bw.ara-assistance.de |
| Virtual Switches | vSwitch0, vSwitch1, vSwitch2 |
| VMkernel Adapters | vmk0, vmk1, vmk2 |
| Physical Adapters | vmnic0, vmnic1, vmnic2, vmnic3, vmnic4, vmnic5, vmnic6, vmnic7 |
| VMkernel Gateway | 192.168.20.1 |
| IPv6 | Disabled |
| VMkernel IPv6 Gateway | -- |
| DNS Servers | 10.101.35.1, 10.101.35.2 |
| Host Name | esx01-bw |
| Domain Name |  |
| Search Domain | ara-assistance.de |

Tabelle 41 - Network Configuration - esx01-bw.ara-assistance.de

##### 1.4.1.4.1 Physical Adapters

Der folgende Abschnitt beschreibt die physical network adapter von esx01-bw.ara-assistance.de.

| Adapter | Status | Virtual Switch | MAC Address | Actual Speed, Duplex | Configured Speed, Duplex | Wake on LAN |
| --- | --- | --- | --- | --- | --- | --- |
| vmnic0 | Connected | vSwitch0 | 4c:52:62:4e:8c:33 | 1000 Mbps, Full Duplex | Auto negotiate | Supported |
| vmnic1 | Connected | vSwitch0 | 4c:52:62:4e:8c:34 | 1000 Mbps, Full Duplex | Auto negotiate | Supported |
| vmnic2 | Connected | vSwitch1 | 4c:52:62:51:47:cd | 10000 Mbps, Full Duplex | Auto negotiate | Supported |
| vmnic3 | Connected | vSwitch1 | 4c:52:62:51:47:ce | 1000 Mbps, Full Duplex | Auto negotiate | Not Supported |
| vmnic4 | Disconnected | vSwitch1 | b4:96:91:9c:a3:50 | Down | Auto negotiate | Not Supported |
| vmnic5 | Connected | vSwitch2 | b4:96:91:9c:a3:51 | 1000 Mbps, Full Duplex | Auto negotiate | Not Supported |
| vmnic6 | Connected | vSwitch1 | b4:96:91:9c:a3:3c | 1000 Mbps, Full Duplex | Auto negotiate | Not Supported |
| vmnic7 | Connected | vSwitch2 | b4:96:91:9c:a3:3d | 1000 Mbps, Full Duplex | Auto negotiate | Not Supported |

Tabelle 42 - Physical Adapters - esx01-bw.ara-assistance.de

##### 1.4.1.4.2 VMkernel Adapters

Der folgende Abschnitt beschreibt alle VMkernel adapter von esx01-bw.ara-assistance.de

##### 1.4.1.4.2.1 vmk0

|  |  |
| --- | --- |
| Adapter | vmk0 |
| Network Label | Management Network |
| Virtual Switch | vSwitch0 |
| TCP/IP Stack | Default |
| MTU | 1500 |
| MAC Address | 4c:52:62:4e:8c:33 |
| DHCP | Disabled |
| IP Address | 192.168.20.120 |
| Subnet Mask | 255.255.255.0 |
| Default Gateway |  |
| vMotion | Disabled |
| Provisioning | Disabled |
| FT Logging | Disabled |
| Management | Enabled |
| vSphere Replication | Disabled |
| vSphere Replication NFC | Disabled |
| vSAN | Disabled |
| vSAN Witness | Disabled |
| vSphere Backup NFC | Disabled |

Tabelle 43 - VMkernel Adapter vmk0 - esx01-bw.ara-assistance.de

##### 1.4.1.4.2.2 vmk1

|  |  |
| --- | --- |
| Adapter | vmk1 |
| Network Label | vMotion1 |
| Virtual Switch | vSwitch0 |
| TCP/IP Stack | Default |
| MTU | 1500 |
| MAC Address | 00:50:56:67:8a:5f |
| DHCP | Disabled |
| IP Address | 192.168.13.120 |
| Subnet Mask | 255.255.255.0 |
| Default Gateway | -- |
| vMotion | Enabled |
| Provisioning | Disabled |
| FT Logging | Disabled |
| Management | Disabled |
| vSphere Replication | Disabled |
| vSphere Replication NFC | Disabled |
| vSAN | Disabled |
| vSAN Witness | Disabled |
| vSphere Backup NFC | Disabled |

Tabelle 44 - VMkernel Adapter vmk1 - esx01-bw.ara-assistance.de

##### 1.4.1.4.2.3 vmk2

|  |  |
| --- | --- |
| Adapter | vmk2 |
| Network Label | vMotion2 |
| Virtual Switch | vSwitch0 |
| TCP/IP Stack | Default |
| MTU | 1500 |
| MAC Address | 00:50:56:67:df:8e |
| DHCP | Disabled |
| IP Address | 192.168.13.121 |
| Subnet Mask | 255.255.255.0 |
| Default Gateway | -- |
| vMotion | Enabled |
| Provisioning | Disabled |
| FT Logging | Disabled |
| Management | Disabled |
| vSphere Replication | Disabled |
| vSphere Replication NFC | Disabled |
| vSAN | Disabled |
| vSAN Witness | Disabled |
| vSphere Backup NFC | Disabled |

Tabelle 45 - VMkernel Adapter vmk2 - esx01-bw.ara-assistance.de

##### 1.4.1.4.3 Standard Virtual Switche

Der folgende Abschnitt beschreibt die standard virtual switch Konfiguration von esx01-bw.ara-assistance.de.

| Virtual Switch | MTU | Number of Ports | Number of Ports Available |
| --- | --- | --- | --- |
| vSwitch0 | 1500 | 7413 | 7358 |
| vSwitch1 | 1500 | 7413 | 7358 |
| vSwitch2 | 1500 | 7413 | 7358 |

Tabelle 46 - Standard Virtual Switches - esx01-bw.ara-assistance.de

##### 1.4.1.4.3.1 Virtual Switch Security

| Virtual Switch | Promiscuous Mode | MAC Address Changes | Forged Transmits |
| --- | --- | --- | --- |
| vSwitch0 | Reject | Reject | Reject |
| vSwitch1 | Reject | Reject | Reject |
| vSwitch2 | Reject | Reject | Reject |

Tabelle 47 - Virtual Switch Security Policy - esx01-bw.ara-assistance.de

##### 1.4.1.4.3.2 Virtual Switch Traffic Shaping

| Virtual Switch | Status | Average Bandwidth (kbit/s) | Peak Bandwidth (kbit/s) | Burst Size (KB) |
| --- | --- | --- | --- | --- |
| vSwitch0 | Disabled |  |  |  |
| vSwitch1 | Disabled |  |  |  |
| vSwitch2 | Disabled |  |  |  |

Tabelle 48 - Virtual Switch Traffic Shaping Policy - esx01-bw.ara-assistance.de

##### 1.4.1.4.3.3 Virtual Switch Teaming & Failover

| Virtual Switch | Load Balancing | Network Failure Detection | Notify Switches | Failback | Active NICs | Standby NICs | Unused NICs |
| --- | --- | --- | --- | --- | --- | --- | --- |
| vSwitch0 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic0 vmnic1 |  |  |
| vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic2 vmnic4 | vmnic3 vmnic6 |  |
| vSwitch2 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic5 vmnic7 |  |  |

Tabelle 49 - Virtual Switch Teaming & Failover - esx01-bw.ara-assistance.de

##### 1.4.1.4.3.4 Virtual Switch Port Groups

| Port Group | VLAN ID | Virtual Switch | # of VMs |
| --- | --- | --- | --- |
| 31\_ARCD\_SERVER | 31 | vSwitch1 | 3 |
| 35\_ARA\_SERVER | 35 | vSwitch1 | 10 |
| 41\_ARCD\_CLIENT | 41 | vSwitch1 | 0 |
| 45\_ARA\_CLIENT | 45 | vSwitch1 | 0 |
| ARA\_LAN | 2 | vSwitch1 | 3 |
| ARA\_SERVER | 16 | vSwitch1 | 0 |
| ARCD\_LAN | 0 | vSwitch1 | 2 |
| DMZ | 27 | vSwitch2 | 0 |
| DMZ-10 | 3 | vSwitch2 | 1 |
| DMZ-200 | 4 | vSwitch2 | 2 |
| EXCHANGE | 17 | vSwitch1 | 1 |
| Management Network | 0 | vSwitch0 | 0 |
| TK\_CIENT | 25 | vSwitch1 | 0 |
| TK\_SERVER | 24 | vSwitch1 | 2 |
| TK-LAN | 8 | vSwitch2 | 0 |
| vMotion1 | 10 | vSwitch0 | 0 |
| vMotion2 | 10 | vSwitch0 | 0 |

Tabelle 50 - Virtual Switch Port Groups - esx01-bw.ara-assistance.de

##### 1.4.1.4.3.5 Virtual Switch Port Group Security

| Port Group | Virtual Switch | Promiscuous Mode | MAC Changes | Forged Transmits |
| --- | --- | --- | --- | --- |
| 31\_ARCD\_SERVER | vSwitch1 | Reject | Reject | Reject |
| 35\_ARA\_SERVER | vSwitch1 | Reject | Reject | Reject |
| 41\_ARCD\_CLIENT | vSwitch1 | Reject | Reject | Reject |
| 45\_ARA\_CLIENT | vSwitch1 | Reject | Reject | Reject |
| ARA\_LAN | vSwitch1 | Reject | Reject | Reject |
| ARA\_SERVER | vSwitch1 | Reject | Reject | Reject |
| ARCD\_LAN | vSwitch1 | Reject | Reject | Reject |
| DMZ | vSwitch2 | Reject | Reject | Reject |
| DMZ-10 | vSwitch2 | Reject | Reject | Reject |
| DMZ-200 | vSwitch2 | Reject | Reject | Reject |
| EXCHANGE | vSwitch1 | Reject | Reject | Reject |
| Management Network | vSwitch0 | Reject | Reject | Reject |
| TK\_CIENT | vSwitch1 | Reject | Reject | Reject |
| TK\_SERVER | vSwitch1 | Reject | Reject | Reject |
| TK-LAN | vSwitch2 | Reject | Reject | Reject |
| vMotion1 | vSwitch0 | Reject | Reject | Reject |
| vMotion2 | vSwitch0 | Reject | Reject | Reject |

Tabelle 51 - Virtual Switch Port Group Security Policy - esx01-bw.ara-assistance.de

##### 1.4.1.4.3.6 Virtual Switch Port Group Traffic Shaping

| Port Group | Virtual Switch | Status | Average Bandwidth (kbit/s) | Peak Bandwidth (kbit/s) | Burst Size (KB) |
| --- | --- | --- | --- | --- | --- |
| 31\_ARCD\_SERVER | vSwitch1 | Inherited |  |  |  |
| 35\_ARA\_SERVER | vSwitch1 | Inherited |  |  |  |
| 41\_ARCD\_CLIENT | vSwitch1 | Inherited |  |  |  |
| 45\_ARA\_CLIENT | vSwitch1 | Inherited |  |  |  |
| ARA\_LAN | vSwitch1 | Inherited |  |  |  |
| ARA\_SERVER | vSwitch1 | Inherited |  |  |  |
| ARCD\_LAN | vSwitch1 | Inherited |  |  |  |
| DMZ | vSwitch2 | Inherited |  |  |  |
| DMZ-10 | vSwitch2 | Inherited |  |  |  |
| DMZ-200 | vSwitch2 | Inherited |  |  |  |
| EXCHANGE | vSwitch1 | Inherited |  |  |  |
| Management Network | vSwitch0 | Inherited |  |  |  |
| TK\_CIENT | vSwitch1 | Inherited |  |  |  |
| TK\_SERVER | vSwitch1 | Inherited |  |  |  |
| TK-LAN | vSwitch2 | Inherited |  |  |  |
| vMotion1 | vSwitch0 | Inherited |  |  |  |
| vMotion2 | vSwitch0 | Inherited |  |  |  |

Tabelle 52 - Virtual Switch Port Group Traffic Shaping Policy - esx01-bw.ara-assistance.de

##### 1.4.1.4.3.7 Virtual Switch Port Group Teaming & Failover

| Port Group | Virtual Switch | Load Balancing | Network Failure Detection | Notify Switches | Failback | Active NICs | Standby NICs | Unused NICs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 31\_ARCD\_SERVER | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic2 vmnic4 | vmnic3 vmnic6 |  |
| 35\_ARA\_SERVER | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic2 vmnic4 | vmnic3 vmnic6 |  |
| 41\_ARCD\_CLIENT | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic2 vmnic4 | vmnic3 vmnic6 |  |
| 45\_ARA\_CLIENT | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic2 vmnic4 | vmnic3 vmnic6 |  |
| ARA\_LAN | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic2 vmnic4 | vmnic3 vmnic6 |  |
| ARA\_SERVER | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic2 vmnic4 | vmnic3 vmnic6 |  |
| ARCD\_LAN | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic2 vmnic4 | vmnic3 vmnic6 |  |
| DMZ | vSwitch2 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic5 vmnic7 |  |  |
| DMZ-10 | vSwitch2 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic5 vmnic7 |  |  |
| DMZ-200 | vSwitch2 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic5 vmnic7 |  |  |
| EXCHANGE | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic2 vmnic4 | vmnic3 vmnic6 |  |
| Management Network | vSwitch0 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic0 | vmnic1 |  |
| TK\_CIENT | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic2 vmnic4 | vmnic3 vmnic6 |  |
| TK\_SERVER | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic2 vmnic4 | vmnic3 vmnic6 |  |
| TK-LAN | vSwitch2 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic5 vmnic7 |  |  |
| vMotion1 | vSwitch0 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic0 vmnic1 |  |  |
| vMotion2 | vSwitch0 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic0 vmnic1 |  |  |

Tabelle 53 - Virtual Switch Port Group Teaming & Failover - esx01-bw.ara-assistance.de

#### 1.4.1.5 Security

Der folgende Abschnitt beschreibt die host security Konfiguration von esx01-bw.ara-assistance.de.

##### 1.4.1.5.1 Lockdown Mode

|  |  |
| --- | --- |
| Lockdown Mode | Disabled |

Tabelle 54 - Lockdown Mode - esx01-bw.ara-assistance.de

##### 1.4.1.5.2 Services

| Service | Daemon | Startup Policy |
| --- | --- | --- |
| Active Directory Service | Stopped | Start and stop manually |
| attestd | Stopped | Start and stop manually |
| CIM Server | Running | Start and stop with host |
| Direct Console UI | Running | Start and stop with host |
| ESXi Shell | Stopped | Start and stop manually |
| kmxd | Stopped | Start and stop manually |
| Load-Based Teaming Daemon | Running | Start and stop with host |
| NTP Daemon | Running | Start and stop with host |
| PC/SC Smart Card Daemon | Stopped | Start and stop manually |
| PTP Daemon | Stopped | Start and stop manually |
| slpd | Running | Start and stop with host |
| SNMP Server | Stopped | Start and stop with host |
| SSH | Stopped | Start and stop manually |
| Syslog Server | Running | Start and stop with host |
| VMware vCenter Agent | Running | Start and stop with host |
| vSphere High Availability Agent | Running | Start and stop with host |
| X.Org Server | Stopped | Start and stop with host |

Tabelle 55 - Services - esx01-bw.ara-assistance.de

### 1.4.2 esx02-bw.ara-assistance.de

#### 1.4.2.1 Hardware

Der folgende Abschnitt beschreibt die Host Hardware von esx02-bw.ara-assistance.de.

|  |  |
| --- | --- |
| Host | esx02-bw.ara-assistance.de |
| Connection State | Connected |
| ID | HostSystem-host-50793 |
| Parent | CL\_BW |
| Manufacturer | FUJITSU |
| Model | PRIMERGY RX2540 M5 |
| Serial Number | -- |
| Asset Tag | System Asset Tag |
| Processor Type | Intel(R) Xeon(R) Gold 6226R CPU @ 2.90GHz |
| HyperThreading | Enabled |
| Number of CPU Sockets | 2 |
| Number of CPU Cores | 32 |
| Number of CPU Threads | 64 |
| CPU Total / Used | 92.58 GHz / 11.59 GHz |
| Memory Total / Used | 766.59 GB / 376.30 GB |
| NUMA Nodes | 4 |
| Number of NICs | 8 |
| Number of HBAs | 7 |
| Number of Datastores | 9 |
| Number of VMs | 52 |
| Maximum EVC Mode | Intel® "Cascade Lake" Generation |
| EVC Graphics Mode | Not applicable |
| Power Management Policy | Balanced |
| Scratch Location | /vmfs/volumes/6183d648-f59bcf9c-9d2f-4c52624e8cbd |
| Bios Version | V5.0.0.14 R1.27.0 for D3384-B1x |
| Bios Release Date | 06/09/2021 00:00:00 |
| ESXi Version | 7.0.2 |
| ESXi Build | 17867351 |
| Boot Time | 11/04/2021 13:22:22 |
| Uptime Days | 13.91 |
| Product | Evaluation Mode |
| License Key | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-00000-00000 |
| License Expiration | 03.01.2022 |

Tabelle 56 - Hardware Configuration - esx02-bw.ara-assistance.de

##### 1.4.2.1.1 Boot Device

|  |  |
| --- | --- |
| Host | esx02-bw.ara-assistance.de |
| Device | naa.600e0004000e16c029168e6d66bd74be |
| Boot Type | Local |
| Vendor | FTS |
| Model | PRAID EP400i |
| Size | 446.62 GB |
| Is SAS | True |
| Is SSD | False |
| Is USB | False |

Tabelle 57 - Boot Device - esx02-bw.ara-assistance.de

##### 1.4.2.1.2 PCI Devices

| Device | PCI Address | Device Class | Device Name | Vendor Name | Slot Description |
| --- | --- | --- | --- | --- | --- |
| vmhba0 | 0000:00:11.5 | SATA controller | Lewisburg SATA AHCI Controller | Intel Corporation |  |
| vmhba1 | 0000:00:17.0 | SATA controller | Lewisburg SATA AHCI Controller | Intel Corporation |  |
| vmhba2 | 0000:5e:00.0 | RAID bus controller | MegaRAID SAS Invader Controller | Broadcom | SLOT 02 |
| vmhba3 | 0000:af:00.0 | Fibre Channel | QLE2740 Single Port 32Gb Fibre Channel to PCIe Adapter | QLogic Corp | SLOT 10 |
| vmhba4 | 0000:d8:00.0 | Fibre Channel | QLE2740 Single Port 32Gb Fibre Channel to PCIe Adapter | QLogic Corp | SLOT 11 |
| vmnic0 | 0000:01:00.0 | Ethernet controller | I350 Gigabit Network Connection | Intel(R) | Intel i350 |
| vmnic1 | 0000:01:00.1 | Ethernet controller | I350 Gigabit Network Connection | Intel(R) | Intel i350 |
| vmnic2 | 0000:3e:00.0 | Ethernet controller | Ethernet Connection X722 for 10GBASE-T | Intel(R) | Flexible LOM Adapter |
| vmnic3 | 0000:3e:00.1 | Ethernet controller | Ethernet Connection X722 for 10GBASE-T | Intel(R) | Flexible LOM Adapter |
| vmnic4 | 0000:18:00.0 | Ethernet controller | Ethernet Controller X550 | Intel(R) | SLOT 04 |
| vmnic5 | 0000:18:00.1 | Ethernet controller | Ethernet Controller X550 | Intel(R) | SLOT 04 |
| vmnic6 | 0000:3b:00.0 | Ethernet controller | Ethernet Controller X550 | Intel(R) | SLOT 05 |
| vmnic7 | 0000:3b:00.1 | Ethernet controller | Ethernet Controller X550 | Intel(R) | SLOT 05 |

Tabelle 58 - PCI Devices - esx02-bw.ara-assistance.de

##### 1.4.2.1.3 PCI Devices Drivers & Firmware

| Device | Model | Driver | Driver Version | Firmware Version | VIB Name | VIB Version |
| --- | --- | --- | --- | --- | --- | --- |
| vmhba0 | Lewisburg SATA AHCI Controller | vmw\_ahci | 2.0.9-1vmw.702.0.0.17867351 | N/A | vmw-ahci | 2.0.9-1vmw.702.0.0.17867351 |
| vmhba1 | Lewisburg SATA AHCI Controller | vmw\_ahci | 2.0.9-1vmw.702.0.0.17867351 | N/A | vmw-ahci | 2.0.9-1vmw.702.0.0.17867351 |
| vmhba2 | MegaRAID SAS Invader Controller | lsi\_mr3 | 7.716.03.00-1vmw.702.0.0.17867351 | N/A | lsi-mr3 | 7.716.03.00-1vmw.702.0.0.17867351 |
| vmhba3 | QLE2740 Single Port 32Gb Fibre Channel to PCIe Adapter | qlnativefc | 4.1.22.0-1OEM.700.1.0.15843807 | N/A | qlnativefc | 4.1.22.0-1OEM.700.1.0.15843807 |
| vmhba4 | QLE2740 Single Port 32Gb Fibre Channel to PCIe Adapter | qlnativefc | 4.1.22.0-1OEM.700.1.0.15843807 | N/A | qlnativefc | 4.1.22.0-1OEM.700.1.0.15843807 |
| vmnic0 | I350 Gigabit Network Connection | igbn | 1.5.1.0-1OEM.700.1.0.15843807 | 1.63.0:0x80000ec5 | igbn | 1.5.1.0-1OEM.700.1.0.15843807 |
| vmnic1 | I350 Gigabit Network Connection | igbn | 1.5.1.0-1OEM.700.1.0.15843807 | 1.63.0:0x80000ec5 | igbn | 1.5.1.0-1OEM.700.1.0.15843807 |
| vmnic2 | Ethernet Connection X722 for 10GBASE-T | i40en | 1.10.9.0-1OEM.700.1.0.15525992 | 3.33 0x800010ef 1.1876.0 | i40en | 1.10.9.0-1OEM.700.1.0.15525992 |
| vmnic3 | Ethernet Connection X722 for 10GBASE-T | i40en | 1.10.9.0-1OEM.700.1.0.15525992 | 3.33 0x800010ef 1.1876.0 | i40en | 1.10.9.0-1OEM.700.1.0.15525992 |
| vmnic4 | Ethernet Controller X550 | ixgben | 1.8.9.0-1OEM.700.1.0.15525992 | 0x80000d0d, 1.2177.0 | ixgben | 1.8.9.0-1OEM.700.1.0.15525992 |
| vmnic5 | Ethernet Controller X550 | ixgben | 1.8.9.0-1OEM.700.1.0.15525992 | 0x80000d0d, 1.2177.0 | ixgben | 1.8.9.0-1OEM.700.1.0.15525992 |
| vmnic6 | Ethernet Controller X550 | ixgben | 1.8.9.0-1OEM.700.1.0.15525992 | 0x80000d0d, 1.2177.0 | ixgben | 1.8.9.0-1OEM.700.1.0.15525992 |
| vmnic7 | Ethernet Controller X550 | ixgben | 1.8.9.0-1OEM.700.1.0.15525992 | 0x80000d0d, 1.2177.0 | ixgben | 1.8.9.0-1OEM.700.1.0.15525992 |

Tabelle 59 - PCI Devices Drivers & Firmware - esx02-bw.ara-assistance.de

#### 1.4.2.2 System

Der folgende Abschnitt beschreibt die Host System Konfiguration von esx02-bw.ara-assistance.de.

##### 1.4.2.2.1 Image Profile

| Image Profile | Vendor | Installation Date |
| --- | --- | --- |
| (Updated) FJT-Addon-for-FujitsuCustomImage\_7.0.2-520.1.0 | Fujitsu | 11/04/2021 13:42:58 |

Tabelle 60 - Image Profile - esx02-bw.ara-assistance.de

##### 1.4.2.2.2 Time Configuration

| Time Zone | NTP Service | NTP Server(s) |
| --- | --- | --- |
| UTC | Stopped | 10.101.35.1 |

Tabelle 61 - Time Configuration - esx02-bw.ara-assistance.de

#### 1.4.2.3 Storage

Der folgende Abschnitt beschreibt die Host Storage Konfiguration von esx02-bw.ara-assistance.de.

##### 1.4.2.3.1 Datastores

| Datastore | Type | Version | # of VMs | Total Capacity GB | Used Capacity GB | Free Space GB | % Used |
| --- | --- | --- | --- | --- | --- | --- | --- |
| esx02\_local | VMFS | 6.82 | 0 | 318.5 | 1.43 | 317.07 | 0.45 |
| SAS\_VMDK10 | VMFS | 5.61 | 11 | 2047.75 | 136.31 | 1911.44 | 6.66 |
| SAS\_VMDK11 | VMFS | 5.61 | 1 | 2047.75 | 253.50 | 1794.25 | 12.38 |
| SAS\_VMDK12 | VMFS | 5.61 | 0 | 3481.5 | 0.97 | 3480.53 | 0.03 |
| SSD\_VMDK1 | VMFS | 5.61 | 0 | 2559.75 | 8.57 | 2551.18 | 0.33 |
| VMW-VOL01 | VMFS | 6.82 | 17 | 3071.75 | 1762.08 | 1309.67 | 57.36 |
| VMW-VOL02 | VMFS | 6.82 | 15 | 3071.75 | 2108.76 | 962.99 | 68.65 |
| VMW-VOL03 | VMFS | 6.82 | 13 | 3071.75 | 1787.45 | 1284.30 | 58.19 |
| VMW-VOL04 | VMFS | 6.82 | 25 | 4095.75 | 2821.04 | 1274.71 | 68.88 |

Tabelle 62 - Datastores - esx02-bw.ara-assistance.de

##### 1.4.2.3.2 Storage Adapters

Der folgende Abschnitt beschreibt die Storage Adapter Konfiguration von esx02-bw.ara-assistance.de.

##### 1.4.2.3.2.1 vmhba0

|  |  |
| --- | --- |
| Adapter | vmhba0 |
| Type | Block |
| Model | Lewisburg SATA AHCI Controller |
| Status | Unknown |
| Targets | 0 |
| Devices | 0 |
| Paths | 0 |

Tabelle 63 - Storage Adapter vmhba0 - esx02-bw.ara-assistance.de

##### 1.4.2.3.2.2 vmhba1

|  |  |
| --- | --- |
| Adapter | vmhba1 |
| Type | Block |
| Model | Lewisburg SATA AHCI Controller |
| Status | Unknown |
| Targets | 0 |
| Devices | 0 |
| Paths | 0 |

Tabelle 64 - Storage Adapter vmhba1 - esx02-bw.ara-assistance.de

##### 1.4.2.3.2.3 vmhba2

|  |  |
| --- | --- |
| Adapter | vmhba2 |
| Type | Block |
| Model | MegaRAID SAS Invader Controller |
| Status | Unknown |
| Targets | 1 |
| Devices | 1 |
| Paths | 1 |

Tabelle 65 - Storage Adapter vmhba2 - esx02-bw.ara-assistance.de

##### 1.4.2.3.2.4 vmhba3

|  |  |
| --- | --- |
| Adapter | vmhba3 |
| Type | Fibre Channel |
| Model | QLE2740 Single Port 32Gb Fibre Channel to PCIe Adapter |
| Status | Online |
| Targets | 6 |
| Devices | 8 |
| Paths | 24 |
| Node WWN | 20:00:34:80:0D:3E:ED:31 |
| Port WWN | 21:00:34:80:0D:3E:ED:31 |
| Speed | 32 |

Tabelle 66 - Storage Adapter vmhba3 - esx02-bw.ara-assistance.de

##### 1.4.2.3.2.5 vmhba4

|  |  |
| --- | --- |
| Adapter | vmhba4 |
| Type | Fibre Channel |
| Model | QLE2740 Single Port 32Gb Fibre Channel to PCIe Adapter |
| Status | Online |
| Targets | 7 |
| Devices | 8 |
| Paths | 28 |
| Node WWN | 20:00:34:80:0D:3E:ED:37 |
| Port WWN | 21:00:34:80:0D:3E:ED:37 |
| Speed | 32 |

Tabelle 67 - Storage Adapter vmhba4 - esx02-bw.ara-assistance.de

##### 1.4.2.3.2.6 vmhba64

|  |  |
| --- | --- |
| Adapter | vmhba64 |
| Type | Fibre Channel |
| Model | QLE2740 Single Port 32Gb Fibre Channel to PCIe Adapter |
| Status | Online |
| Targets | 0 |
| Devices | 0 |
| Paths | 0 |
| Node WWN | 20:00:34:80:0D:3E:ED:31 |
| Port WWN | 21:00:34:80:0D:3E:ED:31 |
| Speed | 32 |

Tabelle 68 - Storage Adapter vmhba64 - esx02-bw.ara-assistance.de

##### 1.4.2.3.2.7 vmhba65

|  |  |
| --- | --- |
| Adapter | vmhba65 |
| Type | Fibre Channel |
| Model | QLE2740 Single Port 32Gb Fibre Channel to PCIe Adapter |
| Status | Online |
| Targets | 0 |
| Devices | 0 |
| Paths | 0 |
| Node WWN | 20:00:34:80:0D:3E:ED:37 |
| Port WWN | 21:00:34:80:0D:3E:ED:37 |
| Speed | 32 |

Tabelle 69 - Storage Adapter vmhba65 - esx02-bw.ara-assistance.de

#### 1.4.2.4 Network

Der folgende Abschnitt beschreibt die Host Netzwerk Konfiguration von esx02-bw.ara-assistance.de.

|  |  |
| --- | --- |
| Host | esx02-bw.ara-assistance.de |
| Virtual Switches | vSwitch0, vSwitch1, vSwitch2 |
| VMkernel Adapters | vmk0, vmk1, vmk2 |
| Physical Adapters | vmnic0, vmnic1, vmnic2, vmnic3, vmnic4, vmnic5, vmnic6, vmnic7 |
| VMkernel Gateway | 192.168.20.1 |
| IPv6 | Disabled |
| VMkernel IPv6 Gateway | -- |
| DNS Servers | 10.101.35.1, 10.101.35.2 |
| Host Name | esx02-bw |
| Domain Name |  |
| Search Domain | ara-assistance.de |

Tabelle 70 - Network Configuration - esx02-bw.ara-assistance.de

##### 1.4.2.4.1 Physical Adapters

Der folgende Abschnitt beschreibt die physical network adapter Konfiguration von esx02-bw.ara-assistance.de.

| Adapter | Status | Virtual Switch | MAC Address | Actual Speed, Duplex | Configured Speed, Duplex | Wake on LAN |
| --- | --- | --- | --- | --- | --- | --- |
| vmnic0 | Connected | vSwitch0 | 4c:52:62:4e:8c:bd | 1000 Mbps, Full Duplex | Auto negotiate | Supported |
| vmnic1 | Connected | vSwitch0 | 4c:52:62:4e:8c:be | 1000 Mbps, Full Duplex | Auto negotiate | Supported |
| vmnic2 | Connected | vSwitch1 | 4c:52:62:51:46:75 | 10000 Mbps, Full Duplex | Auto negotiate | Supported |
| vmnic3 | Connected | vSwitch1 | 4c:52:62:51:46:76 | 1000 Mbps, Full Duplex | Auto negotiate | Not Supported |
| vmnic4 | Disconnected | vSwitch1 | b4:96:91:9c:a3:9c | Down | Auto negotiate | Not Supported |
| vmnic5 | Connected | vSwitch2 | b4:96:91:9c:a3:9d | 1000 Mbps, Full Duplex | Auto negotiate | Not Supported |
| vmnic6 | Connected | vSwitch1 | b4:96:91:9c:a2:fc | 1000 Mbps, Full Duplex | Auto negotiate | Not Supported |
| vmnic7 | Connected | vSwitch2 | b4:96:91:9c:a2:fd | 1000 Mbps, Full Duplex | Auto negotiate | Not Supported |

Tabelle 71 - Physical Adapters - esx02-bw.ara-assistance.de

##### 1.4.2.4.2 VMkernel Adapters

Der folgende Abschnitt beschreibt alle VMkernel adapter von esx02-bw.ara-assistance.de

##### 1.4.2.4.2.1 vmk0

|  |  |
| --- | --- |
| Adapter | vmk0 |
| Network Label | Management Network |
| Virtual Switch | vSwitch0 |
| TCP/IP Stack | Default |
| MTU | 1500 |
| MAC Address | 4c:52:62:4e:8c:bd |
| DHCP | Disabled |
| IP Address | 192.168.20.122 |
| Subnet Mask | 255.255.255.0 |
| Default Gateway |  |
| vMotion | Disabled |
| Provisioning | Disabled |
| FT Logging | Disabled |
| Management | Enabled |
| vSphere Replication | Disabled |
| vSphere Replication NFC | Disabled |
| vSAN | Disabled |
| vSAN Witness | Disabled |
| vSphere Backup NFC | Disabled |

Tabelle 72 - VMkernel Adapter vmk0 - esx02-bw.ara-assistance.de

##### 1.4.2.4.2.2 vmk1

|  |  |
| --- | --- |
| Adapter | vmk1 |
| Network Label | vMotion1 |
| Virtual Switch | vSwitch0 |
| TCP/IP Stack | Default |
| MTU | 1500 |
| MAC Address | 00:50:56:65:1d:de |
| DHCP | Disabled |
| IP Address | 192.168.13.122 |
| Subnet Mask | 255.255.255.0 |
| Default Gateway | -- |
| vMotion | Enabled |
| Provisioning | Disabled |
| FT Logging | Disabled |
| Management | Disabled |
| vSphere Replication | Disabled |
| vSphere Replication NFC | Disabled |
| vSAN | Disabled |
| vSAN Witness | Disabled |
| vSphere Backup NFC | Disabled |

Tabelle 73 - VMkernel Adapter vmk1 - esx02-bw.ara-assistance.de

##### 1.4.2.4.2.3 vmk2

|  |  |
| --- | --- |
| Adapter | vmk2 |
| Network Label | vMotion2 |
| Virtual Switch | vSwitch0 |
| TCP/IP Stack | Default |
| MTU | 1500 |
| MAC Address | 00:50:56:66:f1:b9 |
| DHCP | Disabled |
| IP Address | 192.168.13.123 |
| Subnet Mask | 255.255.255.0 |
| Default Gateway | -- |
| vMotion | Enabled |
| Provisioning | Disabled |
| FT Logging | Disabled |
| Management | Disabled |
| vSphere Replication | Disabled |
| vSphere Replication NFC | Disabled |
| vSAN | Disabled |
| vSAN Witness | Disabled |
| vSphere Backup NFC | Disabled |

Tabelle 74 - VMkernel Adapter vmk2 - esx02-bw.ara-assistance.de

##### 1.4.2.4.3 Standard Virtual Switches

Der folgende Abschnitt beschreibt die standard virtual switch Konfiguration von esx02-bw.ara-assistance.de.

| Virtual Switch | MTU | Number of Ports | Number of Ports Available |
| --- | --- | --- | --- |
| vSwitch0 | 1500 | 7413 | 7353 |
| vSwitch1 | 1500 | 7413 | 7353 |
| vSwitch2 | 1500 | 7413 | 7353 |

Tabelle 75 - Standard Virtual Switches - esx02-bw.ara-assistance.de

##### 1.4.2.4.3.1 Virtual Switch Security

| Virtual Switch | Promiscuous Mode | MAC Address Changes | Forged Transmits |
| --- | --- | --- | --- |
| vSwitch0 | Reject | Reject | Reject |
| vSwitch1 | Reject | Reject | Reject |
| vSwitch2 | Reject | Reject | Reject |

Tabelle 76 - Virtual Switch Security Policy - esx02-bw.ara-assistance.de

##### 1.4.2.4.3.2 Virtual Switch Traffic Shaping

| Virtual Switch | Status | Average Bandwidth (kbit/s) | Peak Bandwidth (kbit/s) | Burst Size (KB) |
| --- | --- | --- | --- | --- |
| vSwitch0 | Disabled |  |  |  |
| vSwitch1 | Disabled |  |  |  |
| vSwitch2 | Disabled |  |  |  |

Tabelle 77 - Virtual Switch Traffic Shaping Policy - esx02-bw.ara-assistance.de

##### 1.4.2.4.3.3 Virtual Switch Teaming & Failover

| Virtual Switch | Load Balancing | Network Failure Detection | Notify Switches | Failback | Active NICs | Standby NICs | Unused NICs |
| --- | --- | --- | --- | --- | --- | --- | --- |
| vSwitch0 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic0 vmnic1 |  |  |
| vSwitch1 | Route based on the originating port ID | Beacon probing | Yes | Yes | vmnic2 vmnic4 | vmnic3 vmnic6 |  |
| vSwitch2 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic5 vmnic7 |  |  |

Tabelle 78 - Virtual Switch Teaming & Failover - esx02-bw.ara-assistance.de

##### 1.4.2.4.3.4 Virtual Switch Port Groups

| Port Group | VLAN ID | Virtual Switch | # of VMs |
| --- | --- | --- | --- |
| 31\_ARCD\_SERVER | 31 | vSwitch1 | 17 |
| 35\_ARA\_SERVER | 35 | vSwitch1 | 22 |
| 41\_ARCD\_CLIENT | 41 | vSwitch1 | 2 |
| 45\_ARA\_CLIENT | 45 | vSwitch1 | 1 |
| ARA | 0 | vSwitch1 | 0 |
| ARA\_LAN | 2 | vSwitch1 | 2 |
| ARA\_SERVER | 16 | vSwitch1 | 0 |
| ARCD\_LAN | 0 | vSwitch1 | 2 |
| DMZ-10 | 3 | vSwitch2 | 1 |
| DMZ-200 | 4 | vSwitch2 | 3 |
| EXCHANGE | 17 | vSwitch1 | 5 |
| Management Network | 0 | vSwitch0 | 0 |
| TK\_CLIENT | 25 | vSwitch1 | 1 |
| TK\_LAN | 8 | vSwitch2 | 0 |
| TK\_SERVER | 24 | vSwitch1 | 2 |
| vMotion1 | 10 | vSwitch0 | 0 |
| vMotion2 | 10 | vSwitch0 | 0 |

Tabelle 79 - Virtual Switch Port Groups - esx02-bw.ara-assistance.de

##### 1.4.2.4.3.5 Virtual Switch Port Group Security

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Port Group | Virtual Switch | Promiscuous Mode | MAC Changes | Forged Transmits |
| 31\_ARCD\_SERVER | vSwitch1 | Reject | Reject | Reject |
| 35\_ARA\_SERVER | vSwitch1 | Reject | Reject | Reject |
| 41\_ARCD\_CLIENT | vSwitch1 | Reject | Reject | Reject |
| 45\_ARA\_CLIENT | vSwitch1 | Reject | Reject | Reject |
| ARA | vSwitch1 | Reject | Reject | Reject |
| ARA\_LAN | vSwitch1 | Reject | Reject | Reject |
| ARA\_SERVER | vSwitch1 | Reject | Reject | Reject |
| ARCD\_LAN | vSwitch1 | Reject | Reject | Reject |
| DMZ-10 | vSwitch2 | Reject | Reject | Reject |
| DMZ-200 | vSwitch2 | Reject | Reject | Reject |
| EXCHANGE | vSwitch1 | Reject | Reject | Reject |
| Management Network | vSwitch0 | Reject | Reject | Reject |
| TK\_CLIENT | vSwitch1 | Reject | Reject | Reject |
| TK\_LAN | vSwitch2 | Reject | Reject | Reject |
| TK\_SERVER | vSwitch1 | Reject | Reject | Reject |
| vMotion1 | vSwitch0 | Reject | Reject | Reject |
| vMotion2 | vSwitch0 | Reject | Reject | Reject |

Tabelle 80 - Virtual Switch Port Group Security Policy - esx02-bw.ara-assistance.de

##### 1.4.2.4.3.6 Virtual Switch Port Group Traffic Shaping

| Port Group | Virtual Switch | Status | Average Bandwidth (kbit/s) | Peak Bandwidth (kbit/s) | Burst Size (KB) |
| --- | --- | --- | --- | --- | --- |
| 31\_ARCD\_SERVER | vSwitch1 | Inherited |  |  |  |
| 35\_ARA\_SERVER | vSwitch1 | Inherited |  |  |  |
| 41\_ARCD\_CLIENT | vSwitch1 | Inherited |  |  |  |
| 45\_ARA\_CLIENT | vSwitch1 | Inherited |  |  |  |
| ARA | vSwitch1 | Inherited |  |  |  |
| ARA\_LAN | vSwitch1 | Inherited |  |  |  |
| ARA\_SERVER | vSwitch1 | Inherited |  |  |  |
| ARCD\_LAN | vSwitch1 | Inherited |  |  |  |
| DMZ-10 | vSwitch2 | Inherited |  |  |  |
| DMZ-200 | vSwitch2 | Inherited |  |  |  |
| EXCHANGE | vSwitch1 | Inherited |  |  |  |
| Management Network | vSwitch0 | Inherited |  |  |  |
| TK\_CLIENT | vSwitch1 | Inherited |  |  |  |
| TK\_LAN | vSwitch2 | Inherited |  |  |  |
| TK\_SERVER | vSwitch1 | Inherited |  |  |  |
| vMotion1 | vSwitch0 | Inherited |  |  |  |
| vMotion2 | vSwitch0 | Inherited |  |  |  |

Tabelle 81 - Virtual Switch Port Group Traffic Shaping Policy - esx02-bw.ara-assistance.de

##### 1.4.2.4.3.7 Virtual Switch Port Group Teaming & Failover

| Port Group | Virtual Switch | Load Balancing | Network Failure Detection | Notify Switches | Failback | Active NICs | Standby NICs | Unused NICs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 31\_ARCD\_SERVER | vSwitch1 | Route based on the originating port ID | Beacon probing | Yes | Yes | vmnic2 vmnic4 | vmnic3 vmnic6 |  |
| 35\_ARA\_SERVER | vSwitch1 | Route based on the originating port ID | Beacon probing | Yes | Yes | vmnic2 vmnic4 | vmnic3 vmnic6 |  |
| 41\_ARCD\_CLIENT | vSwitch1 | Route based on the originating port ID | Beacon probing | Yes | Yes | vmnic2 vmnic4 | vmnic3 vmnic6 |  |
| 45\_ARA\_CLIENT | vSwitch1 | Route based on the originating port ID | Beacon probing | Yes | Yes | vmnic2 vmnic4 | vmnic3 vmnic6 |  |
| ARA | vSwitch1 | Route based on the originating port ID | Beacon probing | Yes | Yes | vmnic2 vmnic4 | vmnic3 vmnic6 |  |
| ARA\_LAN | vSwitch1 | Route based on the originating port ID | Beacon probing | Yes | Yes | vmnic2 vmnic4 | vmnic3 vmnic6 |  |
| ARA\_SERVER | vSwitch1 | Route based on the originating port ID | Beacon probing | Yes | Yes | vmnic2 vmnic4 | vmnic3 vmnic6 |  |
| ARCD\_LAN | vSwitch1 | Route based on the originating port ID | Beacon probing | Yes | Yes | vmnic2 vmnic4 | vmnic3 vmnic6 |  |
| DMZ-10 | vSwitch2 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic5 vmnic7 |  |  |
| DMZ-200 | vSwitch2 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic5 vmnic7 |  |  |
| EXCHANGE | vSwitch1 | Route based on the originating port ID | Beacon probing | Yes | Yes | vmnic2 vmnic4 | vmnic3 vmnic6 |  |
| Management Network | vSwitch0 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic0 | vmnic1 |  |
| TK\_CLIENT | vSwitch1 | Route based on the originating port ID | Beacon probing | Yes | Yes | vmnic2 vmnic4 | vmnic3 vmnic6 |  |
| TK\_LAN | vSwitch2 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic5 vmnic7 |  |  |
| TK\_SERVER | vSwitch1 | Route based on the originating port ID | Beacon probing | Yes | Yes | vmnic2 vmnic4 | vmnic3 vmnic6 |  |
| vMotion1 | vSwitch0 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic0 vmnic1 |  |  |
| vMotion2 | vSwitch0 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic0 vmnic1 |  |  |

Tabelle 82 - Virtual Switch Port Group Teaming & Failover - esx02-bw.ara-assistance.de

#### 1.4.2.5 Security

Der folgende Abschnitt beschreibt die host security Konfiguration von esx02-bw.ara-assistance.de.

##### 1.4.2.5.1 Lockdown Mode

|  |  |
| --- | --- |
| Lockdown Mode | Disabled |

Tabelle 83 - Lockdown Mode - esx02-bw.ara-assistance.de

##### 1.4.2.5.2 Services

| Service | Daemon | Startup Policy |
| --- | --- | --- |
| Active Directory Service | Stopped | Start and stop manually |
| attestd | Stopped | Start and stop manually |
| CIM Server | Running | Start and stop with host |
| Direct Console UI | Running | Start and stop with host |
| ESXi Shell | Stopped | Start and stop manually |
| kmxd | Stopped | Start and stop manually |
| Load-Based Teaming Daemon | Running | Start and stop with host |
| NTP Daemon | Stopped | Start and stop with host |
| PC/SC Smart Card Daemon | Stopped | Start and stop manually |
| PTP Daemon | Stopped | Start and stop manually |
| slpd | Running | Start and stop with host |
| SNMP Server | Stopped | Start and stop with host |
| SSH | Stopped | Start and stop manually |
| Syslog Server | Running | Start and stop with host |
| VMware vCenter Agent | Running | Start and stop with host |
| vSphere High Availability Agent | Running | Start and stop with host |
| X.Org Server | Stopped | Start and stop with host |

Tabelle 84 - Services - esx02-bw.ara-assistance.de

### 1.4.4 esx2-an.ara-assistance.de

#### 1.4.4.1 Hardware

Der folgende Abschnitt beschreibt die Host Hardware von esx2-an.ara-assistance.de.

|  |  |
| --- | --- |
| Host | esx2-an.ara-assistance.de |
| Connection State | Connected |
| ID | HostSystem-host-411 |
| Parent | ESX\_CL\_AN |
| Manufacturer | FUJITSU |
| Model | PRIMERGY RX2540 M1 |
| Serial Number | -- |
| Asset Tag | System Asset Tag |
| Processor Type | Intel(R) Xeon(R) CPU E5-2630 v3 @ 2.40GHz |
| HyperThreading | Enabled |
| Number of CPU Sockets | 2 |
| Number of CPU Cores | 16 |
| Number of CPU Threads | 32 |
| CPU Total / Used | 38.3 GHz / 3.56 GHz |
| Memory Total / Used | 255.83 GB / 184.94 GB |
| NUMA Nodes | 2 |
| Number of NICs | 10 |
| Number of HBAs | 5 |
| Number of Datastores | 9 |
| Number of VMs | 25 |
| Maximum EVC Mode | Intel® "Haswell" Generation |
| EVC Graphics Mode | Not applicable |
| Power Management Policy | Balanced |
| Scratch Location | /vmfs/volumes/5bd1c0b9-5dadb150-2dac-a0369f7805c4 |
| Bios Version | V5.0.0.9 R1.30.0 for D3289-A1x |
| Bios Release Date | 05/03/2016 00:00:00 |
| ESXi Version | 6.7.0 |
| ESXi Build | 16773714 |
| Boot Time | 11/04/2020 10:57:12 |
| Uptime Days | 379.01 |
| Product | VMware vSphere 6 Standard |
| License Key | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-0382H-2MPNN |
| License Expiration | Never |

Tabelle 114 - Hardware Configuration - esx2-an.ara-assistance.de

##### 1.4.4.1.1 Boot Device

|  |  |
| --- | --- |
| Host | esx2-an.ara-assistance.de |
| Device | naa.6003005701f63a501d38f517229bf1d0 |
| Boot Type | Local |
| Vendor | FTS |
| Model | PRAID EP420i |
| Size | 931 GB |
| Is SAS | True |
| Is SSD | False |
| Is USB | False |

Tabelle 115 - Boot Device - esx2-an.ara-assistance.de

##### 1.4.4.1.2 PCI Devices

| Device | PCI Address | Device Class | Device Name | Vendor Name | Slot Description |
| --- | --- | --- | --- | --- | --- |
| vmhba0 | 0000:00:11.4 | SATA controller | Wellsburg AHCI Controller | Intel Corporation |  |
| vmhba1 | 0000:00:1f.2 | SATA controller | Wellsburg AHCI Controller | Intel Corporation |  |
| vmhba2 | 0000:01:00.0 | RAID bus controller | MegaRAID SAS Invader Controller | Avago (LSI / Symbios Logic) | SLOT 01 |
| vmhba3 | 0000:02:00.0 | Fibre Channel | ISP2532-based 8Gb Fibre Channel to PCI Express HBA | QLogic Corp | SLOT 04 |
| vmhba4 | 0000:02:00.1 | Fibre Channel | ISP2532-based 8Gb Fibre Channel to PCI Express HBA | QLogic Corp | SLOT 04 |
| vmnic0 | 0000:05:00.0 | Ethernet controller | Emulex OneConnect OCe14000 NIC | Emulex Corporation | Emulex OCI14000-LOM |
| vmnic1 | 0000:05:00.1 | Ethernet controller | Emulex OneConnect OCe14000 NIC | Emulex Corporation | Emulex OCI14000-LOM |
| vmnic2 | 0000:05:00.2 | Ethernet controller | Emulex OneConnect OCe14000 NIC | Emulex Corporation | Emulex OCI14000-LOM |
| vmnic3 | 0000:05:00.3 | Ethernet controller | Emulex OneConnect OCe14000 NIC | Emulex Corporation | Emulex OCI14000-LOM |
| vmnic4 | 0000:03:00.0 | Ethernet controller | I350 Gigabit Network Connection | Intel Corporation | SLOT 05 |
| vmnic5 | 0000:03:00.1 | Ethernet controller | I350 Gigabit Network Connection | Intel Corporation | SLOT 05 |
| vmnic6 | 0000:03:00.2 | Ethernet controller | I350 Gigabit Network Connection | Intel Corporation | SLOT 05 |
| vmnic7 | 0000:03:00.3 | Ethernet controller | I350 Gigabit Network Connection | Intel Corporation | SLOT 05 |
| vmnic8 | 0000:81:00.0 | Ethernet controller | Ethernet Controller X540-AT2 | Intel(R) | SLOT 07 |
| vmnic9 | 0000:81:00.1 | Ethernet controller | Ethernet Controller X540-AT2 | Intel(R) | SLOT 07 |

Tabelle 116 - PCI Devices - esx2-an.ara-assistance.de

##### 1.4.4.1.3 PCI Devices Drivers & Firmware

| Device | Model | Driver | Driver Version | Firmware Version | VIB Name | VIB Version |
| --- | --- | --- | --- | --- | --- | --- |
| vmhba0 | Wellsburg AHCI Controller | vmw\_ahci | 2.0.5-1vmw.670.3.116.16713306 | N/A | vmw-ahci | 2.0.5-1vmw.670.3.116.16713306 |
| vmhba1 | Wellsburg AHCI Controller | vmw\_ahci | 2.0.5-1vmw.670.3.116.16713306 | N/A | vmw-ahci | 2.0.5-1vmw.670.3.116.16713306 |
| vmhba2 | MegaRAID SAS Invader Controller | lsi\_mr3 | 7.708.07.00-3vmw.670.3.73.14320388 | N/A | lsi-mr3 | 7.708.07.00-3vmw.670.3.73.14320388 |
| vmhba3 | ISP2532-based 8Gb Fibre Channel to PCI Express HBA | qlnativefc | 3.1.8.0-5vmw.670.3.73.14320388 | N/A | qlnativefc | 3.1.8.0-5vmw.670.3.73.14320388 |
| vmhba4 | ISP2532-based 8Gb Fibre Channel to PCI Express HBA | qlnativefc | 3.1.8.0-5vmw.670.3.73.14320388 | N/A | qlnativefc | 3.1.8.0-5vmw.670.3.73.14320388 |
| vmnic0 | Emulex OneConnect OCe14000 NIC | elxnet | 12.0.1115.0-1OEM.670.0.0.7535516 | 10.2.405.33 | elxnet | 12.0.1115.0-1OEM.670.0.0.7535516 |
| vmnic1 | Emulex OneConnect OCe14000 NIC | elxnet | 12.0.1115.0-1OEM.670.0.0.7535516 | 10.2.405.33 | elxnet | 12.0.1115.0-1OEM.670.0.0.7535516 |
| vmnic2 | Emulex OneConnect OCe14000 NIC | elxnet | 12.0.1115.0-1OEM.670.0.0.7535516 | 10.2.405.33 | elxnet | 12.0.1115.0-1OEM.670.0.0.7535516 |
| vmnic3 | Emulex OneConnect OCe14000 NIC | elxnet | 12.0.1115.0-1OEM.670.0.0.7535516 | 10.2.405.33 | elxnet | 12.0.1115.0-1OEM.670.0.0.7535516 |
| vmnic4 | I350 Gigabit Network Connection | igbn | 1.4.4-1OEM.670.0.0.7535516 | 1.63.0:0x80000c52 | igbn | 1.4.4-1OEM.670.0.0.7535516 |
| vmnic5 | I350 Gigabit Network Connection | igbn | 1.4.4-1OEM.670.0.0.7535516 | 1.63.0:0x80000c52 | igbn | 1.4.4-1OEM.670.0.0.7535516 |
| vmnic6 | I350 Gigabit Network Connection | igbn | 1.4.4-1OEM.670.0.0.7535516 | 1.63.0:0x80000c52 | igbn | 1.4.4-1OEM.670.0.0.7535516 |
| vmnic7 | I350 Gigabit Network Connection | igbn | 1.4.4-1OEM.670.0.0.7535516 | 1.63.0:0x80000c52 | igbn | 1.4.4-1OEM.670.0.0.7535516 |
| vmnic8 | Ethernet Controller X540-AT2 | ixgben | 1.7.1.16-2vmw.670.3.104.16075168 | 0x800005f8 | ixgben | 1.7.1.16-2vmw.670.3.104.16075168 |
| vmnic9 | Ethernet Controller X540-AT2 | ixgben | 1.7.1.16-2vmw.670.3.104.16075168 | 0x800005f8 | ixgben | 1.7.1.16-2vmw.670.3.104.16075168 |

Tabelle 117 - PCI Devices Drivers & Firmware - esx2-an.ara-assistance.de

#### 1.4.4.2 System

Der folgende Abschnitt beschreibt die Host System Konfiguration von esx2-an.ara-assistance.de.

##### 1.4.4.2.1 Image Profile

| Image Profile | Vendor | Installation Date |
| --- | --- | --- |
| (Updated) Fujitsu-VMvisor-Installer-6.7-9214924-v451-1 | Fujitsu | 09/12/2017 13:23:52 |

Tabelle 118 - Image Profile - esx2-an.ara-assistance.de

##### 1.4.4.2.2 Time Configuration

| Time Zone | NTP Service | NTP Server(s) |
| --- | --- | --- |
| UTC | Running | 0.pool.ntp.org, 1.pool.ntp.org, 165.1.83.12 |

Tabelle 119 - Time Configuration - esx2-an.ara-assistance.de

##### 1.4.4.2.3 Syslog Configuration

| SysLog Server | Port |
| --- | --- |
| 165.1.83.60 |  |

Tabelle 120 - Syslog Configuration - esx2-an.ara-assistance.de

#### 1.4.4.3 Storage

Der folgende Abschnitt beschreibt die Host Storage Konfiguration von esx2-an.ara-assistance.de.

##### 1.4.4.3.1 Datastores

| Datastore | Type | Version | # of VMs | Total Capacity GB | Used Capacity GB | Free Space GB | % Used |
| --- | --- | --- | --- | --- | --- | --- | --- |
| SAS\_VMDK20\_AN | VMFS | 5.61 | 15 | 4095.75 | 2177.76 | 1917.99 | 53.17 |
| SAS\_VMDK21\_AN | VMFS | 5.61 | 8 | 4095.75 | 2339.71 | 1756.04 | 57.13 |
| SAS\_VMDK22\_AN | VMFS | 5.61 | 1 | 2047.75 | 1.49 | 2046.26 | 0.07 |
| SAS\_VMDK23\_AN | VMFS | 5.61 | 0 | 2047.75 | 0.96 | 2046.79 | 0.05 |
| SAS\_VMDK24\_AN | VMFS | 5.61 | 0 | 2047.75 | 0.96 | 2046.79 | 0.05 |
| SAS\_VMDK25\_AN | VMFS | 5.61 | 0 | 2047.75 | 0.96 | 2046.79 | 0.05 |
| SATA\_VMDK01\_LOCAL | VMFS | 5.61 | 0 | 923.5 | 0.95 | 922.55 | 0.10 |
| SATA\_VMDK02\_LOCAL | VMFS | 5.61 | 0 | 26078.25 | 1.08 | 26077.17 | 0.00 |
| VeeamBackup\_B2D-AN.ara-assistance.de | NFS | 3.0 | 1 | 29.87 | 9.18 | 20.69 | 30.74 |

Tabelle 121 - Datastores - esx2-an.ara-assistance.de

##### 1.4.4.3.2 Storage Adapters

Der folgende Abschnitt beschreibt alle Sorage Adapter von esx2-an.ara-assistance.de.

##### 1.4.4.3.2.1 vmhba0

|  |  |
| --- | --- |
| Adapter | vmhba0 |
| Type | Block |
| Model | Wellsburg AHCI Controller |
| Status | Unknown |
| Targets | 0 |
| Devices | 0 |
| Paths | 0 |

Tabelle 122 - Storage Adapter vmhba0 - esx2-an.ara-assistance.de

##### 1.4.4.3.2.2 vmhba1

|  |  |
| --- | --- |
| Adapter | vmhba1 |
| Type | Block |
| Model | Wellsburg AHCI Controller |
| Status | Unknown |
| Targets | 0 |
| Devices | 0 |
| Paths | 0 |

Tabelle 123 - Storage Adapter vmhba1 - esx2-an.ara-assistance.de

##### 1.4.4.3.2.3 vmhba2

|  |  |
| --- | --- |
| Adapter | vmhba2 |
| Type | Block |
| Model | MegaRAID SAS Invader Controller |
| Status | Unknown |
| Targets | 2 |
| Devices | 2 |
| Paths | 2 |

Tabelle 124 - Storage Adapter vmhba2 - esx2-an.ara-assistance.de

##### 1.4.4.3.2.4 vmhba3

|  |  |
| --- | --- |
| Adapter | vmhba3 |
| Type | Fibre Channel |
| Model | ISP2532-based 8Gb Fibre Channel to PCI Express HBA |
| Status | Online |
| Targets | 1 |
| Devices | 6 |
| Paths | 6 |
| Node WWN | 20:00:00:24:FF:3C:F9:DA |
| Port WWN | 21:00:00:24:FF:3C:F9:DA |
| Speed | 8 |

Tabelle 125 - Storage Adapter vmhba3 - esx2-an.ara-assistance.de

##### 1.4.4.3.2.5 vmhba4

|  |  |
| --- | --- |
| Adapter | vmhba4 |
| Type | Fibre Channel |
| Model | ISP2532-based 8Gb Fibre Channel to PCI Express HBA |
| Status | Online |
| Targets | 1 |
| Devices | 6 |
| Paths | 6 |
| Node WWN | 20:00:00:24:FF:3C:F9:DB |
| Port WWN | 21:00:00:24:FF:3C:F9:DB |
| Speed | 8 |

Tabelle 126 - Storage Adapter vmhba4 - esx2-an.ara-assistance.de

#### 1.4.4.4 Network

Der folgende Abschnitt beschreibt das Host Netzwerk von esx2-an.ara-assistance.de.

|  |  |
| --- | --- |
| Host | esx2-an.ara-assistance.de |
| Virtual Switches | vSwitch0, vSwitch1, vSwitch2 |
| VMkernel Adapters | vmk0, vmk1, vmk2 |
| Physical Adapters | vmnic0, vmnic1, vmnic2, vmnic3, vmnic4, vmnic5, vmnic6, vmnic7, vmnic8, vmnic9 |
| VMkernel Gateway | 165.1.83.3 |
| IPv6 | Disabled |
| VMkernel IPv6 Gateway | -- |
| DNS Servers | 10.101.35.1, 10.102.35.1 |
| Host Name | ESX2-AN |
| Domain Name | ara-assistance.de |
| Search Domain | ara-assistance.de |

Tabelle 127 - Network Configuration - esx2-an.ara-assistance.de

##### 1.4.4.4.1 Physical Adapters

Der folgende Abschnitt beschreibt alle physical network Adapter von esx2-an.ara-assistance.de.

| Adapter | Status | Virtual Switch | MAC Address | Actual Speed, Duplex | Configured Speed, Duplex | Wake on LAN |
| --- | --- | --- | --- | --- | --- | --- |
| vmnic0 | Connected | vSwitch0 | 90:1b:0e:55:2f:88 | 1000 Mbps, Full Duplex | Auto negotiate | Supported |
| vmnic1 | Connected | vSwitch1 | 90:1b:0e:55:2f:89 | 1000 Mbps, Full Duplex | Auto negotiate | Supported |
| vmnic2 | Connected | vSwitch2 | 90:1b:0e:55:2f:8a | 1000 Mbps, Full Duplex | Auto negotiate | Supported |
| vmnic3 | Disconnected | -- | 90:1b:0e:55:2f:8b | Down | Auto negotiate | Supported |
| vmnic4 | Disconnected | -- | a0:36:9f:78:05:c4 | Down | Auto negotiate | Supported |
| vmnic5 | Connected | vSwitch2 | a0:36:9f:78:05:c5 | 1000 Mbps, Full Duplex | Auto negotiate | Not Supported |
| vmnic6 | Connected | vSwitch1 | a0:36:9f:78:05:c6 | 1000 Mbps, Full Duplex | Auto negotiate | Not Supported |
| vmnic7 | Connected | vSwitch0 | a0:36:9f:78:05:c7 | 1000 Mbps, Full Duplex | Auto negotiate | Not Supported |
| vmnic8 | Connected | vSwitch1 | b4:96:91:01:d3:0c | 10000 Mbps, Full Duplex | Auto negotiate | Not Supported |
| vmnic9 | Connected | vSwitch1 | b4:96:91:01:d3:0e | 10000 Mbps, Full Duplex | Auto negotiate | Not Supported |

Tabelle 128 - Physical Adapters - esx2-an.ara-assistance.de

##### 1.4.4.4.2 VMkernel Adapters

Der folgende Abschnitt beschreibt die VMkernel Adapter von esx2-an.ara-assistance.de

##### 1.4.4.4.2.1 vmk0

|  |  |
| --- | --- |
| Adapter | vmk0 |
| Network Label | Management Network |
| Virtual Switch | vSwitch0 |
| TCP/IP Stack | Default |
| MTU | 1500 |
| MAC Address | a0:36:9f:78:05:c7 |
| DHCP | Disabled |
| IP Address | 165.1.83.46 |
| Subnet Mask | 255.255.255.0 |
| Default Gateway | -- |
| vMotion | Disabled |
| Provisioning | Disabled |
| FT Logging | Disabled |
| Management | Enabled |
| vSphere Replication | Disabled |
| vSphere Replication NFC | Disabled |
| vSAN | Disabled |
| vSAN Witness | Disabled |
| vSphere Backup NFC | Disabled |

Tabelle 129 - VMkernel Adapter vmk0 - esx2-an.ara-assistance.de

##### 1.4.4.4.2.2 vmk1

|  |  |
| --- | --- |
| Adapter | vmk1 |
| Network Label | VMOTION1 |
| Virtual Switch | vSwitch0 |
| TCP/IP Stack | Default |
| MTU | 1500 |
| MAC Address | 00:50:56:66:bc:d7 |
| DHCP | Disabled |
| IP Address | 192.168.13.48 |
| Subnet Mask | 255.255.255.0 |
| Default Gateway | -- |
| vMotion | Enabled |
| Provisioning | Disabled |
| FT Logging | Disabled |
| Management | Disabled |
| vSphere Replication | Disabled |
| vSphere Replication NFC | Disabled |
| vSAN | Disabled |
| vSAN Witness | Disabled |
| vSphere Backup NFC | Disabled |

Tabelle 130 - VMkernel Adapter vmk1 - esx2-an.ara-assistance.de

##### 1.4.4.4.2.3 vmk2

|  |  |
| --- | --- |
| Adapter | vmk2 |
| Network Label | VMOTION2l |
| Virtual Switch | vSwitch0 |
| TCP/IP Stack | Default |
| MTU | 1500 |
| MAC Address | 00:50:56:6c:40:33 |
| DHCP | Disabled |
| IP Address | 192.168.13.50 |
| Subnet Mask | 255.255.255.0 |
| Default Gateway | -- |
| vMotion | Enabled |
| Provisioning | Disabled |
| FT Logging | Disabled |
| Management | Disabled |
| vSphere Replication | Disabled |
| vSphere Replication NFC | Disabled |
| vSAN | Disabled |
| vSAN Witness | Disabled |
| vSphere Backup NFC | Disabled |

Tabelle 131 - VMkernel Adapter vmk2 - esx2-an.ara-assistance.de

##### 1.4.4.4.3 Standard Virtual Switches

Der folgende Abschnitt beschreibt die standard virtual switch Konfiguration von esx2-an.ara-assistance.de.

| Virtual Switch | MTU | Number of Ports | Number of Ports Available |
| --- | --- | --- | --- |
| vSwitch0 | 1500 | 6656 | 6606 |
| vSwitch1 | 1500 | 6656 | 6606 |
| vSwitch2 | 1500 | 6656 | 6606 |

Tabelle 132 - Standard Virtual Switches - esx2-an.ara-assistance.de

##### 1.4.4.4.3.1 Virtual Switch Security

| Virtual Switch | Promiscuous Mode | MAC Address Changes | Forged Transmits |
| --- | --- | --- | --- |
| vSwitch0 | Reject | Accept | Accept |
| vSwitch1 | Reject | Reject | Reject |
| vSwitch2 | Reject | Accept | Accept |

Tabelle 133 - Virtual Switch Security Policy - esx2-an.ara-assistance.de

##### 1.4.4.4.3.2 Virtual Switch Traffic Shaping

| Virtual Switch | Status | Average Bandwidth (kbit/s) | Peak Bandwidth (kbit/s) | Burst Size (KB) |
| --- | --- | --- | --- | --- |
| vSwitch0 | Disabled |  |  |  |
| vSwitch1 | Disabled |  |  |  |
| vSwitch2 | Disabled |  |  |  |

Tabelle 134 - Virtual Switch Traffic Shaping Policy - esx2-an.ara-assistance.de

##### 1.4.4.4.3.3 Virtual Switch Teaming & Failover

| Virtual Switch | Load Balancing | Network Failure Detection | Notify Switches | Failback | Active NICs | Standby NICs | Unused NICs |
| --- | --- | --- | --- | --- | --- | --- | --- |
| vSwitch0 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic0 vmnic7 |  |  |
| vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic8 vmnic9 | vmnic1 vmnic6 |  |
| vSwitch2 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic2 vmnic5 |  |  |

Tabelle 135 - Virtual Switch Teaming & Failover - esx2-an.ara-assistance.de

##### 1.4.4.4.3.4 Virtual Switch Port Groups

| Port Group | VLAN ID | Virtual Switch | # of VMs |
| --- | --- | --- | --- |
| 31\_ARCD\_SERVER | 31 | vSwitch1 | 3 |
| 35\_ARA\_SERVER | 35 | vSwitch1 | 10 |
| 41\_ARCD\_CLIENT | 41 | vSwitch1 | 2 |
| 45\_ARA\_CLIENT | 45 | vSwitch1 | 3 |
| ARA\_LAN | 2 | vSwitch1 | 1 |
| ARA\_SERVER | 16 | vSwitch1 | 0 |
| ARCD\_LAN | 0 | vSwitch1 | 0 |
| DMZ-10 | 3 | vSwitch2 | 0 |
| DMZ-200 | 4 | vSwitch2 | 0 |
| EXCHANGE | 17 | vSwitch1 | 3 |
| Management Network | 0 | vSwitch0 | 0 |
| TK\_CLIENT | 25 | vSwitch1 | 1 |
| TK\_LAN | 8 | vSwitch2 | 0 |
| TK\_SERVER | 24 | vSwitch1 | 2 |
| VMOTION1 | 10 | vSwitch0 | 0 |
| VMOTION2l | 10 | vSwitch0 | 0 |

Tabelle 136 - Virtual Switch Port Groups - esx2-an.ara-assistance.de

##### 1.4.4.4.3.5 Virtual Switch Port Group Security

| Port Group | Virtual Switch | Promiscuous Mode | MAC Changes | Forged Transmits |
| --- | --- | --- | --- | --- |
| 31\_ARCD\_SERVER | vSwitch1 | Reject | Reject | Reject |
| 35\_ARA\_SERVER | vSwitch1 | Reject | Reject | Reject |
| 41\_ARCD\_CLIENT | vSwitch1 | Reject | Reject | Reject |
| 45\_ARA\_CLIENT | vSwitch1 | Reject | Reject | Reject |
| ARA\_LAN | vSwitch1 | Reject | Reject | Reject |
| ARA\_SERVER | vSwitch1 | Reject | Reject | Reject |
| ARCD\_LAN | vSwitch1 | Reject | Reject | Reject |
| DMZ-10 | vSwitch2 | Reject | Accept | Accept |
| DMZ-200 | vSwitch2 | Reject | Accept | Accept |
| EXCHANGE | vSwitch1 | Reject | Reject | Reject |
| Management Network | vSwitch0 | Reject | Accept | Accept |
| TK\_CLIENT | vSwitch1 | Reject | Reject | Reject |
| TK\_LAN | vSwitch2 | Reject | Accept | Accept |
| TK\_SERVER | vSwitch1 | Reject | Reject | Reject |
| VMOTION1 | vSwitch0 | Reject | Accept | Accept |
| VMOTION2l | vSwitch0 | Reject | Accept | Accept |

Tabelle 137 - Virtual Switch Port Group Security Policy - esx2-an.ara-assistance.de

##### 1.4.4.4.3.6 Virtual Switch Port Group Traffic Shaping

| Port Group | Virtual Switch | Status | Average Bandwidth (kbit/s) | Peak Bandwidth (kbit/s) | Burst Size (KB) |
| --- | --- | --- | --- | --- | --- |
| 31\_ARCD\_SERVER | vSwitch1 | Inherited |  |  |  |
| 35\_ARA\_SERVER | vSwitch1 | Inherited |  |  |  |
| 41\_ARCD\_CLIENT | vSwitch1 | Inherited |  |  |  |
| 45\_ARA\_CLIENT | vSwitch1 | Inherited |  |  |  |
| ARA\_LAN | vSwitch1 | Inherited |  |  |  |
| ARA\_SERVER | vSwitch1 | Inherited |  |  |  |
| ARCD\_LAN | vSwitch1 | Inherited |  |  |  |
| DMZ-10 | vSwitch2 | Inherited |  |  |  |
| DMZ-200 | vSwitch2 | Inherited |  |  |  |
| EXCHANGE | vSwitch1 | Inherited |  |  |  |
| Management Network | vSwitch0 | Inherited |  |  |  |
| TK\_CLIENT | vSwitch1 | Inherited |  |  |  |
| TK\_LAN | vSwitch2 | Inherited |  |  |  |
| TK\_SERVER | vSwitch1 | Inherited |  |  |  |
| VMOTION1 | vSwitch0 | Inherited |  |  |  |
| VMOTION2l | vSwitch0 | Inherited |  |  |  |

Tabelle 138 - Virtual Switch Port Group Traffic Shaping Policy - esx2-an.ara-assistance.de

##### 1.4.4.4.3.7 Virtual Switch Port Group Teaming & Failover

| Port Group | Virtual Switch | Load Balancing | Network Failure Detection | Notify Switches | Failback | Active NICs | Standby NICs | Unused NICs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 31\_ARCD\_SERVER | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic8 vmnic9 | vmnic1 vmnic6 |  |
| 35\_ARA\_SERVER | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic8 vmnic9 | vmnic1 vmnic6 |  |
| 41\_ARCD\_CLIENT | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic8 vmnic9 | vmnic1 vmnic6 |  |
| 45\_ARA\_CLIENT | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic8 vmnic9 | vmnic1 vmnic6 |  |
| ARA\_LAN | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic8 vmnic9 | vmnic1 vmnic6 |  |
| ARA\_SERVER | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic8 vmnic9 | vmnic1 vmnic6 |  |
| ARCD\_LAN | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic8 vmnic9 | vmnic1 vmnic6 |  |
| DMZ-10 | vSwitch2 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic2 vmnic5 |  |  |
| DMZ-200 | vSwitch2 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic2 vmnic5 |  |  |
| EXCHANGE | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic8 vmnic9 | vmnic1 vmnic6 |  |
| Management Network | vSwitch0 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic0 vmnic7 |  |  |
| TK\_CLIENT | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic8 vmnic9 | vmnic1 vmnic6 |  |
| TK\_LAN | vSwitch2 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic2 vmnic5 |  |  |
| TK\_SERVER | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic8 vmnic9 | vmnic1 vmnic6 |  |
| VMOTION1 | vSwitch0 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic0 vmnic7 |  |  |
| VMOTION2l | vSwitch0 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic0 vmnic7 |  |  |

Tabelle 139 - Virtual Switch Port Group Teaming & Failover - esx2-an.ara-assistance.de

#### 1.4.4.5 Security

Der folgende Abschnitt beschreibt the host security configuration for esx2-an.ara-assistance.de.

##### 1.4.4.5.1 Lockdown Mode

|  |  |
| --- | --- |
| Lockdown Mode | Disabled |

Tabelle 140 - Lockdown Mode - esx2-an.ara-assistance.de

##### 1.4.4.5.2 Services

| Service | Daemon | Startup Policy |
| --- | --- | --- |
| Active Directory Service | Stopped | Start and stop manually |
| CIM Server | Running | Start and stop with host |
| Direct Console UI | Running | Start and stop with host |
| ESXi Shell | Stopped | Start and stop manually |
| Load-Based Teaming Daemon | Running | Start and stop with host |
| NTP Daemon | Running | Start and stop with host |
| PC/SC Smart Card Daemon | Stopped | Start and stop manually |
| SNMP Server | Stopped | Start and stop with host |
| SSH | Stopped | Start and stop manually |
| Syslog Server | Running | Start and stop with host |
| VMware vCenter Agent | Running | Start and stop with host |
| vSphere High Availability Agent | Running | Start and stop with host |
| X.Org Server | Stopped | Start and stop with host |

Tabelle 141 - Services - esx2-an.ara-assistance.de

### 1.4.5 esx2.ara-assistance.de

#### 1.4.5.1 Hardware

Der folgende Abschnitt beschreibt the host hardware configuration for esx2.ara-assistance.de.

|  |  |
| --- | --- |
| Host | esx2.ara-assistance.de |
| Connection State | Connected |
| ID | HostSystem-host-103 |
| Parent | ESX\_CL\_BW |
| Manufacturer | FUJITSU |
| Model | PRIMERGY RX2540 M1 |
| Serial Number | -- |
| Asset Tag | System Asset Tag |
| Processor Type | Intel(R) Xeon(R) CPU E5-2630 v3 @ 2.40GHz |
| HyperThreading | Enabled |
| Number of CPU Sockets | 2 |
| Number of CPU Cores | 16 |
| Number of CPU Threads | 32 |
| CPU Total / Used | 38.3 GHz / 0.08 GHz |
| Memory Total / Used | 287.87 GB / 5.38 GB |
| NUMA Nodes | 2 |
| Number of NICs | 10 |
| Number of HBAs | 5 |
| Number of Datastores | 5 |
| Number of VMs | 1 |
| Maximum EVC Mode | Intel® "Haswell" Generation |
| EVC Graphics Mode | Not applicable |
| Power Management Policy | Balanced |
| Scratch Location | /tmp/scratch |
| Bios Version | V5.0.0.9 R1.24.0 for D3289-A1x |
| Bios Release Date | 05/12/2015 00:00:00 |
| ESXi Version | 6.7.0 |
| ESXi Build | 16773714 |
| Boot Time | 11/05/2020 18:54:57 |
| Uptime Days | 377.68 |
| Product | VMware vSphere 6 Standard |
| License Key | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-0J8KK-2J67J |
| License Expiration | Never |

Tabelle 142 - Hardware Configuration - esx2.ara-assistance.de

##### 1.4.5.1.1 Boot Device

|  |  |
| --- | --- |
| Host | esx2.ara-assistance.de |
| Device | mpx.vmhba32:C0:T0:L0 |
| Boot Type | Local |
| Vendor | STEC |
| Model | STEC USB 2.0 |
| Size | 3.73 GB |
| Is SAS | False |
| Is SSD | False |
| Is USB | True |

Tabelle 143 - Boot Device - esx2.ara-assistance.de

##### 1.4.5.1.2 PCI Devices

| Device | PCI Address | Device Class | Device Name | Vendor Name | Slot Description |
| --- | --- | --- | --- | --- | --- |
| vmhba0 | 0000:00:11.4 | RAID bus controller | Wellsburg RAID Controller | Intel Corporation |  |
| vmhba1 | 0000:00:1f.2 | RAID bus controller | Wellsburg RAID Controller | Intel Corporation |  |
| vmhba2 | 0000:02:00.0 | Fibre Channel | ISP2532-based 8Gb Fibre Channel to PCI Express HBA | QLogic Corp | SLOT 04 |
| vmhba3 | 0000:03:00.0 | Fibre Channel | ISP2532-based 8Gb Fibre Channel to PCI Express HBA | QLogic Corp | SLOT 05 |
| vmhba32 | 0000:00:14.0 | USB controller | C610/X99 series chipset USB xHCI Host Controller | Intel Corporation |  |
| vmnic0 | 0000:05:00.0 | Ethernet controller | Emulex OneConnect OCe14000 NIC | Emulex Corporation | Emulex OCI14000-LOM |
| vmnic1 | 0000:05:00.1 | Ethernet controller | Emulex OneConnect OCe14000 NIC | Emulex Corporation | Emulex OCI14000-LOM |
| vmnic2 | 0000:05:00.2 | Ethernet controller | Emulex OneConnect OCe14000 NIC | Emulex Corporation | Emulex OCI14000-LOM |
| vmnic3 | 0000:05:00.3 | Ethernet controller | Emulex OneConnect OCe14000 NIC | Emulex Corporation | Emulex OCI14000-LOM |
| vmnic4 | 0000:04:00.0 | Ethernet controller | I350 Gigabit Network Connection | Intel Corporation | SLOT 02 |
| vmnic5 | 0000:04:00.1 | Ethernet controller | I350 Gigabit Network Connection | Intel Corporation | SLOT 02 |
| vmnic6 | 0000:04:00.2 | Ethernet controller | I350 Gigabit Network Connection | Intel Corporation | SLOT 02 |
| vmnic7 | 0000:04:00.3 | Ethernet controller | I350 Gigabit Network Connection | Intel Corporation | SLOT 02 |
| vmnic8 | 0000:81:00.0 | Ethernet controller | Ethernet Controller X540-AT2 | Intel Corporation | SLOT 07 |
| vmnic9 | 0000:81:00.1 | Ethernet controller | Ethernet Controller X540-AT2 | Intel Corporation | SLOT 07 |

Tabelle 144 - PCI Devices - esx2.ara-assistance.de

##### 1.4.5.1.3 PCI Devices Drivers & Firmware

| Device | Model | Driver | Driver Version | Firmware Version | VIB Name | VIB Version |
| --- | --- | --- | --- | --- | --- | --- |
| vmhba0 | Wellsburg RAID Controller | vmw\_ahci | 2.0.5-1vmw.670.3.116.16713306 | N/A | vmw-ahci | 2.0.5-1vmw.670.3.116.16713306 |
| vmhba1 | Wellsburg RAID Controller | vmw\_ahci | 2.0.5-1vmw.670.3.116.16713306 | N/A | vmw-ahci | 2.0.5-1vmw.670.3.116.16713306 |
| vmhba2 | ISP2532-based 8Gb Fibre Channel to PCI Express HBA | qlnativefc | 3.1.8.0-5vmw.670.3.73.14320388 | N/A | qlnativefc | 3.1.8.0-5vmw.670.3.73.14320388 |
| vmhba3 | ISP2532-based 8Gb Fibre Channel to PCI Express HBA | qlnativefc | 3.1.8.0-5vmw.670.3.73.14320388 | N/A | qlnativefc | 3.1.8.0-5vmw.670.3.73.14320388 |
| vmhba32 | C610/X99 series chipset USB xHCI Host Controller | vmkusb | 0.1-1vmw.670.3.116.16713306 | N/A | vmkusb | 0.1-1vmw.670.3.116.16713306 |
| vmnic0 | Emulex OneConnect OCe14000 NIC | elxnet | 12.0.1115.0-1OEM.670.0.0.7535516 | 10.2.405.33 | elxnet | 12.0.1115.0-1OEM.670.0.0.7535516 |
| vmnic1 | Emulex OneConnect OCe14000 NIC | elxnet | 12.0.1115.0-1OEM.670.0.0.7535516 | 10.2.405.33 | elxnet | 12.0.1115.0-1OEM.670.0.0.7535516 |
| vmnic2 | Emulex OneConnect OCe14000 NIC | elxnet | 12.0.1115.0-1OEM.670.0.0.7535516 | 10.2.405.33 | elxnet | 12.0.1115.0-1OEM.670.0.0.7535516 |
| vmnic3 | Emulex OneConnect OCe14000 NIC | elxnet | 12.0.1115.0-1OEM.670.0.0.7535516 | 10.2.405.33 | elxnet | 12.0.1115.0-1OEM.670.0.0.7535516 |
| vmnic4 | I350 Gigabit Network Connection | igbn | 1.4.4-1OEM.670.0.0.7535516 | 1.63.0:0x80000c52 | igbn | 1.4.4-1OEM.670.0.0.7535516 |
| vmnic5 | I350 Gigabit Network Connection | igbn | 1.4.4-1OEM.670.0.0.7535516 | 1.63.0:0x80000c52 | igbn | 1.4.4-1OEM.670.0.0.7535516 |
| vmnic6 | I350 Gigabit Network Connection | igbn | 1.4.4-1OEM.670.0.0.7535516 | 1.63.0:0x80000c52 | igbn | 1.4.4-1OEM.670.0.0.7535516 |
| vmnic7 | I350 Gigabit Network Connection | igbn | 1.4.4-1OEM.670.0.0.7535516 | 1.63.0:0x80000c52 | igbn | 1.4.4-1OEM.670.0.0.7535516 |
| vmnic8 | Ethernet Controller X540-AT2 | ixgben | 1.7.1.16-2vmw.670.3.104.16075168 | 0x800005f8 | ixgben | 1.7.1.16-2vmw.670.3.104.16075168 |
| vmnic9 | Ethernet Controller X540-AT2 | ixgben | 1.7.1.16-2vmw.670.3.104.16075168 | 0x800005f8 | ixgben | 1.7.1.16-2vmw.670.3.104.16075168 |

Tabelle 145 - PCI Devices Drivers & Firmware - esx2.ara-assistance.de

#### 1.4.5.2 System

Der folgende Abschnitt beschreibt the host system configuration for esx2.ara-assistance.de.

##### 1.4.5.2.1 Image Profile

| Image Profile | Vendor | Installation Date |
| --- | --- | --- |
| (Updated) Fujitsu-VMvisor-Installer-6.7-9214924-v451-1 | Fujitsu | 04/08/2016 09:26:53 |

Tabelle 146 - Image Profile - esx2.ara-assistance.de

##### 1.4.5.2.2 Time Configuration

| Time Zone | NTP Service | NTP Server(s) |
| --- | --- | --- |
| UTC | Running | 0.pool.ntp.org, 1.pool.ntp.org |

Tabelle 147 - Time Configuration - esx2.ara-assistance.de

##### 1.4.5.2.3 Syslog Configuration

| SysLog Server | Port |
| --- | --- |
| vcenter6.ara-assistance.de |  |

Tabelle 148 - Syslog Configuration - esx2.ara-assistance.de

#### 1.4.5.3 Storage

Der folgende Abschnitt beschreibt the host storage configuration for esx2.ara-assistance.de.

##### 1.4.5.3.1 Datastores

| Datastore | Type | Version | # of VMs | Total Capacity GB | Used Capacity GB | Free Space GB | % Used |
| --- | --- | --- | --- | --- | --- | --- | --- |
| SAS\_VMDK10 | VMFS | 5.61 | 11 | 2047.75 | 136.31 | 1911.44 | 6.66 |
| SAS\_VMDK11 | VMFS | 5.61 | 1 | 2047.75 | 253.50 | 1794.25 | 12.38 |
| SAS\_VMDK12 | VMFS | 5.61 | 0 | 3481.5 | 0.97 | 3480.53 | 0.03 |
| SSD\_VMDK1 | VMFS | 5.61 | 0 | 2559.75 | 8.57 | 2551.18 | 0.33 |
| VeeamBackup\_B2D-BW.ara-assistance.de | NFS | 3.0 | 2 | 99.87 | 12.11 | 87.76 | 12.13 |

Tabelle 149 - Datastores - esx2.ara-assistance.de

##### 1.4.5.3.2 Storage Adapters

Der folgende Abschnitt beschreibt the storage adapter configuration for esx2.ara-assistance.de.

##### 1.4.5.3.2.1 vmhba0

|  |  |
| --- | --- |
| Adapter | vmhba0 |
| Type | Block |
| Model | Wellsburg RAID Controller |
| Status | Unknown |
| Targets | 0 |
| Devices | 0 |
| Paths | 0 |

Tabelle 150 - Storage Adapter vmhba0 - esx2.ara-assistance.de

##### 1.4.5.3.2.2 vmhba1

|  |  |
| --- | --- |
| Adapter | vmhba1 |
| Type | Block |
| Model | Wellsburg RAID Controller |
| Status | Unknown |
| Targets | 0 |
| Devices | 0 |
| Paths | 0 |

Tabelle 151 - Storage Adapter vmhba1 - esx2.ara-assistance.de

##### 1.4.5.3.2.3 vmhba2

|  |  |
| --- | --- |
| Adapter | vmhba2 |
| Type | Fibre Channel |
| Model | ISP2532-based 8Gb Fibre Channel to PCI Express HBA |
| Status | Online |
| Targets | 3 |
| Devices | 4 |
| Paths | 12 |
| Node WWN | 20:00:00:24:FF:0F:2B:A6 |
| Port WWN | 21:00:00:24:FF:0F:2B:A6 |
| Speed | 8 |

Tabelle 152 - Storage Adapter vmhba2 - esx2.ara-assistance.de

##### 1.4.5.3.2.4 vmhba3

|  |  |
| --- | --- |
| Adapter | vmhba3 |
| Type | Fibre Channel |
| Model | ISP2532-based 8Gb Fibre Channel to PCI Express HBA |
| Status | Online |
| Targets | 2 |
| Devices | 4 |
| Paths | 8 |
| Node WWN | 20:00:00:24:FF:0F:2A:F3 |
| Port WWN | 21:00:00:24:FF:0F:2A:F3 |
| Speed | 8 |

Tabelle 153 - Storage Adapter vmhba3 - esx2.ara-assistance.de

##### 1.4.5.3.2.5 vmhba32

|  |  |
| --- | --- |
| Adapter | vmhba32 |
| Type | Block |
| Model | USB Storage Controller |
| Status | Unknown |
| Targets | 1 |
| Devices | 1 |
| Paths | 1 |

Tabelle 154 - Storage Adapter vmhba32 - esx2.ara-assistance.de

#### 1.4.5.4 Network

Der folgende Abschnitt beschreibt the host network configuration for esx2.ara-assistance.de.

|  |  |
| --- | --- |
| Host | esx2.ara-assistance.de |
| Virtual Switches | vSwitch0, vSwitch1, vSwitch2 |
| VMkernel Adapters | vmk0, vmk1, vmk2, vmk3 |
| Physical Adapters | vmnic0, vmnic1, vmnic2, vmnic3, vmnic4, vmnic5, vmnic6, vmnic7, vmnic8, vmnic9 |
| VMkernel Gateway | 165.1.83.3 |
| IPv6 | Disabled |
| VMkernel IPv6 Gateway | -- |
| DNS Servers | 10.101.35.1, 10.101.35.2 |
| Host Name | ESX2 |
| Domain Name | ara-assistance.de |
| Search Domain | ara-assistance.de |

Tabelle 155 - Network Configuration - esx2.ara-assistance.de

##### 1.4.5.4.1 Physical Adapters

Der folgende Abschnitt beschreibt the physical network adapter configuration for esx2.ara-assistance.de.

| Adapter | Status | Virtual Switch | MAC Address | Actual Speed, Duplex | Configured Speed, Duplex | Wake on LAN |
| --- | --- | --- | --- | --- | --- | --- |
| vmnic0 | Connected | vSwitch0 | 90:1b:0e:60:88:04 | 1000 Mbps, Full Duplex | Auto negotiate | Supported |
| vmnic1 | Connected | vSwitch1 | 90:1b:0e:60:88:05 | 1000 Mbps, Full Duplex | Auto negotiate | Supported |
| vmnic2 | Connected | vSwitch1 | 90:1b:0e:60:88:06 | 1000 Mbps, Full Duplex | Auto negotiate | Supported |
| vmnic3 | Connected | vSwitch2 | 90:1b:0e:60:88:07 | 1000 Mbps, Full Duplex | Auto negotiate | Supported |
| vmnic4 | Connected | vSwitch0 | a0:36:9f:75:68:f4 | 1000 Mbps, Full Duplex | Auto negotiate | Supported |
| vmnic5 | Connected | vSwitch1 | a0:36:9f:75:68:f5 | 1000 Mbps, Full Duplex | Auto negotiate | Not Supported |
| vmnic6 | Connected | vSwitch1 | a0:36:9f:75:68:f6 | 1000 Mbps, Full Duplex | Auto negotiate | Not Supported |
| vmnic7 | Connected | vSwitch2 | a0:36:9f:75:68:f7 | 1000 Mbps, Full Duplex | Auto negotiate | Not Supported |
| vmnic8 | Connected | vSwitch1 | b4:96:91:01:d4:ec | 10000 Mbps, Full Duplex | Auto negotiate | Not Supported |
| vmnic9 | Disconnected | vSwitch1 | b4:96:91:01:d4:ee | Down | Auto negotiate | Not Supported |

Tabelle 156 - Physical Adapters - esx2.ara-assistance.de

##### 1.4.5.4.2 VMkernel Adapters

Der folgende Abschnitt beschreibt the VMkernel adapter configuration for esx2.ara-assistance.de

##### 1.4.5.4.2.1 vmk0

|  |  |
| --- | --- |
| Adapter | vmk0 |
| Network Label | Management Network |
| Virtual Switch | vSwitch0 |
| TCP/IP Stack | Default |
| MTU | 1500 |
| MAC Address | 90:1b:0e:60:88:04 |
| DHCP | Disabled |
| IP Address | 165.1.83.44 |
| Subnet Mask | 255.255.255.0 |
| Default Gateway | -- |
| vMotion | Disabled |
| Provisioning | Disabled |
| FT Logging | Disabled |
| Management | Enabled |
| vSphere Replication | Disabled |
| vSphere Replication NFC | Disabled |
| vSAN | Disabled |
| vSAN Witness | Disabled |
| vSphere Backup NFC | Disabled |

Tabelle 157 - VMkernel Adapter vmk0 - esx2.ara-assistance.de

##### 1.4.5.4.2.2 vmk1

|  |  |
| --- | --- |
| Adapter | vmk1 |
| Network Label | VMOTION1 |
| Virtual Switch | vSwitch0 |
| TCP/IP Stack | Default |
| MTU | 1500 |
| MAC Address | 00:50:56:6c:12:5f |
| DHCP | Disabled |
| IP Address | 192.168.13.44 |
| Subnet Mask | 255.255.255.0 |
| Default Gateway | -- |
| vMotion | Enabled |
| Provisioning | Disabled |
| FT Logging | Disabled |
| Management | Disabled |
| vSphere Replication | Disabled |
| vSphere Replication NFC | Disabled |
| vSAN | Disabled |
| vSAN Witness | Disabled |
| vSphere Backup NFC | Disabled |

Tabelle 158 - VMkernel Adapter vmk1 - esx2.ara-assistance.de

##### 1.4.5.4.2.3 vmk2

|  |  |
| --- | --- |
| Adapter | vmk2 |
| Network Label | VMOTION2 |
| Virtual Switch | vSwitch0 |
| TCP/IP Stack | Default |
| MTU | 1500 |
| MAC Address | 00:50:56:64:d5:2e |
| DHCP | Disabled |
| IP Address | 192.168.13.46 |
| Subnet Mask | 255.255.255.0 |
| Default Gateway | -- |
| vMotion | Enabled |
| Provisioning | Disabled |
| FT Logging | Disabled |
| Management | Disabled |
| vSphere Replication | Disabled |
| vSphere Replication NFC | Disabled |
| vSAN | Disabled |
| vSAN Witness | Disabled |
| vSphere Backup NFC | Disabled |

Tabelle 159 - VMkernel Adapter vmk2 - esx2.ara-assistance.de

##### 1.4.5.4.2.4 vmk3

|  |  |
| --- | --- |
| Adapter | vmk3 |
| Network Label | VMkernel |
| Virtual Switch | vSwitch1 |
| TCP/IP Stack | Default |
| MTU | 1500 |
| MAC Address | 00:50:56:68:b8:5d |
| DHCP | Disabled |
| IP Address | 192.168.11.68 |
| Subnet Mask | 255.255.255.0 |
| Default Gateway | -- |
| vMotion | Disabled |
| Provisioning | Disabled |
| FT Logging | Disabled |
| Management | Disabled |
| vSphere Replication | Disabled |
| vSphere Replication NFC | Disabled |
| vSAN | Disabled |
| vSAN Witness | Disabled |
| vSphere Backup NFC | Disabled |

Tabelle 160 - VMkernel Adapter vmk3 - esx2.ara-assistance.de

##### 1.4.5.4.3 Standard Virtual Switches

Der folgende Abschnitt beschreibt the standard virtual switch configuration for esx2.ara-assistance.de.

| Virtual Switch | MTU | Number of Ports | Number of Ports Available |
| --- | --- | --- | --- |
| vSwitch0 | 1500 | 6656 | 6628 |
| vSwitch1 | 1500 | 6656 | 6628 |
| vSwitch2 | 1500 | 6656 | 6628 |

Tabelle 161 - Standard Virtual Switches - esx2.ara-assistance.de

##### 1.4.5.4.3.1 Virtual Switch Security

| Virtual Switch | Promiscuous Mode | MAC Address Changes | Forged Transmits |
| --- | --- | --- | --- |
| vSwitch0 | Reject | Reject | Reject |
| vSwitch1 | Reject | Reject | Reject |
| vSwitch2 | Reject | Reject | Reject |

Tabelle 162 - Virtual Switch Security Policy - esx2.ara-assistance.de

##### 1.4.5.4.3.2 Virtual Switch Traffic Shaping

| Virtual Switch | Status | Average Bandwidth (kbit/s) | Peak Bandwidth (kbit/s) | Burst Size (KB) |
| --- | --- | --- | --- | --- |
| vSwitch0 | Disabled |  |  |  |
| vSwitch1 | Disabled |  |  |  |
| vSwitch2 | Disabled |  |  |  |

Tabelle 163 - Virtual Switch Traffic Shaping Policy - esx2.ara-assistance.de

##### 1.4.5.4.3.3 Virtual Switch Teaming & Failover

| Virtual Switch | Load Balancing | Network Failure Detection | Notify Switches | Failback | Active NICs | Standby NICs | Unused NICs |
| --- | --- | --- | --- | --- | --- | --- | --- |
| vSwitch0 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic0 vmnic4 |  |  |
| vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic8 vmnic9 | vmnic1 vmnic2 vmnic5 vmnic6 |  |
| vSwitch2 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic3 vmnic7 |  |  |

Tabelle 164 - Virtual Switch Teaming & Failover - esx2.ara-assistance.de

##### 1.4.5.4.3.4 Virtual Switch Port Groups

| Port Group | VLAN ID | Virtual Switch | # of VMs |
| --- | --- | --- | --- |
| 31\_ARCD\_SERVER | 31 | vSwitch1 | 0 |
| 35\_ARA\_SERVER | 35 | vSwitch1 | 0 |
| 41\_ARCD\_CLIENT | 41 | vSwitch1 | 0 |
| 45\_ARA\_CLIENT | 45 | vSwitch1 | 0 |
| ARA\_LAN | 2 | vSwitch1 | 0 |
| ARA\_SERVER | 16 | vSwitch1 | 0 |
| ARCD\_LAN | 0 | vSwitch1 | 0 |
| DMZ-10 | 3 | vSwitch2 | 0 |
| DMZ-200 | 4 | vSwitch2 | 0 |
| EXCHANGE | 17 | vSwitch1 | 0 |
| Management Network | 0 | vSwitch0 | 0 |
| TK\_CLIENT | 25 | vSwitch1 | 0 |
| TK\_LAN | 8 | vSwitch2 | 0 |
| TK\_SERVER | 24 | vSwitch1 | 0 |
| VMkernel | 0 | vSwitch1 | 0 |
| VMOTION1 | 10 | vSwitch0 | 0 |
| VMOTION2 | 10 | vSwitch0 | 0 |

Tabelle 165 - Virtual Switch Port Groups - esx2.ara-assistance.de

##### 1.4.5.4.3.5 Virtual Switch Port Group Security

| Port Group | Virtual Switch | Promiscuous Mode | MAC Changes | Forged Transmits |
| --- | --- | --- | --- | --- |
| 31\_ARCD\_SERVER | vSwitch1 | Reject | Reject | Reject |
| 35\_ARA\_SERVER | vSwitch1 | Reject | Reject | Reject |
| 41\_ARCD\_CLIENT | vSwitch1 | Reject | Reject | Reject |
| 45\_ARA\_CLIENT | vSwitch1 | Reject | Reject | Reject |
| ARA\_LAN | vSwitch1 | Reject | Reject | Reject |
| ARA\_SERVER | vSwitch1 | Reject | Reject | Reject |
| ARCD\_LAN | vSwitch1 | Reject | Reject | Reject |
| DMZ-10 | vSwitch2 | Reject | Reject | Reject |
| DMZ-200 | vSwitch2 | Reject | Reject | Reject |
| EXCHANGE | vSwitch1 | Reject | Reject | Reject |
| Management Network | vSwitch0 | Reject | Reject | Reject |
| TK\_CLIENT | vSwitch1 | Reject | Reject | Reject |
| TK\_LAN | vSwitch2 | Reject | Reject | Reject |
| TK\_SERVER | vSwitch1 | Reject | Reject | Reject |
| VMkernel | vSwitch1 | Reject | Reject | Reject |
| VMOTION1 | vSwitch0 | Reject | Reject | Reject |
| VMOTION2 | vSwitch0 | Reject | Reject | Reject |

Tabelle 166 - Virtual Switch Port Group Security Policy - esx2.ara-assistance.de

##### 1.4.5.4.3.6 Virtual Switch Port Group Traffic Shaping

| Port Group | Virtual Switch | Status | Average Bandwidth (kbit/s) | Peak Bandwidth (kbit/s) | Burst Size (KB) |
| --- | --- | --- | --- | --- | --- |
| 31\_ARCD\_SERVER | vSwitch1 | Inherited |  |  |  |
| 35\_ARA\_SERVER | vSwitch1 | Inherited |  |  |  |
| 41\_ARCD\_CLIENT | vSwitch1 | Inherited |  |  |  |
| 45\_ARA\_CLIENT | vSwitch1 | Inherited |  |  |  |
| ARA\_LAN | vSwitch1 | Inherited |  |  |  |
| ARA\_SERVER | vSwitch1 | Inherited |  |  |  |
| ARCD\_LAN | vSwitch1 | Inherited |  |  |  |
| DMZ-10 | vSwitch2 | Inherited |  |  |  |
| DMZ-200 | vSwitch2 | Inherited |  |  |  |
| EXCHANGE | vSwitch1 | Inherited |  |  |  |
| Management Network | vSwitch0 | Inherited |  |  |  |
| TK\_CLIENT | vSwitch1 | Inherited |  |  |  |
| TK\_LAN | vSwitch2 | Inherited |  |  |  |
| TK\_SERVER | vSwitch1 | Inherited |  |  |  |
| VMkernel | vSwitch1 | Inherited |  |  |  |
| VMOTION1 | vSwitch0 | Inherited |  |  |  |
| VMOTION2 | vSwitch0 | Inherited |  |  |  |

Tabelle 167 - Virtual Switch Port Group Traffic Shaping Policy - esx2.ara-assistance.de

##### 1.4.5.4.3.7 Virtual Switch Port Group Teaming & Failover

| Port Group | Virtual Switch | Load Balancing | Network Failure Detection | Notify Switches | Failback | Active NICs | Standby NICs | Unused NICs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 31\_ARCD\_SERVER | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic8 vmnic9 | vmnic1 vmnic2 vmnic5 vmnic6 |  |
| 35\_ARA\_SERVER | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic8 vmnic9 | vmnic1 vmnic2 vmnic5 vmnic6 |  |
| 41\_ARCD\_CLIENT | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic8 vmnic9 | vmnic1 vmnic2 vmnic5 vmnic6 |  |
| 45\_ARA\_CLIENT | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic8 vmnic9 | vmnic1 vmnic2 vmnic5 vmnic6 |  |
| ARA\_LAN | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic8 vmnic9 | vmnic1 vmnic2 vmnic5 vmnic6 |  |
| ARA\_SERVER | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic8 vmnic9 | vmnic1 vmnic2 vmnic5 vmnic6 |  |
| ARCD\_LAN | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic8 vmnic9 | vmnic1 vmnic2 vmnic5 vmnic6 |  |
| DMZ-10 | vSwitch2 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic3 vmnic7 |  |  |
| DMZ-200 | vSwitch2 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic3 vmnic7 |  |  |
| EXCHANGE | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic8 vmnic9 | vmnic1 vmnic2 vmnic5 vmnic6 |  |
| Management Network | vSwitch0 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic0 vmnic4 |  |  |
| TK\_CLIENT | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic8 vmnic9 | vmnic1 vmnic2 vmnic5 vmnic6 |  |
| TK\_LAN | vSwitch2 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic3 vmnic7 |  |  |
| TK\_SERVER | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic8 vmnic9 | vmnic1 vmnic2 vmnic5 vmnic6 |  |
| VMkernel | vSwitch1 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic8 vmnic9 | vmnic1 vmnic2 vmnic5 vmnic6 |  |
| VMOTION1 | vSwitch0 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic0 vmnic4 |  |  |
| VMOTION2 | vSwitch0 | Route based on the originating port ID | Link status only | Yes | Yes | vmnic0 vmnic4 |  |  |

Tabelle 168 - Virtual Switch Port Group Teaming & Failover - esx2.ara-assistance.de

#### 1.4.5.5 Security

Der folgende Abschnitt beschreibt the host security configuration for esx2.ara-assistance.de.

##### 1.4.5.5.1 Lockdown Mode

|  |  |
| --- | --- |
| Lockdown Mode | Disabled |

Tabelle 169 - Lockdown Mode - esx2.ara-assistance.de

##### 1.4.5.5.2 Services

| Service | Daemon | Startup Policy |
| --- | --- | --- |
| Active Directory Service | Stopped | Start and stop manually |
| CIM Server | Running | Start and stop with host |
| Direct Console UI | Stopped | Start and stop manually |
| ESXi Shell | Stopped | Start and stop manually |
| Load-Based Teaming Daemon | Running | Start and stop with host |
| NTP Daemon | Running | Start and stop with host |
| PC/SC Smart Card Daemon | Stopped | Start and stop manually |
| SNMP Server | Stopped | Start and stop with host |
| SSH | Stopped | Start and stop manually |
| Syslog Server | Running | Start and stop with host |
| VMware vCenter Agent | Running | Start and stop with host |
| vSphere High Availability Agent | Running | Start and stop with host |
| X.Org Server | Stopped | Start and stop with host |

Tabelle 170 - Services - esx2.ara-assistance.de

## 1.5 Datastores

Die folgenden Abschnitte detail the configuration of datastores managed by vCenter Server vcenter01.ara-assistance.de.

### 1.5.1 esx01\_local

|  |  |
| --- | --- |
| Datastore | esx01\_local |
| ID | Datastore-datastore-50788 |
| Datacenter | ARA\_ARCD\_Datacenter |
| Type | VMFS |
| Version | 6.82 |
| State | Available |
| Number of Hosts | 1 |
| Number of VMs | 0 |
| Storage I/O Control | Disabled |
| Congestion Threshold | 30 ms |
| Total Capacity | 318.5 GB |
| Used Capacity | 1.43 GB |
| Free Space | 317.07 GB |
| % Used | 0.45 |

Tabelle 171 - Datastore Configuration - esx01\_local

### 1.5.2 esx02\_local

|  |  |
| --- | --- |
| Datastore | esx02\_local |
| ID | Datastore-datastore-50794 |
| Datacenter | ARA\_ARCD\_Datacenter |
| Type | VMFS |
| Version | 6.82 |
| State | Available |
| Number of Hosts | 1 |
| Number of VMs | 0 |
| Storage I/O Control | Disabled |
| Congestion Threshold | 30 ms |
| Total Capacity | 318.5 GB |
| Used Capacity | 1.43 GB |
| Free Space | 317.07 GB |
| % Used | 0.45 |

Tabelle 172 - Datastore Configuration - esx02\_local

### 1.5.3 SAS\_VMDK10

|  |  |
| --- | --- |
| Datastore | SAS\_VMDK10 |
| ID | Datastore-datastore-54 |
| Datacenter | ARA\_ARCD\_Datacenter |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 3 |
| Number of VMs | 11 |
| Storage I/O Control | Disabled |
| Congestion Threshold | 30 ms |
| Total Capacity | 2047.75 GB |
| Used Capacity | 136.31 GB |
| Free Space | 1911.44 GB |
| % Used | 6.66 |

Tabelle 173 - Datastore Configuration - SAS\_VMDK10

#### 1.5.3.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy | Paths |
| --- | --- | --- | --- | --- | --- | --- | --- |
| esx02-bw.ara-assistance.de | naa.600000e00d2800000028240600010000 | 2048 | FUJITSU | ETERNUS\_DXL | False | Most Recently Used | 5 |
| esx1.ara-assistance.de | naa.600000e00d2800000028240600010000 | 2048 | FUJITSU | ETERNUS\_DXL | False | Round Robin | 5 |
| esx2.ara-assistance.de | naa.600000e00d2800000028240600010000 | 2048 | FUJITSU | ETERNUS\_DXL | False | Most Recently Used | 5 |

Tabelle 174 - SCSI LUN Information - vcenter01.ara-assistance.de

### 1.5.4 SAS\_VMDK11

|  |  |
| --- | --- |
| Datastore | SAS\_VMDK11 |
| ID | Datastore-datastore-55 |
| Datacenter | ARA\_ARCD\_Datacenter |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 3 |
| Number of VMs | 1 |
| Storage I/O Control | Disabled |
| Congestion Threshold | 30 ms |
| Total Capacity | 2047.75 GB |
| Used Capacity | 253.50 GB |
| Free Space | 1794.25 GB |
| % Used | 12.38 |

Tabelle 175 - Datastore Configuration - SAS\_VMDK11

#### 1.5.4.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy | Paths |
| --- | --- | --- | --- | --- | --- | --- | --- |
| esx02-bw.ara-assistance.de | naa.600000e00d2800000028240600020000 | 2048 | FUJITSU | ETERNUS\_DXL | False | Most Recently Used | 5 |
| esx1.ara-assistance.de | naa.600000e00d2800000028240600020000 | 2048 | FUJITSU | ETERNUS\_DXL | False | Most Recently Used | 5 |
| esx2.ara-assistance.de | naa.600000e00d2800000028240600020000 | 2048 | FUJITSU | ETERNUS\_DXL | False | Most Recently Used | 5 |

Tabelle 176 - SCSI LUN Information - vcenter01.ara-assistance.de

### 1.5.5 SAS\_VMDK12

|  |  |
| --- | --- |
| Datastore | SAS\_VMDK12 |
| ID | Datastore-datastore-56 |
| Datacenter | ARA\_ARCD\_Datacenter |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 3 |
| Number of VMs | 0 |
| Storage I/O Control | Disabled |
| Congestion Threshold | 30 ms |
| Total Capacity | 3481.5 GB |
| Used Capacity | 0.97 GB |
| Free Space | 3480.53 GB |
| % Used | 0.03 |

Tabelle 177 - Datastore Configuration - SAS\_VMDK12

#### 1.5.5.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy | Paths |
| --- | --- | --- | --- | --- | --- | --- | --- |
| esx02-bw.ara-assistance.de | naa.600000e00d2800000028240600030000 | 3481.6 | FUJITSU | ETERNUS\_DXL | False | Most Recently Used | 5 |
| esx1.ara-assistance.de | naa.600000e00d2800000028240600030000 | 3481.6 | FUJITSU | ETERNUS\_DXL | False | Most Recently Used | 5 |
| esx2.ara-assistance.de | naa.600000e00d2800000028240600030000 | 3481.6 | FUJITSU | ETERNUS\_DXL | False | Most Recently Used | 5 |

Tabelle 178 - SCSI LUN Information - vcenter01.ara-assistance.de

### 1.5.6 SAS\_VMDK20\_AN

|  |  |
| --- | --- |
| Datastore | SAS\_VMDK20\_AN |
| ID | Datastore-datastore-391 |
| Datacenter | ARA\_ARCD\_Datacenter |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 2 |
| Number of VMs | 15 |
| Storage I/O Control | Disabled |
| Congestion Threshold | 30 ms |
| Total Capacity | 4095.75 GB |
| Used Capacity | 2177.76 GB |
| Free Space | 1917.99 GB |
| % Used | 53.17 |

Tabelle 179 - Datastore Configuration - SAS\_VMDK20\_AN

#### 1.5.6.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy | Paths |
| --- | --- | --- | --- | --- | --- | --- | --- |
| esx1-an.ara-assistance.de | naa.600000e00d29000000291f1900000000 | 4096 | FUJITSU | ETERNUS\_DXL | False | Most Recently Used | 2 |
| esx2-an.ara-assistance.de | naa.600000e00d29000000291f1900000000 | 4096 | FUJITSU | ETERNUS\_DXL | False | Most Recently Used | 2 |

Tabelle 180 - SCSI LUN Information - vcenter01.ara-assistance.de

### 1.5.7 SAS\_VMDK21\_AN

|  |  |
| --- | --- |
| Datastore | SAS\_VMDK21\_AN |
| ID | Datastore-datastore-392 |
| Datacenter | ARA\_ARCD\_Datacenter |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 2 |
| Number of VMs | 8 |
| Storage I/O Control | Disabled |
| Congestion Threshold | 30 ms |
| Total Capacity | 4095.75 GB |
| Used Capacity | 2339.71 GB |
| Free Space | 1756.04 GB |
| % Used | 57.13 |

Tabelle 181 - Datastore Configuration - SAS\_VMDK21\_AN

#### 1.5.7.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy | Paths |
| --- | --- | --- | --- | --- | --- | --- | --- |
| esx1-an.ara-assistance.de | naa.600000e00d29000000291f1900010000 | 4096 | FUJITSU | ETERNUS\_DXL | False | Most Recently Used | 2 |
| esx2-an.ara-assistance.de | naa.600000e00d29000000291f1900010000 | 4096 | FUJITSU | ETERNUS\_DXL | False | Most Recently Used | 2 |

Tabelle 182 - SCSI LUN Information - vcenter01.ara-assistance.de

### 1.5.8 SAS\_VMDK22\_AN

|  |  |
| --- | --- |
| Datastore | SAS\_VMDK22\_AN |
| ID | Datastore-datastore-393 |
| Datacenter | ARA\_ARCD\_Datacenter |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 2 |
| Number of VMs | 1 |
| Storage I/O Control | Disabled |
| Congestion Threshold | 30 ms |
| Total Capacity | 2047.75 GB |
| Used Capacity | 1.49 GB |
| Free Space | 2046.26 GB |
| % Used | 0.07 |

Tabelle 183 - Datastore Configuration - SAS\_VMDK22\_AN

#### 1.5.8.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy | Paths |
| --- | --- | --- | --- | --- | --- | --- | --- |
| esx1-an.ara-assistance.de | naa.600000e00d29000000291f1900020000 | 2048 | FUJITSU | ETERNUS\_DXL | False | Most Recently Used | 2 |
| esx2-an.ara-assistance.de | naa.600000e00d29000000291f1900020000 | 2048 | FUJITSU | ETERNUS\_DXL | False | Most Recently Used | 2 |

Tabelle 184 - SCSI LUN Information - vcenter01.ara-assistance.de

### 1.5.9 SAS\_VMDK23\_AN

|  |  |
| --- | --- |
| Datastore | SAS\_VMDK23\_AN |
| ID | Datastore-datastore-394 |
| Datacenter | ARA\_ARCD\_Datacenter |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 2 |
| Number of VMs | 0 |
| Storage I/O Control | Disabled |
| Congestion Threshold | 30 ms |
| Total Capacity | 2047.75 GB |
| Used Capacity | 0.96 GB |
| Free Space | 2046.79 GB |
| % Used | 0.05 |

Tabelle 185 - Datastore Configuration - SAS\_VMDK23\_AN

#### 1.5.9.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy | Paths |
| --- | --- | --- | --- | --- | --- | --- | --- |
| esx1-an.ara-assistance.de | naa.600000e00d29000000291f1900030000 | 2048 | FUJITSU | ETERNUS\_DXL | False | Most Recently Used | 2 |
| esx2-an.ara-assistance.de | naa.600000e00d29000000291f1900030000 | 2048 | FUJITSU | ETERNUS\_DXL | False | Most Recently Used | 2 |

Tabelle 186 - SCSI LUN Information - vcenter01.ara-assistance.de

### 1.5.10 SAS\_VMDK24\_AN

|  |  |
| --- | --- |
| Datastore | SAS\_VMDK24\_AN |
| ID | Datastore-datastore-395 |
| Datacenter | ARA\_ARCD\_Datacenter |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 2 |
| Number of VMs | 0 |
| Storage I/O Control | Disabled |
| Congestion Threshold | 30 ms |
| Total Capacity | 2047.75 GB |
| Used Capacity | 0.96 GB |
| Free Space | 2046.79 GB |
| % Used | 0.05 |

Tabelle 187 - Datastore Configuration - SAS\_VMDK24\_AN

#### 1.5.10.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy | Paths |
| --- | --- | --- | --- | --- | --- | --- | --- |
| esx1-an.ara-assistance.de | naa.600000e00d29000000291f1900040000 | 2048 | FUJITSU | ETERNUS\_DXL | False | Most Recently Used | 2 |
| esx2-an.ara-assistance.de | naa.600000e00d29000000291f1900040000 | 2048 | FUJITSU | ETERNUS\_DXL | False | Most Recently Used | 2 |

Tabelle 188 - SCSI LUN Information - vcenter01.ara-assistance.de

### 1.5.11 SAS\_VMDK25\_AN

|  |  |
| --- | --- |
| Datastore | SAS\_VMDK25\_AN |
| ID | Datastore-datastore-396 |
| Datacenter | ARA\_ARCD\_Datacenter |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 2 |
| Number of VMs | 0 |
| Storage I/O Control | Disabled |
| Congestion Threshold | 30 ms |
| Total Capacity | 2047.75 GB |
| Used Capacity | 0.96 GB |
| Free Space | 2046.79 GB |
| % Used | 0.05 |

Tabelle 189 - Datastore Configuration - SAS\_VMDK25\_AN

#### 1.5.11.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy | Paths |
| --- | --- | --- | --- | --- | --- | --- | --- |
| esx1-an.ara-assistance.de | naa.600000e00d29000000291f1900050000 | 2048 | FUJITSU | ETERNUS\_DXL | False | Most Recently Used | 2 |
| esx2-an.ara-assistance.de | naa.600000e00d29000000291f1900050000 | 2048 | FUJITSU | ETERNUS\_DXL | False | Most Recently Used | 2 |

Tabelle 190 - SCSI LUN Information - vcenter01.ara-assistance.de

### 1.5.12 SATA\_VMDK01\_LOCAL

|  |  |
| --- | --- |
| Datastore | SATA\_VMDK01\_LOCAL |
| ID | Datastore-datastore-412 |
| Datacenter | ARA\_ARCD\_Datacenter |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 1 |
| Number of VMs | 0 |
| Storage I/O Control | Disabled |
| Congestion Threshold | 30 ms |
| Total Capacity | 923.5 GB |
| Used Capacity | 0.95 GB |
| Free Space | 922.55 GB |
| % Used | 0.10 |

Tabelle 191 - Datastore Configuration - SATA\_VMDK01\_LOCAL

### 1.5.13 SATA\_VMDK02\_LOCAL

|  |  |
| --- | --- |
| Datastore | SATA\_VMDK02\_LOCAL |
| ID | Datastore-datastore-413 |
| Datacenter | ARA\_ARCD\_Datacenter |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 1 |
| Number of VMs | 0 |
| Storage I/O Control | Disabled |
| Congestion Threshold | 30 ms |
| Total Capacity | 26078.25 GB |
| Used Capacity | 1.08 GB |
| Free Space | 26077.17 GB |
| % Used | 0.00 |

Tabelle 192 - Datastore Configuration - SATA\_VMDK02\_LOCAL

### 1.5.14 SSD\_VMDK1

|  |  |
| --- | --- |
| Datastore | SSD\_VMDK1 |
| ID | Datastore-datastore-53 |
| Datacenter | ARA\_ARCD\_Datacenter |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 3 |
| Number of VMs | 0 |
| Storage I/O Control | Disabled |
| Congestion Threshold | 30 ms |
| Total Capacity | 2559.75 GB |
| Used Capacity | 8.57 GB |
| Free Space | 2551.18 GB |
| % Used | 0.33 |

Tabelle 193 - Datastore Configuration - SSD\_VMDK1

#### 1.5.14.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy | Paths |
| --- | --- | --- | --- | --- | --- | --- | --- |
| esx02-bw.ara-assistance.de | naa.600000e00d2800000028240600000000 | 2560 | FUJITSU | ETERNUS\_DXL | False | Most Recently Used | 5 |
| esx1.ara-assistance.de | naa.600000e00d2800000028240600000000 | 2560 | FUJITSU | ETERNUS\_DXL | False | Round Robin | 5 |
| esx2.ara-assistance.de | naa.600000e00d2800000028240600000000 | 2560 | FUJITSU | ETERNUS\_DXL | False | Most Recently Used | 5 |

Tabelle 194 - SCSI LUN Information - vcenter01.ara-assistance.de

### 1.5.15 VeeamBackup\_B2D-AN.ara-assistance.de

|  |  |
| --- | --- |
| Datastore | VeeamBackup\_B2D-AN.ara-assistance.de |
| ID | Datastore-datastore-31157 |
| Datacenter | ARA\_ARCD\_Datacenter |
| Type | NFS |
| Version | 3.0 |
| State | Available |
| Number of Hosts | 1 |
| Number of VMs | 1 |
| Storage I/O Control | Disabled |
| Congestion Threshold | 30 ms |
| Total Capacity | 29.87 GB |
| Used Capacity | 9.18 GB |
| Free Space | 20.69 GB |
| % Used | 30.74 |

Tabelle 195 - Datastore Configuration - VeeamBackup\_B2D-AN.ara-assistance.de

### 1.5.16 VeeamBackup\_B2D-BW.ara-assistance.de

|  |  |
| --- | --- |
| Datastore | VeeamBackup\_B2D-BW.ara-assistance.de |
| ID | Datastore-datastore-57 |
| Datacenter | ARA\_ARCD\_Datacenter |
| Type | NFS |
| Version | 3.0 |
| State | Available |
| Number of Hosts | 2 |
| Number of VMs | 2 |
| Storage I/O Control | Disabled |
| Congestion Threshold | 30 ms |
| Total Capacity | 99.87 GB |
| Used Capacity | 12.11 GB |
| Free Space | 87.76 GB |
| % Used | 12.13 |

Tabelle 196 - Datastore Configuration - VeeamBackup\_B2D-BW.ara-assistance.de

### 1.5.17 VMW-VOL01

|  |  |
| --- | --- |
| Datastore | VMW-VOL01 |
| ID | Datastore-datastore-50789 |
| Datacenter | ARA\_ARCD\_Datacenter |
| Type | VMFS |
| Version | 6.82 |
| State | Available |
| Number of Hosts | 2 |
| Number of VMs | 17 |
| Storage I/O Control | Disabled |
| Congestion Threshold | 30 ms |
| Total Capacity | 3071.75 GB |
| Used Capacity | 1762.08 GB |
| Free Space | 1309.67 GB |
| % Used | 57.36 |

Tabelle 197 - Datastore Configuration - VMW-VOL01

#### 1.5.17.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy | Paths |
| --- | --- | --- | --- | --- | --- | --- | --- |
| esx01-bw.ara-assistance.de | naa.60050768128000419000000000000004 | 3072 | IBM | 2145 | False | Round Robin | 8 |
| esx02-bw.ara-assistance.de | naa.60050768128000419000000000000004 | 3072 | IBM | 2145 | True | Most Recently Used | 8 |

Tabelle 198 - SCSI LUN Information - vcenter01.ara-assistance.de

### 1.5.18 VMW-VOL02

|  |  |
| --- | --- |
| Datastore | VMW-VOL02 |
| ID | Datastore-datastore-50804 |
| Datacenter | ARA\_ARCD\_Datacenter |
| Type | VMFS |
| Version | 6.82 |
| State | Available |
| Number of Hosts | 2 |
| Number of VMs | 15 |
| Storage I/O Control | Disabled |
| Congestion Threshold | 30 ms |
| Total Capacity | 3071.75 GB |
| Used Capacity | 2108.76 GB |
| Free Space | 962.99 GB |
| % Used | 68.65 |

Tabelle 199 - Datastore Configuration - VMW-VOL02

#### 1.5.18.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy | Paths |
| --- | --- | --- | --- | --- | --- | --- | --- |
| esx01-bw.ara-assistance.de | naa.60050768128000419000000000000008 | 3072 | IBM | 2145 | False | Round Robin | 8 |
| esx02-bw.ara-assistance.de | naa.60050768128000419000000000000008 | 3072 | IBM | 2145 | False | Round Robin | 8 |

Tabelle 200 - SCSI LUN Information - vcenter01.ara-assistance.de

### 1.5.19 VMW-VOL03

|  |  |
| --- | --- |
| Datastore | VMW-VOL03 |
| ID | Datastore-datastore-50805 |
| Datacenter | ARA\_ARCD\_Datacenter |
| Type | VMFS |
| Version | 6.82 |
| State | Available |
| Number of Hosts | 2 |
| Number of VMs | 13 |
| Storage I/O Control | Disabled |
| Congestion Threshold | 30 ms |
| Total Capacity | 3071.75 GB |
| Used Capacity | 1787.45 GB |
| Free Space | 1284.30 GB |
| % Used | 58.19 |

Tabelle 201 - Datastore Configuration - VMW-VOL03

#### 1.5.19.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy | Paths |
| --- | --- | --- | --- | --- | --- | --- | --- |
| esx01-bw.ara-assistance.de | naa.6005076812800041900000000000000c | 3072 | IBM | 2145 | False | Round Robin | 8 |
| esx02-bw.ara-assistance.de | naa.6005076812800041900000000000000c | 3072 | IBM | 2145 | False | Round Robin | 8 |

Tabelle 202 - SCSI LUN Information - vcenter01.ara-assistance.de

### 1.5.20 VMW-VOL04

|  |  |
| --- | --- |
| Datastore | VMW-VOL04 |
| ID | Datastore-datastore-50806 |
| Datacenter | ARA\_ARCD\_Datacenter |
| Type | VMFS |
| Version | 6.82 |
| State | Available |
| Number of Hosts | 2 |
| Number of VMs | 25 |
| Storage I/O Control | Disabled |
| Congestion Threshold | 30 ms |
| Total Capacity | 4095.75 GB |
| Used Capacity | 2821.04 GB |
| Free Space | 1274.71 GB |
| % Used | 68.88 |

Tabelle 203 - Datastore Configuration - VMW-VOL04

#### 1.5.20.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy | Paths |
| --- | --- | --- | --- | --- | --- | --- | --- |
| esx01-bw.ara-assistance.de | naa.60050768128000419000000000000010 | 4096 | IBM | 2145 | False | Round Robin | 8 |
| esx02-bw.ara-assistance.de | naa.60050768128000419000000000000010 | 4096 | IBM | 2145 | False | Round Robin | 8 |

Tabelle 204 - SCSI LUN Information - vcenter01.ara-assistance.de

## 1.6 Virtual Machines

Die folgenden Abschnitte detail the configuration of virtual machines managed by vCenter Server vcenter01.ara-assistance.de.

| Virtual Machine | Power State | IP Address | vCPUs | Memory GB | Provisioned GB | Used GB | HW Version | VM Tools Status |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ACHAT-AN | On | 10.102.35.45 | 4 | 8 | 100.10 | 100.10 | v14 | OK |
| ACHAT-BW | On | 10.101.24.40 | 4 | 8 | 100.09 | 100.09 | v14 | Old |
| ambs | On | 10.101.31.10 | 4 | 20 | 420.23 | 420.23 | v09 | Old |
| ambs-test | On | 10.101.31.24 | 6 | 20 | 170.09 | 170.09 | v19 | OK |
| ambs-test\_ubuntu | On | 10.101.31.15 | 4 | 16 | 86.09 | 86.09 | v19 | OK |
| antje | On | 10.0.3.30 | 4 | 12 | 167.08 | 167.08 | v09 | Old |
| antje\_backup | On | 192.168.11.59 | 2 | 4 | 134.10 | 134.10 | v19 | OK |
| aradesk-test | On | 10.102.35.25 | 2 | 16 | 106.11 | 106.11 | v14 | OK |
| arcdesk | On | 10.101.31.40 | 4 | 16 | 116.10 | 116.10 | v14 | Old |
| arcdesk-test | On | 10.101.31.41 | 4 | 16 | 116.09 | 116.09 | v19 | OK |
| B2D-AN | On | 165.1.83.53 | 4 | 12 | 112.33 | 112.33 | v14 | OK |
| B2D-BW | On | 165.1.83.51 | 4 | 12 | 192.30 | 192.30 | v19 | OK |
| CA00AUR-BW | On | 192.168.17.30 | 2 | 6 | 66.09 | 66.09 | v19 | OK |
| CA10ARA-BW | On | 10.101.35.70 | 2 | 6 | 66.09 | 66.09 | v19 | OK |
| CA10ARCD-BW | On | 10.101.31.70 | 2 | 6 | 66.09 | 66.09 | v19 | OK |
| CA10AUR-BW | On | 192.168.17.32 | 2 | 6 | 66.09 | 66.09 | v19 | OK |
| CAL01AUR-BW | On | 192.168.17.31 | 2 | 6 | 66.09 | 66.09 | v19 | OK |
| CHAT | On | 10.101.31.18 | 2 | 2 | 42.10 | 42.10 | v19 | OK |
| CHAT-ARA | On | 10.101.35.27 | 2 | 2 | 32.08 | 32.08 | v19 | OK |
| db-test | On | 10.101.31.16 | 2 | 16 | 250.09 | 250.09 | v19 | OK |
| db01-intra | On | 10.101.35.22 | 4 | 16 | 286.16 | 286.16 | v14 | Old |
| DC01ARA-AN | On | 10.102.35.1 | 2 | 6 | 66.10 | 66.10 | v15 | OK |
| DC01ARA-BW | On | 10.101.35.1 | 2 | 6 | 62.09 | 62.09 | v19 | OK |
| DC01ARCD-AN | On | 10.102.31.1 | 2 | 6 | 66.10 | 66.10 | v14 | OK |
| DC01ARCD-BW | On | 10.101.31.1 | 2 | 6 | 66.09 | 66.09 | v19 | OK |
| DC01EXCH-AN | On | 192.168.17.6 | 2 | 6 | 66.10 | 66.10 | v14 | OK |
| DC01EXCH-BW | On | 192.168.17.5 | 2 | 6 | 66.09 | 66.09 | v19 | OK |
| DC02ARA-BW | On | 10.101.35.2 | 2 | 6 | 66.08 | 66.08 | v19 | OK |
| DC02ARCD-BW | On | 10.101.31.2 | 2 | 6 | 66.09 | 66.09 | v19 | OK |
| ex01-an | On | 192.168.17.14 | 4 | 8 | 133.12 | 118.85 | v14 | OK |
| ex01-bw | On | 192.168.17.12 | 4 | 8 | 133.09 | 133.09 | v19 | OK |
| ex02-an | On | 169.254.2.18 | 4 | 16 | 906.15 | 867.90 | v14 | OK |
| ex02-bw | On | 169.254.1.119 | 4 | 16 | 906.10 | 906.10 | v09 | Old |
| FAX-BW | On | 10.101.24.50 | 2 | 6 | 56.09 | 56.09 | v19 | OK |
| fmaudit | On | 10.101.35.93 | 2 | 4 | 74.08 | 74.08 | v19 | OK |
| FS-ARA-AN | On | 10.102.35.18 | 2 | 8 | 378.11 | 378.11 | v14 | OK |
| FS-ARA-BW | On | 10.101.35.18 | 4 | 16 | 346.09 | 346.09 | v14 | Old |
| FS-ARCD | On | 192.168.11.11 | 2 | 6 | 456.09 | 456.09 | v14 | Old |
| FS-ARCD-BW | On | 10.101.31.20 | 2 | 8 | 118.11 | 118.11 | v19 | OK |
| ftp-dmz | On | 192.168.200.21 | 2 | 4 | 60.08 | 60.08 | v09 | OK |
| icinga-bw | Off | -- | 2 | 4 | 36.58 | 32.01 | v14 | Not Running |
| icinga2-bw | On | 10.101.35.25 | 2 | 2 | 85.19 | 51.26 | v14 | OK |
| Informer-AN | On | 10.102.35.77 | 2 | 6 | 106.11 | 106.11 | v15 | OK |
| Informer-BW | On | 10.101.35.77 | 4 | 16 | 116.09 | 116.09 | v19 | OK |
| linux-repo | On | 10.101.35.41 | 2 | 2 | 143.08 | 91.98 | v19 | OK |
| lychee-arcd | Off | -- | 2 | 2 | 92.58 | 90.01 | v14 | Not Running |
| macmon-an | On | 10.102.31.35 | 4 | 8 | 258.10 | 258.10 | v08 | OK |
| macmon-bw | On | 10.101.31.35 | 4 | 8 | 258.09 | 258.09 | v08 | OK |
| map-bw | On | 10.101.35.96 | 2 | 8 | 28.08 | 28.08 | v11 | OK |
| map-test | On | 10.101.35.97 | 4 | 8 | 28.08 | 28.08 | v19 | OK |
| MUG-ARA | On | 10.101.35.28 | 2 | 4 | 104.08 | 104.08 | v14 | Old |
| MUG-ARA-BW | On | 10.101.35.29 | 2 | 6 | 126.09 | 126.09 | v19 | OK |
| odb-ara | Off | -- | 1 | 1 | 71.85 | 70.41 | v07 | Not Installed |
| pcnsara-bw | On | 10.101.35.14 | 1 | 1 | 11.08 | 11.08 | v19 | OK |
| PMS-AN | On | 10.102.35.52 | 4 | 8 | 468.11 | 468.11 | v15 | OK |
| PMS-BW | On | 10.101.35.52 | 4 | 12 | 502.11 | 502.11 | v19 | OK |
| PMSPROXY-BW | On | 192.168.200.66 | 2 | 6 | 66.09 | 66.09 | v19 | OK |
| PMSRELAY-ARA-AN | On | 10.102.45.100 | 4 | 6 | 66.10 | 66.10 | v15 | OK |
| PMSRELAY-ARA-BW | On | 10.101.45.100 | 4 | 6 | 66.09 | 66.09 | v19 | OK |
| RDS-BROKER | Off | -- | 2 | 8 | 68.19 | 60.01 | v19 | Not Running |
| RDS-HOST01 | Off | -- | 4 | 8 | 128.20 | 120.01 | v19 | Not Running |
| RDS-WEBACCESS | Off | -- | 2 | 8 | 68.19 | 60.01 | v19 | Not Running |
| SGN-ARCD-BW | On | 10.101.31.17 | 2 | 6 | 66.09 | 66.09 | v19 | OK |
| stat-ara | On | 10.101.35.24 | 2 | 8 | 120.55 | 98.38 | v09 | OK |
| stat-arcd | On | 10.101.31.27 | 2 | 8 | 28.09 | 28.09 | v09 | OK |
| statdb-ara | On | 10.101.35.23 | 4 | 10 | 110.09 | 110.09 | v19 | OK |
| support | On | 10.101.31.33 | 2 | 4 | 44.08 | 44.08 | v14 | OK |
| support-test | On | 10.101.31.34 | 2 | 4 | 44.08 | 44.08 | v19 | OK |
| tk-acc-bw | On | 10.101.24.20 | 2 | 12 | 112.03 | 112.03 | v19 | OK |
| TK-DLS-AN | On | 10.101.24.145 | 2 | 8 | 88.10 | 88.10 | v14 | OK |
| TK-DLS-BW | On | 10.101.24.45 | 2 | 12 | 92.09 | 92.09 | v19 | OK |
| TS-ARCD | Off | -- | 1 | 1 | 21.35 | 20.01 | v09 | Not Running |
| umd | On | 192.168.200.20 | 2 | 4 | 79.12 | 79.12 | v09 | OK |
| vCenter01 | On | 10.101.35.60 | 4 | 19 | 720.11 | 69.13 | v10 | OK |
| VCENTER01 | Off | -- | 4 | 16 | 336.23 | 319.89 | v10 | Not Running |
| vCLS-1cb3676f-e995-4139-ae12-6410c101347d | On | -- | 1 | 0 | 2.20 | 0.53 | v11 | OK |
| vCLS-8cc340d8-e454-419f-bf55-62bf6d54eeb1 | On | -- | 1 | 0 | 2.20 | 2.20 | v11 | OK |
| vCLS-a13d72d5-3067-4d09-8e88-b6ef02ddb118 | On | -- | 1 | 0 | 2.20 | 2.20 | v11 | OK |
| vCLS-c37ac520-2eec-42ef-bb4a-fb8e8dfa16d3 | On | -- | 1 | 0 | 2.20 | 0.52 | v11 | OK |
| vCLS-e232feb6-cb64-430d-b420-95200d2824db | On | -- | 1 | 0 | 2.20 | 0.53 | v11 | OK |
| vCLS-f51ba268-7f2d-4e07-a3c6-bbaeec5b4642 | On | -- | 1 | 0 | 2.20 | 2.20 | v11 | OK |
| VM-ARA06 | On | 10.102.45.21 | 4 | 8 | 308.09 | 109.98 | v14 | OK |
| VM-IT01 | On | 10.102.45.34 | 4 | 8 | 231.73 | 231.73 | v14 | OK |
| VM01-REISEN | On | 10.101.41.169 | 2 | 4 | 79.12 | 79.12 | v14 | OK |
| VM02-ARCD | On | 10.102.41.106 | 2 | 4 | 64.09 | 64.09 | v14 | OK |
| vm05-arcd | On | 10.102.41.102 | 2 | 4 | 64.09 | 64.09 | v14 | OK |
| WEB01-INTRA | On | 10.101.35.20 | 4 | 4 | 79.09 | 79.09 | v14 | Old |
| WEB01-TEST | On | 10.102.35.27 | 4 | 16 | 116.09 | 116.09 | v14 | OK |
| wiki-ara | On | 10.102.35.97 | 2 | 4 | 44.10 | 44.10 | v11 | OK |
| wiki-arcd | On | 10.101.31.28 | 2 | 8 | 48.10 | 48.10 | v14 | OK |
| Win2016DataCenterDE | Off | -- | 2 | 6 | 66.56 | 60.00 | v15 | Not Running |
| Win2019DataCenterDE | Off | -- | 2 | 8 | 98.27 | 90.00 | v19 | Not Running |
| WSUS-ARA-BW | On | 10.102.35.21 | 4 | 8 | 298.11 | 298.11 | v14 | OK |
| WSUS-ARCD-BW | On | 10.102.31.30 | 4 | 8 | 298.11 | 298.11 | v14 | OK |
| ZE-ARA-BW | On | 10.101.35.30 | 2 | 16 | 156.09 | 156.09 | v19 | OK |

Tabelle 205 - VM Advanced Summary - vcenter01.ara-assistance.de

### 1.6.1 Snapshots

| Virtual Machine | Snapshot Name | Description | Days Old |
| --- | --- | --- | --- |
| icinga2-bw | VM-Snapshot 6.10.2021, 08:21:45 |  | 43 |
| linux-repo | VM-Snapshot 15.3.2021, 11:23:56 |  | 247 |
| stat-ara | VM-Snapshot 8.11.2021, 12:06:17 |  | 9 |

Tabelle 206 - VM Snapshot Summary - vcenter01.ara-assistance.de