Deenice Network Plan

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# Introduction

In order to ensure consistency across all our VLANS our goal is to have all devices addressable by their final octet on applicable VLANs. For example if the DC is 172.20.57.**3** on VLAN 20 it will be 172.30.57.**3** on VLAN 30.

# VLAN Breakdown

* VLAN 10: Private VLAN for cluster Management
* VLAN 20: NETWORK: 172.20.MN.0/16. Reserved for data traffic.
* VLAN 30: Reserved for management traffic
* VLAN 40: This is a private VLAN for iSCSI meshfrom the Hardware SAN units to the ESXiHosts
* VLAN 50: This VLAN is reserved for iSCSI traffic from Virtual Machine

# Server Addresses 172.VLAN.57.X[1-24]

Servers will be addressed using X[1-24] where X will represent the server's position in the redundancy chain (\_,1,2). Returning to our DC example DC1 on VLAN 20 will be 172.20.57.3, DC2 will be 172.20.57.103 and, finally DC3 would be 172.20.57.203.

# Admin Addresses 172.VLAN.57.[190-200]

We will be blocking off addresses 190-200 for use by administrators to use when needed. Note that these addresses are not for management purposes. Please limit all management traffic to VLAN 30.

# Host Addresses

Host addresses will pull from a pool including all remaining addresses. Ideally these would be assigned using DHCP however due to our constraints we will be assigning hosts static addresses and documenting them as needed.

# Currently Assigned Addresses

These addresses are not final and may be subject to change.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Hostname |  | Vlans |  | Final Octet | Description |
| DeeniceLnxHost | **172.** | **20.**  **50.** | **57.** | 25 | Linux host |
| DeeniceWinHost | **172.** | **20.**  **50.** | **57.** | 26 | Windows host |
| DeeniceDC01 | **172.** | **20.**  **30.**  **50.** | **57.** | 3 | Domain Controller 1 Active Directory/DNS Windows Server |
| DeeniceDC02 | **172.** | **20.**  **30.**  **50.** | **57.** | 103 | Domain Controller 2 Active Directory/DNS Windows Server |
| DeeniceHTTP01 | **172.** | **20.**  **30.**  **50.** | **57.** | 2 | Linux HTTP Server |
| DeeniceHTTP02 | **172.** | **20.**  **30.**  **50.** | **57.** | 102 | Linux HTTP Server |
| DeeniceiSCSI01 | **172.** | **20.**  **30.**  **50.** | **57.** | 4 | iSCSI Server |
| DeeniceiSCSI02 | **172.** | **20.**  **30.**  **50.** | **57.** | 104 | iSCSI Server |
| DeeniceVeeam1 | **172.** | **20.**  **30.**  **50.** | **57.** | 5 | Veeam Server |
| DeeniceVeeam2 | **172.** | **20.**  **30.**  **50.** | **57.** | 105 | Veeam Server |
| DeeniceWAC | **172.** | **20.**  **30.**  **50.** | **57.** | 6 | Windows Admin Center Server |
| DeeniceWAC2 | **172.** | **20.**  **30.**  **50.** | **57.** | 106 | Windows Admin Center Server |
| DeeniceSpice | **172.** | **20.**  **30.**  **50.** | **57.** | 7 | Spiceworks Server |
| DeeniceSpice | **172.** | **20.**  **30.**  **50.** | **57.** | 107 | Spiceworks Server |