Vegan Poll Server Setup

**Address tables**

[**Host**](#Hosts)

* [Vegan-SVR2](#VeganSVR2)

[**VMs**](#VMs)

* [V-ADDS](#VADDS)
* [V-Prod](#VPROD)
* [V-SQL](#VSQL)
* [V-Stage](#VSTAGE)
* [PFSENSE](#PFSENSE)

**Address Tables**

|  |  |  |
| --- | --- | --- |
| Server Name | IP | Ports |
| Vegan-SVR2 | In: 10.0.1.15/24  Out: 172.18.28.11/22 |  |
| V-ADDS | 10.0.1.10 | N/A |
| V-Prod | 10.0.1.50 | FTP - 172.18.28.12:8021  HTTP – 172.18.28.12:80 (default)  HTTPS – 172.18.28.12:443 (default) |
| V-SQL | 10.0.1.40 | SQL – 172.18.28.12:1433 (default)  RDP – 172.18.28.12:9002 |
| V-Stage | 10.0.1.20 | RDP – 172.18.28.12:3389 (default)  HTTP – 172.18.28.12:8080  HTTPS – 172.18.28.12:8443 |
| PFSENSE | In: 10.0.1.1  Out: 10.0.1.12 | N/A |

**Hosts**

Vegan-SVR2

Hardware

|  |  |
| --- | --- |
| Model | Custom |
| Motherboard | Intel Desktop Board |
| CPU | Core i7-3770   * 4 Cores/8 threads |
| Hard Disks | 2 HDD   * 1 TB * 500 GB |
| RAM | 32 GB DDR3 |
| Network Cards | 2 Gigabit ports   * Intel 82574L Gigabit Network Connection   + MAC: 70-54-D2-8F-4A-E5 * Intel 82574LM Gigabit Network Connection   + VM connection |
| Power Supply | Thermaltake 600W |
| other | LG DVD drive |

OS Configuration

|  |  |
| --- | --- |
| Hostname | T2-SVR1 |
| External IP | 172.18.28.11 |
| Subnet Mask | 255.255.252.0 |
| Internal IP | 10.0.1.15 |
| Subnet Mask | 255.255.255.0 |
| Gateway | 10.0.1.1 |
| Drive Configuration | C:   * 931 GB   (Data) E:   * 222GB   (Backups) F:   * 244 GB |
| Installed Services | Hyper-V |

**VMs**

V-ADDS

|  |  |
| --- | --- |
| Hostname | V-ADDS |
| External IP | 172.18.28.12 |
| Subnet Mask | 255.255.252.0 |
| Internal IP | 10.0.1.10 |
| Subnet Mask | 255.255.255.0 |
| Gateway | 10.0.1.1 |
| Drive Configuration | C:   * 75 GB |
| Installed Services | Active Directory Domain Services  DNS |
| Operating System | Windows Server 2012 r2   * Standard * Core Installation |

V-Prod

|  |  |
| --- | --- |
| Hostname | V-Prod |
| External IP | 172.18.28.12 |
| Subnet Mask | 255.255.252.0 |
| Internal IP | 10.0.1.50 |
| Subnet Mask | 255.255.255.0 |
| Gateway | 10.0.1.1 |
| Drive Configuration | C:   * 75 GB   (Data) E:   * 75 GB |
| Installed Services | IIS   * WPI   + Microsoft .NET Framework 4.5.2 * Sites   + VeganPoll   + VeganPollFTP |
| Operating System | Windows Server 2012 r2   * Standard |

V-SQL

|  |  |
| --- | --- |
| Hostname | V-SQL |
| External IP | 172.18.28.12 |
| Subnet Mask | 255.255.252.0 |
| Internal IP | 10.0.1.40 |
| Subnet Mask | 255.255.255.0 |
| Gateway | 10.0.1.1 |
| Drive Configuration | C:   * 75 GB |
| Installed Services | SQL server 2012 |
| Operating System | Windows Server 2012 r2   * Standard |

V-Stage

|  |  |
| --- | --- |
| Hostname | V-ADDS |
| External IP | 172.18.28.12 |
| Subnet Mask | 255.255.252.0 |
| Internal IP | 10.0.1.20 |
| Subnet Mask | 255.255.255.0 |
| Gateway | 10.0.1.1 |
| Drive Configuration | C:   * 75 GB   (Data) D:   * 75 GB |
| Installed Services | IIS:   * WPI   + Microsoft .NET Framework 4.5.2 * Sites   + VeganPoll     - D:\Sites\web\VeganPoll     - 172.18.28.12:80     - 172.18.28.12:443   + VeganPollFTP     - D:\Sites\web\VeganPoll     - 172.18.28.12:8021 |
| Operating System | Windows Server 2012 r2   * Standard |

PFSENSE

|  |  |
| --- | --- |
| Hostname | pfsense |
| External IP | 172.18.28.12 |
| Subnet Mask | 255.255.252.0 |
| Internal IP | 10.0.1.1 |
| Subnet Mask | 255.255.255.0 |
| Gateway | 172.18.28.1 |
| Drive Configuration | sda   * 20GB |
| Installed Services | Firewall & NAT |
| Operating System | PFSense |
| NAT Configuration | 172.18.28.12   * 80 (HTTP) 🡪 10.0.1.50:80 (V-Prod) * 443 (HTTPS) 🡪 10.0.1.50:443 (V-Prod) * 8021 🡪 10.0.1.50:21 (V-Prod) * 8080 🡪 10.0.1.20:80 (V-Stage) * 8443 🡪 10.0.1.20:443 (V-Stage) * 3389 (RDP) 🡪 10.0.1.20:3389 (V-Stage) * 21 (FTP) 🡪 10.0.1.20:21 (V-Stage) * 1433 (SQL) 🡪 10.0.1.40:1433 (V-SQL) * 9002 🡪 10.0.1.40:3389 (V-SQL) |