**Locked LAMP**

**Weekly Status Report**

Milestone: I ☐ II ☐ III ☐ IV ☐

For Week Ending: July 4, 2021

*Accomplished this week*

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| **Research** |
| 1.1.1.1. Digital Ocean |
| 1.1.1.2. Ansible Modules |
| 1.1.1.3. API Communications |
| 1.1.1.4. DISA STIGs |
| **Digital Ocean Account** |
| 1.1.2.1. Create Account |
| 1.1.2.2. Create API Token |
| **CentOS Virtual Machine** |
| 1.1.3.1. Download CentOS ISO file |
| **CentOS Virtual Machine - Create CentOS VM** |
| 1.1.3.2.1. Static IP Address |
| 1.1.3.2.2. Create Client Folder |
| 1.1.3.2.3. Create an SSH key |
| **Install Ansible** |
| 1.1.3.3.1. Modify Ansible Host File |
| 1.1.3.3.2. Modify Ansible Configuration File |
| **Install Ansible - Create Ansible Vault** |
| 1.1.3.3.3.1. Secure API Token |
| 1.1.3.3.3.2 Secure SSH Key |
| **Project Administration** |
| 1.1.4.1. Status Report Upload |
| 1.1.4.2. Time Sheet Upload |
| 1.1.4.3. Create Work Breakdown Structure Upload |

*Planned for next week*

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| **Communicate with Digital Ocean** |
| 1.2.1.1. Create Basic Ansible Playbook |
| 1.2.1.2. Upload SSH Keys |
| 1.2.1.3. Create Droplet |
| **DISA STIGs Playbook** |
| 1.2.2.1. Update and Upgrade OS |
| **Install Packages** |
| 1.2.2.2.1. Install EPEL RPM |
| 1.2.2.2.2. Install REMI RPM |
| 1.2.2.2.3. Install PHP 7.4 |
| 1.2.2.2.4. Install MariaDB 10.3 |
| 1.2.2.2.5. Install Apache 2.4 |
| 1.2.2.2.6. Install php-mysqlnd |
| 1.2.2.2.7. Install php-fpm |
| 1.2.2.2.8. Install git |
| 1.2.2.2.9. Install pymysql with pip |
| 1.2.2.2.10. Install Firewalld |
| **MariaDB** |
| 1.2.2.3.1. Start Service |
| 1.2.2.3.2. Change Root Password |
| 1.2.2.3.3. Remove Anonymous DB Users |
| 1.2.2.3.4. Remove Test Databases |
| **Configure Firewall Ports** |
| 1.2.2.4.1. Open Port 80 for HTTP |
| 1.2.2.4.2. Open Port 22 for SSH |
| **Configure Cat 1 STIGs** |
| 1.2.2.5.1. Encrypt Root Password - ID: V-230234/5 |
| 1.2.2.5.2. Verify Repository Certificate Signature - ID: V-230264 |
| 1.2.2.5.3. Verify Local Packages Certificate Signature - ID: V-230265 |
| 1.2.2.5.4. Remove All “shosts.equiv” files - ID: V-230283 |
| 1.2.2.5.5. Remove All “.shosts” files - ID: V-230284 |
| 1.2.2.5.6. Stop Unattended or Automatic Login - ID: V-230329 |
| 1.2.2.5.7. Block Null Passwords - ID: V-230380 |
| 1.2.2.5.8. Remove Telnet-Server Packages - ID: V-230487 |
| 1.2.2.5.9. Remove RSH-Server Package - ID: V-230492 |
| 1.2.2.5.10. Block “ctrl-alt-del” Reboot - ID: V-230529 |
| 1.2.2.5.11. Block “ctrl-alt-del” Reboot 7 time in 2 sec - ID: V-230531 |
| 1.2.2.5.12. Remove TFTP server - ID: V-230533 |
| 1.2.2.5.13. Remove FTP server - ID: V-230558 |
| **Configure Cat 2 STIGs** |
| 1.2.2.6.1. Install rsyslog Remote System Log - ID: V-230228 |
| 1.2.2.6.2. Passphrase Required for SSH Keys - ID: V-230230 |
| 1.2.2.6.3. Encrypt All Stored Passwords - ID: V-230231 |
| 1.2.2.6.4. Valid Root Authentication for Rescue/Emergency Mode: - ID: V-230236 |
| 1.2.2.6.5. Enable and Enforce Secure Enhanced Linux (SELinux): - ID: V-230240 |
| 1.2.2.6.6. SSH Connection Timeout: - ID: V-230244 |
| 1.2.2.6.7. Force the use of TLSv1.2: - ID: V-230255 |
| **Project Administration** |
| 1.2.3.1. Status Report Upload |
| 1.2.3.2. Time Sheet Upload |
| 1.2.3.3. Prep Gantt Chart Upload |
| 1.2.3.4. Ansible Script Upload |
| 1.2.3.5. Phase Complete |

*Comments*

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| I wanted a more detailed list of tasks to include all project items. Sub tasks maybe added to the WBS and Digital Ocean’s default and smallest Droplet size is 1GB of memory and 25GB of storage. Changes will be made to the project report to show the standard Droplet size. I have know ideal how this will look on the ProjectGantt software and I wonder if it would be better on something like MS Project. |