The test plan should demonstrate that all the components are being tested and ready for the delivery.

| Test | Description | Action  (how did you test it?) | Result (successful/ unsuccessful) | Troubleshooting Needed (Yes/No) |
| --- | --- | --- | --- | --- |
| Connectivity | 1. Ping configured network destinations. 2. Test email 3. WEB connectivity 4. FTP Connections 5. AD authentication from non-Windows machine | 1. Using ping command from client desktop has joined domain controller. 2. Test by sending email from [thong.thao@thonganzac.com](mailto:thong.thao@thonganzac.com) to [pa.xiong@thonganzac.com](mailto:pa.xiong@thonganzac.com) 3. Access to web service thru browser and type domain name of web server or IP. 4. Using FileZilla to transfer data thru FTP services. 5. Login in Fedora Server by use user administrator [administrator@thonganzac.com](mailto:administrator@thonganzac.com) | 1. Successful 2. Successful 3. Successful 4. Successful 5. Successful | 1. No 2. No 3. No 4. No 5. No |
| 1. Ping client to server.  * Before disabled by Firewall      * After disabled by Firewall      1. Test sending email.      1. Access to web service by browser in client desktop.      1. Transfer data by FileZilla to FTP Server.      1. Login AD authentication to Fedora Server. | | | | |
| Performance | 1. Test and monitor the Windows server. 2. Test and monitor Non-Windows server   Run diagnostic software which has been installed and produce a report | 1. Test and monitor the windows server.  * Install Performance Test for test network speed between Server and Client. (<https://www.passmark.com/products/performancetest/download.php>) * Run *perfmon /report* command  1. Test and monitor non-windows server  * Run command btop for monitor linux server * Run command Iptraf-ng for monitor network connection | 1. Successful 2. Unsuccessful | 1. No 2. Yes |
| Run diagnostic software which has been installed and produce a report.   1. Test and monitor the windows server.  * Test network speed between Server and Client      * Run perfmon /report for diagnostics report for monitor Windows Server.      1. Test and monitor non-Windows server  * Run command *Btop* for monitor Linux Server      * Run command *Iptraf-ng* for monitor Linux network connection. | | | | |
| System and data availability | 1. Test availability of files/folders for authorised users 2. Test file permission for authorised and unauthorised users and groups 3. Test folder sharing between different server platforms. 4. Test backup and restore functionality | 1. Test the availability of sharing folder IT Department. 2. Test by using IT user *Thaot* and access to each map drives to create folder. 3. Using IP or hostname of Linux server to access from Windows Client and using smbclient in Linux for accessing to sharing file in Windows Server. 4. Using Windows Server Backup to back up full then try to delete files in $Hare and try to restore. | 1. Successful  2. Successful  3. Unsuccessful  4. Successful | 1. No  2. No  3. Yes  4. No |
| The folders list for share to each department.    Test availability of files/folders for authorised users.    Test file or folder permission for authorised and unauthorised users and groups   * Authorized users and group create folder in IT Department Folder      * Unauthorized users and group create folder in OfficeOps Department Folder.     Test folder sharing between different server platforms.   * Access Linux sharing folder from Windows Client      * Access Sharing Folder of Windows Server 2019 in Linux Client     Test backup and restore functionality.   * Backup      * Restore | | | | |