**Web Server Hardening Lab Answer Sheet**

*Hanoi, 01/10/2015*

|  |  |
| --- | --- |
| Full Name:……………………………..  Email:…………………………………..  Organization Unit:…………………….. |  |

Notice: Fill all answer, include final answer and how to find it (quick description).

Example: Question is: “Web Server Path ?”. Answer will be: “Version 2.2.24 (use command: httpd -v)”.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID** | **Question/Requirement** | **Answer** | | **Note** | **Status** |
|  | Start Virtual Machine | A, T |  | Don`t need description. |  |
|  | I |  |  |
|  | VM Machine IP Address | A, T |  |  |
|  | I |  |  |
|  | Configure Client`s host file | A |  |  |
|  | T |  |  |
|  | I |  |  |
|  | Remote Access to Control System | A, T |  | SSH to Linux Server. |  |
|  | I |  | Remote Desktop to Window Server. |  |
|  | **Lab 01** | | | | |
|  | Web Server Path ? | A |  |  |  |
|  | T |  |  |  |
|  | I |  |  |  |
|  | Web Server Listen Port ? | A |  |  |  |
|  | T |  |  |  |
|  | I |  |  |  |
|  | Web Server Version ? | A |  |  |  |
|  | T |  |  |  |
|  | I |  |  |  |
|  | Version is safe ? | A |  |  |  |
|  | T |  |  |  |
|  | I |  |  |  |
|  | Web Server configuration file ? | A |  |  |  |
|  | T |  |  |  |
|  | I |  |  |  |
|  | **Lab 02** | | | | |
|  | Remove Default page | A |  |  |  |
|  | T |  | Default page and folder |  |
|  | Stop Default Website | I |  |  |  |
|  | List all loaded module ? | A |  |  |  |
|  | I |  |  |  |
|  | Unnecessary Module ? | A |  |  |  |
|  | I |  |  |  |
|  | AJP Connector is Enable ? | T |  |  |  |
|  | AJP Connector Port ? | T |  |  |  |
|  | Disable AJP Connector | T |  |  |  |
|  | Recheck again | A |  |  |  |
|  | I |  |  |  |
|  | T |  |  |  |
|  | **Lab 03** | | | | |
|  | Web Server`s Error page is default ? | A |  |  |  |
|  | T |  |  |  |
|  | I |  |  |  |
|  | Create custom error page | A |  | Use this HTML:  <h1>your name </h1> |  |
|  | T |  |  |
|  | I |  |  |
|  | Config use custom error page | A |  |  |  |
|  | T |  |  |  |
|  | I |  |  |  |
|  | Recheck again | A |  | Web Server`s Error page is default ? |  |
|  | T |  |  |
|  | I |  |  |
|  | Hide Web Server Version | A |  |  |  |
|  | Allow only 3 HTTP Methods | A |  |  |  |
|  | T |  |  |  |
|  | I |  |  |  |
|  | **Lab 04** | | | | |
|  | SHUTDOWN port allow which IP address can connect to ? | T |  |  |  |
|  | Limit IP access SHUTDOWN port | T |  | Only access from 127.0.0.1 |  |
|  | Directory Browsing is enable ? | A |  |  |  |
|  | T |  |  |  |
|  | I |  |  |  |
|  | Disable Directory Browsing | A |  |  |  |
|  | T |  |  |  |
|  | I |  |  |  |
|  | Recheck again | A |  |  |  |
|  | T |  |  |  |
|  | I |  |  |  |
|  | **Lab 05** | | | | |
|  | Which permission (user) Web Server is running ? | A |  |  |  |
|  | T |  |  |  |
|  | I |  |  |  |
|  | Run Webserver with limited privileges user (non-root user). | A |  | Create and use new user: apache-user |  |
|  | I |  |  |  |
|  | Disable execute CGI, SSI | A |  |  |  |
|  | T |  |  |  |
|  | I |  |  |  |
|  | **Lab 06** | | | | |
|  | Disable SSLv2.0, SSLv3.0 | A |  |  |  |
|  | T |  |  |  |
|  | I |  |  |  |
|  | Configure security SSL Cipher Suite | A |  |  |  |
|  | T |  |  |  |
|  | I |  |  |  |
|  | **Lab 07** | | | | |
|  | Web Server is enable Logging, Log rotate ? | A |  | Yes/No Question |  |
|  | T |  |  |  |
|  | I |  |  |  |
|  | Configure log enough information to digital forensic | A |  |  |  |
|  | T |  |  |  |
|  |  | I |  |  |  |
|  | **Lab 08** | | | | |
|  | Install and configure Advanced Logging | I |  |  |  |
|  | Configure validate data to prevent XSS | I |  |  |  |
|  | Disable Debug mode | I |  |  |  |
|  | **Summary** | | | |  |