30% Changes

Module A – Linux Environment

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Module A Team

1. 1 - public.worldskills.org server serves public.worldskills.org and www.worldskills.org websites only HTTP protocol. Create a HTTPS reverse proxy with nginx for these websites on fw.worldskills.org.

2. 2 - Use proftpd instead of vsfptd.

3. 7 - Setup Icinga2 monitoring software on private.skills39.net and monitor fw.skills39.net using ICMP.

4. 10 - Icinga2 - Monitoring OpenVPN site-to-site connection with Icinga2 using ICMP.

5. 11 - Icinga2 - Monitoring the status of the website intranet.skill39.net.

6. 16 - Setup secondary DNS server on srvpv02.fast-provider.net for zone worldskills.org.

7. 17 - Configure a security policy for the rsync service, only allow clients from the skill39.net network to synchronize. For other network clients trying to connect, unauthorized log should be generated.

8. 19 - Set up SSH-Server and add a user. Restrict the user to his/her own directory. The user will have administrative rights to the directory. The user should not be allowed to use the "ping" command.

9. 23 - Provide Fully Qualified Domain Name for every server and client in the table.

10. 28 - Install Fail2Ban on public.worldskills.org.

11. 35 - Ensure Apache2 doesn´t expose any protocol header and footer information (e.g. version, OS…).

12. (bugfix) – loglastboot-service will be checked by restarting the service.

13. (bugfix) – Users home directories on client1.skills39.net should be accessible via NFS when logged in.

14. (bugfix) – rsync backup should preserve the source directory structure.

15. (bugfix) – backup scripts on private.skill39.net should be scheduled in the root users crontab.