Hópverkefni H2019
KEST2LG05DU
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Upplýsingatækniskólinn

KEST2LG05DU HÓPVERKEFNI

Linux - kerfisstjórunun

NOVEMBER 14, 2019

TÆKNISKÓLINN

Upplýsingatækniskólinn

As Linux administrator working with ddp ehf company, you are required to install and configure new Linux server for centralized management and access.

DDP have 15 employees that are divided in to four departments as shown below.

Group	Name	Username
IT	Alexander Ragnarsson Andrea Klara Hauksdóttir	AleRag AndHau
Management	Guðmundur Steindórsson Halldór V. Jónsson Harpa Hjaltested	GudSte HalJon HarHja
Accounting	Hrannar Arason Ingibjörg J. Guðlaugsdóttir	HraAra IngGud
Manufacturing	Ísak Leifsson Jóhanna Kristín Hafsteinsdóttir Kristján Svanbergsson Lárus Arnar Gunnarsson Linda B. Magnúsdóttir Rúdólf Björnsson Sigurbjörg Ó. Stefánsdóttir Sigrún Alda Jensdóttir	IsaLei JohKri JohHaf KriSva LarGun LinMag RudBjo SigSte SigJen

Lab Instructions:

Install one Linux server named server1, and another Linux client named client 1 in virtual box. Note that only 32bit OSs are allowed in the virtual box. Server virtual machines should have two interfaces one is external and other one is private. But the client machine use only one private interface.

1- Configure private interface of the server with a static IP address, use the first address from the IP network: 192.168.100.0 /26.

2- After install the base system, use VI or other text editor to configure hostname as **server1** and domain name **<yourname>.local**, so the FQDN of the server will be **server1.<yourname>.local**

3- Install and configure DHCP protocol on the server so all Linux clients on the network will get an IP address automatically.

4- Install and Configure DNS on server for the internal network so hostnames are resolved to IP addresses and vice versa.

5- Create the group and user accounts, each user should have his own directory under /home directory.

6- Install configure Samba then create network share folder so IT and Management have full control but other groups have only read permissions.

7- IT and Management users should have remote access to the server via SSH protocol.

8- Install apache2 web server with SSL certificate and configure a demo site, the site should be accessible via the URL **https://www.<Yourname>.local**

9- Install configure MYSQL server and phpmyadmin web interface, create accounts for IT and management so IT can administer the databases where Management can create and modify database schemas.

10- Install and configure Postfix mail server and mailman mailing lists.

11- Install and configure PurFTPd and Quota, and enable Quota on the server.

12- Install configure SquirreMail so you can use it within your web site created, SquirreMail should be accessible via URL http://www.<Yourname>.local/squirremail or webmail alias.

13- Finally install and configure ISPConfig-3, so you can manage websites, email addresses and DNS records through a web-based interface.

For More help check this link: *https://www.howtoforge.com/tutorial/perfect-server-debian-8-4-jessie-apache-bind-dovecot-ispconfig-3-1/*

Download ISPConfig *here* *http://www.ispconfig.org/downloads/ISPConfig-3-stable.tar.gz*

Note: The project need to be submitted in GitHub, including project diary, configuration codes and screen shots.

X

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