

# LINUX FOUNDATION CERTIFIED ENGINEER DOMAINS & COMPETENCIES

### Network administration

- ❑ Configure network services to start automatically at boot
- ❑ Implement packet filtering
- ❑ Monitor network performance
- ❑ Produce and deliver reports on system use, outages and user requests
- ❑ Route IP traffic statically and dynamically
- ❑ Troubleshoot network issues

### Network filesystems and file services

- ❑ Configure systems to mount standard, encrypted and network file systems on demand
- ❑ Create, mount and unmount standard Linux file systems
- ❑ Provide/configure network shares via NFS
- ❑ Transfer files securely via the network
- ❑ Update packages from the network, a repository or the local file system

### Network security

- ❑ Configure Apache log files
- ❑ Configure the firewall with iptables
- ❑ Install and configure SSL with Apache



### Remote access

- ❑ Configure the firewall with iptables

### HTTP services

- ❑ Configure an http client to automatically use a proxy server
- ❑ Install and configure an Apache web server
- ❑ Install and configure the Squid proxy server
- ❑ Restrict access to a web page with Apache
- ❑ Restrict access to the Squid proxy server
- ❑ Setting up name-based virtual web hosts

### Email services

- ❑ Configure email aliases
- ❑ Install and configure an IMAP and IMAPS service
- ❑ Install and configure an smtp service
- ❑ Restrict access to an smtp server