NETWORKING AND LINUX SECURITY

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WHAT IS LINUX

- Linux® is an open source operating system (OS). An operating system is the software that directly manages a system's hardware and resources, like CPU, memory, and storage. The OS sits between applications and hardware and makes the connections between all of your software and the physical resources that do the work.

WHAT IS LINUX SECURITY

- **Linux Security Modules** (**LSM**) is a framework allowing the Linux kernel to support without bias a variety of computer security models. LSM is licensed under the terms of the GNU General Public License and is a standard part of the Linux kernel since Linux 2.6. AppArmor, SELinux, Smack, and TOMOYO Linux are the currently approved security modules in the official kernel.

12 TIPS FOR IMPROVING LINUX SECURITY

- Only install necessary packages and try to get them only from official sources.

- Disable root login and assign administrator privileges to an existing or new user.

- Remove any unnecessary guest or default accounts.

- Enable two-factor authentication where possible.

- Use good password hygiene, including creating strong passwords, changing them regularly, or using a password manager.

- Use Linux server antimalware and antivirus programs.

- Download and install a Virtual Private Network (VPN).

- either through manual installations or automatic updates.

- Run a firewall.

- Use a proxy service to shield the Linux server from Distributed Denial of Service (DDoS) attacks.

- Use full disk encryption for extra Linux system security.

- Configure audit logging to stay ahead of system errors and security incidents.

WHAT IS NETWORKING

- Professionals use networking to expand their circles of acquaintances, find out about job opportunities in their fields, and increase their awareness of news and trends in their fields or the greater world.
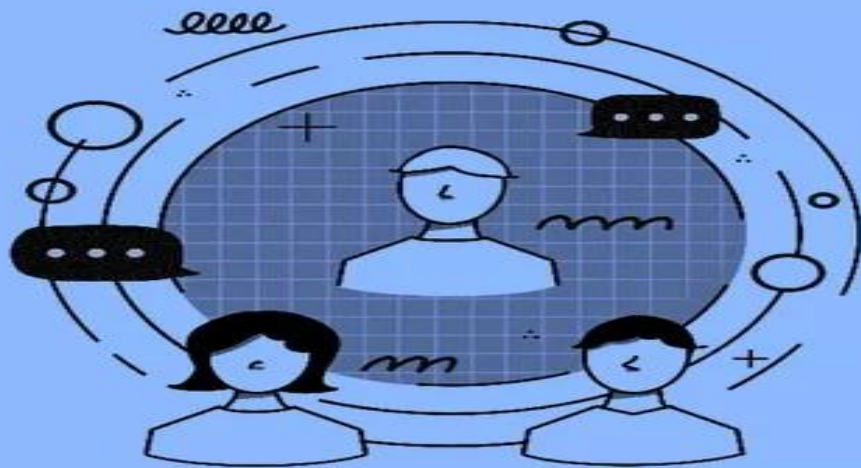
Networking is the exchange of information and ideas among people with a common profession or special interest, usually in an informal social setting. Networking often begins with a single point of common ground.

HOW NETWORKING WORKS ON LINUX SECURITY

- Linux Networking And Security is an important topic in the computer science and information technology fields. People rely on secure networks for various,reasons, such as safeguarding their sensitive data and protecting their private information. As Linux operating systems become increasingly popular, understanding Linux networking and security is more vital than ever. This article dives Into the key aspects of this,topic, providing an in-depth look at the fundamentals of Linux networking and security and offering valuable best practices, for safeguarding a Linux,network. With this comprehensive overview, you will gain a better understanding of how to protect and secure your Linux system.

IMPORTANTANCE OF NETWORKING