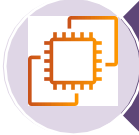


# Agenda



**Creating a Linux Machine**



**Understanding puttygen and putty**



**What is Web Server?**



**Installing Web Package**



**Understanding Security Groups**

# What is putty?

- ▶ PuTTY is a free and open-source terminal emulator, serial console and network file transfer application. It supports several network protocols, including SCP, SSH, Telnet, rlogin, and raw socket connection. It can also connect to a serial port. The name "PuTTY" has no official meaning.

# Use of EC2

- ▶ Amazon EC2 provides virtual machines where you can host the same kinds of applications that you might run on a traditional on-premises server. It provides secure, resizable compute capacity in the cloud.
- ▶ EC2 instance can support a variety of workloads. Common uses for EC2 instances include:
  - ▶ Web servers
  - ▶ Application Servers
  - ▶ Database Servers
  - ▶ Game Servers
  - ▶ Mail Servers
  - ▶ Files Servers

# Security Group

- ▶ A security group is a set of firewall rules that control traffic to the instance.
- ▶ It exists outside of the instance's guest OS
- ▶ Create rules that specify the source and which ports that network communication can use
- ▶ Specify the port number and the protocol, such as Transmission Control Protocol (TCP), User Datagram Protocol (UDP), or Internet Control Message Protocol (ICMP)
- ▶ Specify the source (for example, an IP address or another security group) that's allowed to use the rule