Date: 11.06.2025



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Shell Scripting for given use cases

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# 1. Using PuTTY to connect to AWS EC2 Instance

|  |  |
| --- | --- |
| **Step 1:** Open putty.exe | **Step 2:** Add IP address of EC2 Instance |
| **Step 3:** Go to **Connection** > **Auth** > **Credentials** | **Step 4:** Click on **Browse** > Select a private key file |

|  |  |
| --- | --- |
| **Step 5:** Click on **Open** | **Step 6:**  Login as **ec2-user** in the following window |
| **Step 8:** The connection has now been established. Perform required commands. | |

# 2. Shell Scripting for following use cases

## **a. Case 1**: Disk Formatting and Mounting

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| --- |
| **Script:** |
| #!/usr/bin/env bash  lsblk  device="/dev/xvda4"  sudo fdisk $device  sudo mkfs.ext4 $device  sudo mount $device /mnt  df -h |
| **Output:** |
|  |

## b. Case 2: Create user, group, add user to group and change permissions of that user

|  |
| --- |
| Script: |
|  |
| Output: |
|  |

## c. Case 3: System Boot and Process Management: systemd, systemctl, ps, top, htop, journalctl

|  |  |
| --- | --- |
| Script: | |
|  | |
| Output: | |
|  |  |

## d. Case 4: Backup with Shell Scripting

|  |
| --- |
| Script: |
|  |
| Crontab for automatic backup |
|  |
| Output |
|  |

## e. Case 5: Explore networking basic (IP configuration, DNS, Routing) and also check host’s IP and ping google

|  |
| --- |
| Script: |
|  |
| Output: |
|  |