



Task-Based Practical Assignment

Instructions: Perform the following tasks on CentOS Stream 9 with GNOME Desktop.

◆ Task 1: GUI Exploration

1. Click on **Activities**.
2. Open the **Applications (9 dots icon)**.
3. Launch the **Settings** application.

Verify that you can navigate through system settings.

◆ Task 2: Change Hostname

1. Open **Settings** → **About**.
2. Click on **Device Name**.

Change the hostname to:

`linux-lab01`

- 3.
4. Click **Rename**.

Confirm that the hostname is updated.

◆ Task 3: Configure Date & Time

1. Go to **Settings** → **Date & Time**.
2. Enable **Automatic Date & Time**.
3. Enable **Automatic Time Zone**.
4. Set format to **24-hour format**.

 Verify correct time and timezone.

◆ **Task 4: Configure Network**

1. Open **Settings** → **Network**.
2. Enable **Wired Connection**.
3. Click  icon → Check **Details Tab**.
4. Verify:
 - IPv4 Address
 - DNS
 - Default Route
5. Ensure IPv4 method is set to **Automatic (DHCP)**.

 Confirm network is active.

◆ **Task 5: Create a New User**

1. Open **Settings** → **Users**.
2. Click **Unlock** and authenticate.
3. Click **Add User**.

4. Enter:

- Full Name: Lab User
- Username: labuser
- Account Type: Standard
- Set password manually

 Confirm new user appears in list.

◆ **Task 6: Update System**

1. Open **Software**.
2. Go to the Updates **tab**.
3. Click **Refresh**.
4. Install available updates.

 Restart system if required.

◆ **Task 7: Firewall Configuration**

1. Search for **Firewall** from Activities.
2. Open Firewall and Authenticate.
3. Select network interface (e.g., enp0s3).
4. Add a service or open a port (e.g., 80 TCP).
5. Set configuration to **Permanent**.

 Verify service is added.

◆ **Task 8: Terminal Basics**

1. Open Terminal.
 2. Identify:
 - Username
 - Hostname
 - Current directory
 - Symbol at end (\$ or #)
 3. Switch to root user (if permitted) and observe prompt change.
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