# How to install SplunkForwarder(Linux or Ubuntu)

1. **Download Splunk Universal Forwarder**
   - Visit: **https://www.splunk.com/en_us/download/**
   - Click**: Universal forwarder**
   - Create an account to proceed
   - Under **Choose your installation package**, select **Linux**
   - Choose **".deb"** package and it downloads it

**2. Navigate to the Downloads Directory:**

- Open a terminal on your system and run the following commands:
  - cd Downloads
  - ls

You should see a file like **splunkforwarder-<version>.deb**

**4. Install the Splunk Universal Forwarder**

Install the downloaded package using **dpkg**

- sudo dpkg -i splunkforwarder-<version>.deb

**5. Navigate to Splunk Forwarder Directory**

After the installation is complete, go to the Splunk Forwarder's installation directory:

- Cd /opt/splunkforwarder/bin

**6. Start Splunk Forwarder and Accept the License**

- sudo ./splunk start --accept-license

**7. Enable Splunk Forwarder to Start on Boot**

- sudo ./splunk enable boot-start

**8. Add Forward-Server and Configure Inputs**

- sudo ./splunk add forward-server <indexer_host>:<port>

**9. Add Monitored Logs or Files**

- sudo ./splunk add monitor /var/log

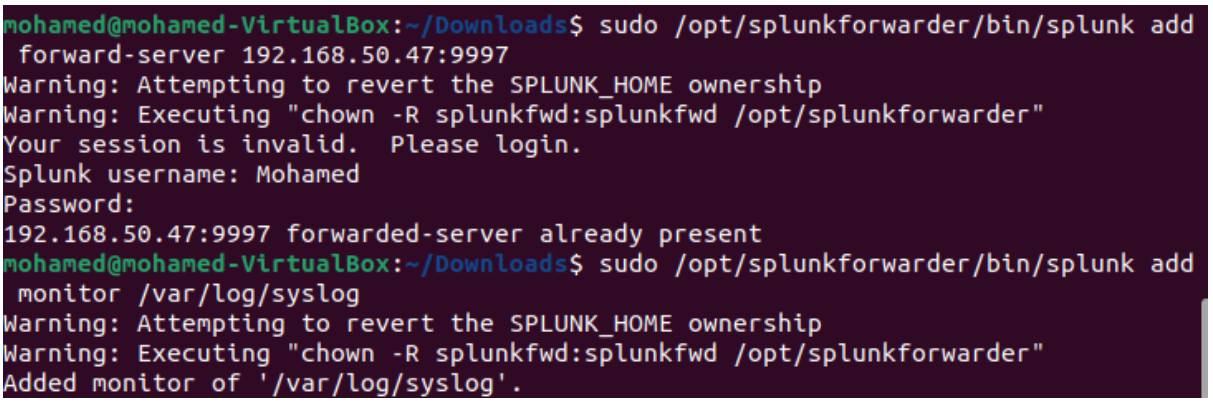
**10. Restart the Splunk Forwarder**

- sudo ./splunk restart

**11. Check Splunk Forwarder Status**

- sudo ./splunk status

**Warning Error**




The error in the screenshot shows that the Splunk session is invalid, and it asks to log in again. Here are the steps to resolve the issue:

## 1. Re-login to Splunk Forwarder

- Ensure you have the proper credentials for Splunk.

Run the command to log in again: bash
`sudo /opt/splunkforwarder/bin/splunk login`

- Enter your username and password when prompted.

## 2. Check SPLUNK_HOME Permissions

The warning indicates an ownership issue with the SPLUNK_HOME directory. Ensure that the Splunk user owns the directory: bash
`sudo chown -R splunkfwd:splunkfwd /opt/splunkforwarder`

- If your Splunk user is named differently, replace `splunkfwd` with the correct username.

## 3. Restart the Splunk Forwarder

Restart the Splunk service to apply any changes: bash
`sudo /opt/splunkforwarder/bin/splunk restart`

## 4. Verify the Forwarder Connection

Ensure that the forward-server is correctly set up: bash
`sudo /opt/splunkforwarder/bin/splunk list forward-server`

- Confirm the IP (`192.168.50.47:9997` in this case) is listed.

## 5. Monitor Configuration

Verify that the monitored path (`/var/log/syslog`) is properly added: bash
`sudo /opt/splunkforwarder/bin/splunk list monitor`

### 6. Review Splunk Logs

If issues persist, check Splunk logs for detailed errors: bash
`cat /opt/splunkforwarder/var/log/splunk/splunkd.log`

### 7. Firewall/Network Check

Ensure the Splunk forwarder can communicate with the Splunk indexer on port `9997`. bash
`telnet 192.168.50.47 9997`

- If the connection fails, check your firewall rules or network configuration.

Once you've re-logged in, fixed the permissions, and verified the forwarder configuration, the issue should be resolved. Let me know if you encounter further issues!