Apache NiFi User Guide

Step 1: Launch EC2 Instance

Launch an EC2 instance using the AMI: Supported AMIs-Apache NiFi

Make sure to configure the instance with the necessary security groups to allow inbound traffic on port 80 (http) and 22 (for ssh).

Step 2: Access the EC2 Instance

Once the instance is running, use SSH to access the instance.
ssh -i /path/to/your.pem ubuntu@your-instance-public-ip

Replace /path/to/your.pem with the path to your SSH key, and your-instance-public-ip with the public IP of your EC2 instance.

Step 3: Verify Apache NiFi

```
systemctl status nifi
```

```
root@ip-172-31-17-233:/opt/nifi# systemctl status nifi
● nifi.service – Apache NiFi
     Loaded: loaded (/etc/systemd/system/nifi.service; enabled; preset: enabled)
     Active: active (running) since Tue 2025-08-05 11:20:43 UTC; 30min ago
   Main PID: 600 (nifi.sh)
      Tasks: 111 (limit: 19161)
     Memory: 2.1G (peak: 2.1G)
        CPU: 1min 19.891s
     CGroup: /system.slice/nifi.service
             ├─600 /bin/sh /opt/nifi/bin/nifi.sh start
             ├─602 /usr/lib/jvm/java-21-openjdk-amd64/bin/java -cp */opt/nifi/conf:/opt/nifi/lib/bootstrap/* -Xmx48m -Dlogback.statusListenerClass=ch.qos.logback.core.status.NopStatusLi
             └─854 /usr/lib/jvm/java-21-openjdk-amd64/bin/java --class-path /opt/nifi/lib/log4j-over-slf4j-2.0.17.jar:/opt/nifi/lib/nifi-per-process-group-logging-2.5.0.jar:/opt/nifi/lib

Aug 05 11:20:42 ip-172-31-17-233 systemd[1]: Starting nifi.service – Apache NiFi...
Aug 05 11:20:42 ip-172-31-17-233 nifi.sh[572]: JAVA_HOME=/usr/lib/jvm/java-21-openjdk-amd64
Aug 05 11:20:42 ip-172-31-17-233 nifi.sh[572]: NIFI_HOME=/opt/nifi
Aug 05 11:20:43 ip-172-31-17-233 systemd[1]: Started nifi.service – Apache NiFi.
lines 1-16/16 (END)
```

You can verify that NiFi is running and listening on port 80 using the following command:

```
ss –tulnp | grep 80
```
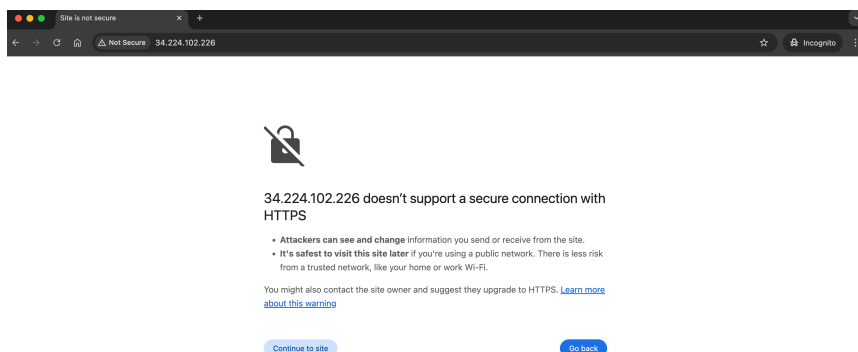
```
[root@ip-172-31-17-233:~# ss –tulnp | grep 80
tcp   LISTEN 0     50                    *:80              *:*    users:(("java",pid=854,fd=1726))
root@ip-172-31-17-233:~#
```

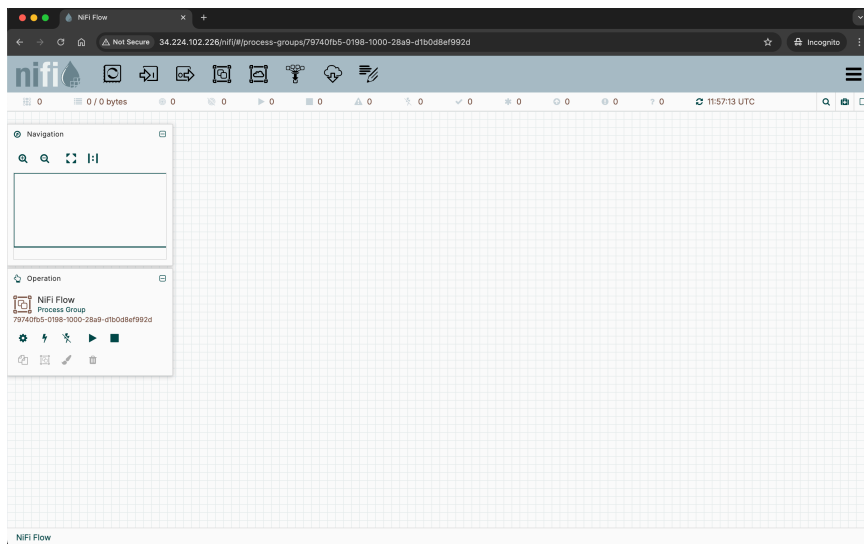You should see output indicating that NiFi is listening on port 80.

Step 4: Access Apache NiFi

Open your browser and navigate to:
http://your_instance_public_ip E.g. http://34.224.102.226

Click on Continue to Site

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Thank You!