

SonarQube Server

Usage instructions:

1. Launch the product via 1-click. **Please wait until** the instance passes all status checks and is running. You can connect using your Amazon private key and 'ubuntu' login via your SSH client.

To update software, use: **sudo apt update && sudo apt upgrade -y**

2. Adjust Nginx Configuration for a Public IP. Open the Nginx configuration file, use:

sudo nano /etc/nginx/sites-available/sonarqube

- Replace the existing "server_name" line with **your Public IPv4 address**

```
GNU nano 6.2
server {
    listen 80;
    server_name 18.234.81.132;

    access_log /var/log/nginx/sonarqube.access.log;
    error_log /var/log/nginx/sonarqube.error.log;

    location / {
        proxy_pass http://localhost:9000;
        proxy_set_header Host $host;
        proxy_set_header X-Real-IP $remote_addr;
        proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
        proxy_set_header X-Forwarded-Proto $scheme;
    }
}
```

- Save and exit the file (CTRL + X, then Y, then ENTER).

3. Test the configuration: **sudo nginx -t**

- If the test is successful, restart Nginx:

sudo systemctl restart nginx

5. Access SonarQube via Your Public IP, http://YOUR_PUBLIC_IP

- For Ex: **http://18.234.81.132**

6. Log in using **default credentials**:

- Username: **admin**
- Password: **admin**

Note: You will be asked to create a new password, etc.

Note: If you have problems logging in, be sure to check your anti-virus software, sometimes it may block http

AWS Data

- Data Encryption Configuration: This solution does not encrypt data within the running instance.
- User Credentials are stored: `/root/.ssh/authorized_keys` & `/home/ubuntu/.ssh/authorized_keys`
- Monitor the health:
 - Navigate to your Amazon EC2 console and verify that you're in the correct region.
 - Choose Instance and select your launched instance.
 - Select the server to display your metadata page and choose the Status checks tab at the bottom of the page to review if your status checks passed or failed.

Extra Information: (Optional)

Allocate Elastic IP

To ensure that your instance **keeps its IP during restarts** that might happen, configure an Elastic IP. From the EC2 console:

1. Select ELASTIC IPs.
2. Click on the ALLOCATE ELASTIC IP ADDRESS.
3. Select the default (Amazon pool of IPv4 addresses) and click on ALLOCATE.
4. From the ACTIONS pull down, select ASSOCIATE ELASTIC IP ADDRESS.
5. In the box that comes up, note down the Elastic IP Address, which will be needed when you configure your DNS.
6. In the search box under INSTANCE, click and find your INSTANCE ID and then click ASSOCIATE.
7. Your instance now has an elastic IP associated with it.
8. For additional help: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/elastic-ip-addresses-eip.html>