Private VPN Network Server running NetBird

Recommended Instance Size:
- 1–5 devices   t3.small
- 5–15 devices t3.medium

Usage instructions:

1.   Launch the product via 1-click from AWS Marketplace. **Wait** until the instance status changes to 'Running' and passes all health checks. Then, connect to your instance using your Amazon private key and the '**ubuntu**' user."

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

2. Start Setup, run:

   sudo /usr/local/bin/netbird-firstboot.sh

3. Choose Setup Type, you will see:

   1) Quick Start (recommended - no domain required)
   2) Use your own domain

Option 1 — Quick Start (RECOMMENDED)

👉 Choose **1**

For setup type: 1
For reverse proxy: 0
Enter your email
For proxy service: N

The system will automatically generate a secure domain like:

   vpn-54-161-32-206.sslip.io

✓ No domain purchase required
✓ No DNS setup
✓ Fastest setup

Open the Web Dashboard. After setup completes, open your browser:

Example: https://vpn-54-161-32-206.sslip.io/setup

<u>Option 2 — Use Your Own Domain</u>

Choose this if you already own a domain.

     Example: vpn.yourdomain.com

Make sure your domain points to your server IP.

Open the Web Dashboard. After setup completes, open your browser:

     https://YOUR_DOMAIN/setup

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5. Create Your Admin Account

You will:

- Create username
- Create password

👉 This becomes your VPN control panel login

6. Add Your Devices, inside the dashboard:

1. Click **Add Device**
2. Follow instructions

7. Install NetBird Client

    Install on your devices:
- Windows
- Mac
- Linux
- iPhone (iOS)
- Android

8. Connect and Verify, once connected:

✓ Your device appears in dashboard
✓ Traffic is routed securely
✓ Your IP is now masked

For more info: https://docs.netbird.io/

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:

    o   Navigate to your Amazon EC2 console and verify that you're in the correct region.

    o   Choose Instance and select your launched instance.

    o   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