

NetPilot Customer Onboarding Guide

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AI-Powered Network Automation

Welcome to NetPilot

Thank you for evaluating NetPilot. This guide will help you get up and running in under 15 minutes.

Prerequisites

Before starting, ensure you have:

Requirement	Version	Notes
Docker	20.10+	docker --version
Docker Compose	2.0+	docker-compose --version
Network access	-	SSH connectivity to your devices

Step 1: Obtain Access Credentials

Your NetPilot representative will provide:

- GitHub Container Registry access token
 - Initial admin credentials
 - License key (if applicable)
-

Step 2: Login to Container Registry

```
# Save your token to an environment variable
export GHCR_TOKEN="your-token-here"

# Login to GitHub Container Registry
echo $GHCR_TOKEN | docker login ghcr.io -u netpilot-customer --password-stdin
```

Expected output:

Login Succeeded

Step 3: Pull NetPilot Images

```
# Pull the latest images
docker pull ghcr.io/elliottconner/netpilot-api:latest
docker pull ghcr.io/elliottconner/netpilot-frontend:latest
```

Step 4: Create Configuration

Create a directory for NetPilot and add your configuration:

```
# Create NetPilot directory
mkdir -p ~/netpilot && cd ~/netpilot

# Create environment file
cat > .env << 'EOF'
# =====
# NetPilot Configuration
# =====

# Network Device Credentials
DEVICE_USERNAME=your_username
DEVICE_PASSWORD=your_password

# JWT Secret (generate a random string)
JWT_SECRET=change-this-to-a-random-64-character-string

# Dashboard Settings
DASHBOARD_ORIGIN=http://localhost:3000
JWT_EXPIRATION_HOURS=24

# Optional: Anthropic API for AI Chatbot
# ANTHROPIC_API_KEY=sk-ant-...
EOF
```

Important: Edit `.env` with your actual device credentials.

Step 5: Create Docker Compose File

```
cat > docker-compose.yml << 'EOF'
services:
  api:
    image: ghcr.io/elliottconner/netpilot-api:latest
    container_name: netpilot-api
    ports:
      - "5001:5001"
    env_file:
      - .env
    volumes:
      - ./data:/app/data
    restart: unless-stopped

  frontend:
    image: ghcr.io/elliottconner/netpilot-frontend:latest
    container_name: netpilot-frontend
    ports:
      - "3000:80"
    depends_on:
      - api
```

```
restart: unless-stopped
```

```
volumes:
  data:
EOF
```

Step 6: Start NetPilot

```
# Start the platform
docker-compose up -d

# Verify containers are running
docker-compose ps
```

Expected output:

NAME	STATUS	PORTS
netpilot-api	Up (healthy)	0.0.0.0:5001->5001/tcp
netpilot-frontend	Up	0.0.0.0:3000->80/tcp

Step 7: Access the Dashboard

1. Open your browser to: **http://localhost:3000**
 2. Login with default credentials:
 - o **Username:** admin
 - o **Password:** admin
 3. **Important:** Change the default password immediately after first login.
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Step 8: Add Your Devices

Option A: Via Dashboard

1. Navigate to **Settings → Device Management**
2. Click **Add Device**
3. Enter device details:
 - o Name (e.g., “R1”)
 - o IP Address
 - o Device Type (cisco_xe, juniper_junos, etc.)
4. Click **Save**

Option B: Via Configuration File

Create config/devices.py with your device inventory:

```
DEVICES = {
  "R1": {
    "device_type": "cisco_xe",
    "host": "10.0.0.1",
```

```

    "username": os.getenv("DEVICE_USERNAME"),
    "password": os.getenv("DEVICE_PASSWORD"),
},
# Add more devices...
}

```

Step 9: Verify Connectivity

1. In the dashboard, click on any device in the topology view
2. Click **Health Check**
3. Verify the device shows as “Healthy”

Or use the terminal:

```
# In the dashboard terminal, select a device and run:
show version
```

Quick Reference

Dashboard URLs

URL	Purpose
http://localhost:3000	Main dashboard
http://localhost:5001/health/live	API health check
http://localhost:5001/api/devices	Device list (API)

Common Commands

```

# View logs
docker-compose logs -f

# Restart services
docker-compose restart

# Stop NetPilot
docker-compose down

# Update to latest version
docker-compose pull
docker-compose up -d

```

Default Credentials

User	Password	Role
admin	admin	Full access
operator	operator	Read-only

Change these immediately after first login.

Troubleshooting

Cannot reach devices

1. Verify network connectivity from Docker host to devices
2. Check firewall rules allow SSH (port 22)
3. Verify credentials in .env file

```
# Test from Docker host
ssh admin@10.0.0.1
```

Dashboard not loading

```
# Check container status
docker-compose ps

# View logs
docker-compose logs frontend
docker-compose logs api
```

Login fails

1. Verify you're using correct credentials
2. Check API logs for errors:

```
docker-compose logs api | grep -i auth
```

Support

For technical support during your evaluation:

- **Email:** support@netpilot.io
- **Documentation:** <https://docs.netpilot.io>
- **Emergency:** Contact your NetPilot representative directly

Next Steps

After completing basic setup:

1. **Explore the Topology View** - Visualize your network
2. **Try the Terminal** - Run show commands on devices
3. **Test Health Checks** - Verify all devices are reachable
4. **Use the RAG Chatbot** - Ask questions about your network (requires Anthropic API key)

Security Recommendations

Before production use:

- Change all default passwords

- Generate unique JWT_SECRET
 - Configure HTTPS (reverse proxy recommended)
 - Review and customize RBAC permissions
 - Enable audit logging review
 - Restrict network access to dashboard
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