

1.0.0 - ami-01255585612415786

N8n Workflow Automation

Production-ready N8n deployment for AWS with automatic SSL and persistent storage.

Requirements

| Resource | Minimum | Recommended |
|---------------|----------|---------------------|
| Instance Type | t3.small | t3.medium or larger |
| RAM | 2 GB | 4 GB+ |
| EBS Storage | 20 GB | 50 GB+ |

Getting Started

Interactive Configuration

SSH into your instance and run:

```
sudo /opt/n8n/configure-n8n.sh
```

Follow the prompts to configure your domain/IP and HTTPS settings. Once complete, open the displayed URL and create your owner account.

Automated Configuration (User Data)

Launch with JSON user data for automated setup:

```
{  
  "host": "n8n.example.com",  
  "use_https": true,  
  "letsencrypt_email": "admin@example.com",  
}
```

```
"timezone": "UTC"
}
```

| Field | Required | Description |
|-------------------|--------------|---|
| host | No | Domain or IP (auto detects if not set) |
| use_https | No | Enable Let's Encrypt SSL (default: false) |
| letsencrypt_email | Yes if HTTPS | Email for SSL notifications |
| timezone | No | Server timezone (default: UTC) |

Management Commands

```
n8n-cli status          # Check service status
n8n-cli logs            # View logs
n8n-cli logs -f         # Follow logs
sudo n8n-cli start      # Start services
sudo n8n-cli stop       # Stop services
sudo n8n-cli restart    # Restart services
n8n-cli info            # View configuration
sudo n8n-cli update     # Update to latest version
sudo n8n-cli backup     # Create backup
sudo n8n-cli restore FILE # Restore from backup
n8n-cli shell           # Access container shell
```

Ports

| Port | Description |
|------|--------------------------------------|
| 22 | SSH |
| 80 | HTTP (HTTPS redirect/ACME challenge) |
| 443 | HTTPS |
| 5678 | N8n Web UI (HTTP mode only) |

Security Group for HTTP mode: Allow 22, 5678

Security Group for HTTPS mode: Allow 22, 80, 443

HTTPS Setup

Requirements:

- Valid domain name pointing to your instance
- Ports 80 and 443 open in security group

Certificates are automatically provisioned via Let's Encrypt and renew automatically.

Troubleshooting:

```
docker logs acme-companion      # Check certificate logs
docker logs nginx-proxy        # Check proxy logs
cd /opt/n8n && sudo docker compose restart  # Restart all services
```

Backups

```
# Create backup
sudo n8n-cli backup

# Restore backup
sudo n8n-cli restore /tmp/n8n-backup-YYYYMMDD-HHMMSS.tar.gz

# Copy to S3
aws s3 cp /tmp/n8n-backup-*.tar.gz s3://your-bucket/backups/
```

Backups include all workflows, credentials, execution history, and user accounts.

Data Locations

| Path | Description |
|----------------------|----------------------|
| /mnt/n8n-data/n8n/ | N8n application data |
| /mnt/n8n-data/certs/ | SSL certificates |
| /opt/n8n/ | Configuration files |

Troubleshooting

Cannot access web interface:

1. Check security group allows correct ports
2. Run `n8n-cli status` to verify service is running
3. Use incognito browser to avoid cached cookies

Login screen instead of setup:

```
sudo systemctl stop n8n.service
cd /opt/n8n && sudo docker compose down
sudo rm -rf /mnt/n8n-data/n8n/*
sudo rm -f /opt/n8n/.configured
sudo /opt/n8n/configure-n8n.sh
```

HTTPS not working:

```
cd /opt/n8n && sudo docker compose restart
docker logs acme-companion
docker logs nginx-proxy
```

Support

- N8n Documentation: <https://docs.n8n.io>
- N8n Community: <https://community.n8n.io>

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