

Quick Reference Guide

Uptime Kuma - Monitoring

Monitor your infra for free

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1. Why Monitor Your Infra?

- Outage detection in under 60 seconds
- Alerts: Telegram, email, Slack, Discord, webhook
- Public status page (free)
- Uptime history 30/60/90 days
- HTTP/HTTPS, TCP, Ping, DNS, SSL monitors

2. Deploy Uptime Kuma

```
mkdir -p ~/docker/uptime-kuma && cd ~/docker/uptime-kuma

cat > docker-compose.yml << 'EOF'
version: '3.8'
services:
  uptime-kuma:
    image: louislam/uptime-kuma:latest
    container_name: uptime-kuma
    restart: unless-stopped
    ports:
      - "3000:3001" # Generic port
    volumes:
      - ./data:/app/data
    environment:
      - TZ=America/Toronto
EOF

docker compose up -d
```

Access: <http://server-IP:3000> | Create admin account

3. HTTP/TCP/Ping Monitors

```
# HTTP Monitor:
# Type: HTTP(s)
# URL: https://blog.yourdomain.com
# Interval: 60s | Retries: 3

# TCP Monitor:
# Type: TCP Port
# Host: 192.168.1.100 | Port: 22

# Ping Monitor:
# Type: Ping
# Host: 192.168.1.1 | Interval: 30s

# SSL cert: HTTP(s) with "Check SSL/TLS Certificate"
```

4. Telegram Alerts

```
# 1. Create bot: @BotFather > /newbot
#   Copy the API token

# 2. Get Chat ID:
#   https://api.telegram.org/bot<TOKEN>/getUpdates

# 3. In Uptime Kuma:
#   Settings > Notifications > Add
#   Type: Telegram
#   Bot Token + Chat ID
#   Test Notification > Save
```

5. Email Alerts

```
# Settings > Notifications > Add
# Type: Email (SMTP)
# SMTP Host: smtp.gmail.com
# Port: 587 (TLS)
# Username + Gmail App Password
# From / To: your emails
# Test > Save
```

6. Status Page

- Status Pages > New Status Page
- Title, slug, description
- Select monitors to display
- Customize colors and logo
- Enable incidents and maintenance

7. Advanced Monitors

```
# DNS:
# Type: DNS | Hostname: domain.com
# Resolver: 8.8.8.8 | Record: A
# Expected: your-IP

# Docker container:
# (socket /var/run/docker.sock mounted)
# Type: Docker Container
# Container: ghost-blog
```

8. Maintenance

```
cd ~/docker/uptime-kuma
docker compose pull && docker compose up -d
tar czf kuma-backup-$(date +%Y%m%d).tar.gz ./data/
ls -lh ./data/kuma.db
```

Full article: botum.ca/uptime-kuma-self-hosted-monitoring/

Website: www.botum.ca -

- Canada