

## Case Study/ D15A/ 15

### Deploying NGINX server in cloudshell using kubernetes

#### Using AWS CloudShell:

Access AWS CloudShell

Log into the AWS Management Console.

Click on the CloudShell icon at the top right of the console.

```
sudo yum -y update
```

```
us-east-1 x us-east-1 x +

[cloudshell-user@ip-10-130-69-10 ~]$ sudo yum -y update
Last metadata expiration check: 0:05:17 ago on Wed 23 Oct 2024 09:37:01 AM UTC.
Dependencies resolved.
=====
Package                                     Architecture                               Version
=====
Upgrading:
amazon-linux-repo-cdn                       noarch                                     2023.6.20241010-0.amz
=====
```

#### INSTALL KUBECTL

```
curl -o kubectl
```

```
https://amazon-eks.s3.us-west-2.amazonaws.com/1.21.14/2022-11-01/bin/linux/amd64/kubectl
```

```
chmod +x ./kubectl
```

```
sudo mv ./kubectl /usr/local/bin
```

```
[cloudshell-user@ip-10-130-69-10 ~]$ curl -o kubectl https://amazon-eks.s3.us-west-2.amazonaws.com/1.21.14/2022-11-01/bin/linux/amd64/kubectl
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           Dload  Upload   Total   Spent    Left   Speed
100 325    0 325    0    0  1481    0 --:--:-- --:--:-- --:--:--  1484
[cloudshell-user@ip-10-130-69-10 ~]$ chmod +x ./kubectl
[cloudshell-user@ip-10-130-69-10 ~]$ sudo mv ./kubectl /usr/local/bin
[cloudshell-user@ip-10-130-69-10 ~]$
```

#### INSTALL EKSCTL

```
curl --silent --location
```

```
"https://github.com/weaveworks/eksctl/releases/latest/download/eksctl_${(uname -s)}_amd64.tar.gz" | tar xz -C /tmp
```

```
sudo mv /tmp/eksctl /usr/local/bin
```

```
us-east-1 x us-east-1 x +

[cloudshell-user@ip-10-130-69-10 ~]$ curl --silent --location "https://github.com/weaveworks/eksctl/releases/latest/download/eksctl_${(uname -s)}_amd64.tar.gz" | tar xz -C /tmp
[cloudshell-user@ip-10-130-69-10 ~]$ sudo mv /tmp/eksctl /usr/local/bin
[cloudshell-user@ip-10-130-69-10 ~]$ eksctl create cluster --name my-cluster --version 1.29 --region us-west-2 --nodegroup-name linux-nodes --node-type t2.micro --nodes 2 --nodes-min 1 --nodes-max 4 --managed
```

#### Create an EKS cluster

```
eksctl create cluster --name my-cluster --version 1.29 --region us-west-2 --nodegroup-name linux-nodes --node-type t2.micro --nodes 2 --nodes-min 1 --nodes-max 4 --managed
```

```
kubectl get svc
```

Create a YAML file named `nginx-pod.yaml` with the following content:

kubectl apply -f nginx-pod.yaml

kubectl get pods

```
us-east-1 +
2024-10-23 07:31:57 [i] node "ip-192-168-78-16.us-west-2.compute.internal" is ready
2024-10-23 07:31:57 [✓] created 1 managed nodegroup(s) in cluster "my-cluster"
2024-10-23 07:31:58 [i] kubectl command should work with "/home/cloudshell-user/.kube/config", try 'kubectl get nodes'
2024-10-23 07:31:58 [✓] EKS cluster "my-cluster" in "us-west-2" region is ready
[cloudshell-user@ip-10-132-34-188 ~]$
[cloudshell-user@ip-10-132-34-188 ~]$ echo "
> apiVersion: apps/v1
> kind: Deployment
> metadata:
>   name: nginx-deployment
>   labels:
>     app: nginx
> spec:
>   replicas: 2
>   selector:
>     matchLabels:
>       app: nginx
>   template:
>     metadata:
>       labels:
>         app: nginx
>     spec:
>       containers:
>       - name: nginx
>         image: nginx:1.17.4
>         ports:
>         - containerPort: 80
> " > nginx-deployment.yaml
[cloudshell-user@ip-10-132-34-188 ~]$ kubectl apply -f nginx-deployment.yaml
deployment.apps/nginx-deployment created
[cloudshell-user@ip-10-132-34-188 ~]$ kubectl expose deployment nginx-deployment --type=LoadBalancer --name=nginx-service
service/nginx-service exposed
[cloudshell-user@ip-10-132-34-188 ~]$ kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
nginx-deployment-6d88446c7d-psdkx   1/1     Running   0           19s
nginx-deployment-6d88446c7d-xxsjx   1/1     Running   0           19s
[cloudshell-user@ip-10-132-34-188 ~]$ █
Feedback
```

You can see the pods thus , nginx server is successfully deployed on kubernetes  
Now we have to monitor using Nagios:

## Step 4: Set Up Nagios for Monitoring

### 1. Install Nagios Core:

- Install Nagios Core on a separate machine or server
- Download the latest version of Nagios Core from the official website

Follow the installation instructions provided in the Nagios documentation

## 2. Configure Nagios to Monitor the Nginx Deployment:

- Add the necessary Nagios plugins to monitor HTTP services
- Configure Nagios to check the health of the Nginx pods by adding a command and service check in the Nagios configuration files.

### Steps for Installing Nagios

#### 1. Create EC2 Instance:

Launch an Amazon Linux EC2 instance named nagios-host.

Instances (1/1) Info

Last updated less than a minute ago

Connect

Instance state ▾

Actions ▾

Launch instances ▾

Find Instance by attribute or tag (case-sensitive)

All states ▾

< 1 > ⚙

<input checked="" type="checkbox"/>	Name <span>🔗</span> ▾	Instance ID	Instance state ▾	Instance type ▾	Status check	Alarm status	Availability Zone ▾	Public
<input checked="" type="checkbox"/>	nagios-host	i-070c8a6a7fe4e9adc	Running 🔍 🔍	t2.micro	2/2 checks passed	<a href="#">View alarms +</a>	us-east-1b	ec2-35

#### 2. Configure Security Group:

Open inbound rules for HTTP, HTTPS, SSH, and ICMP

Inbound rules

Outbound rules

Tags

Inbound rules (5)

🔄

Manage tags

Edit inbound rules

🔍 Search

< 1 >

⚙

<input type="checkbox"/>	Name	Security group rule...	IP version	Type	Protocol	Port range
<input type="checkbox"/>	-	sgr-0f04080bb5a20ec67	IPv6	All ICMP - IPv6	IPv6 ICMP	All
<input type="checkbox"/>	-	sgr-0c18651ca52b0fa07	IPv4	SSH	TCP	22
<input type="checkbox"/>	-	sgr-0fba99b148b82e7d	IPv4	HTTP	TCP	80
<input type="checkbox"/>	-	sgr-0eb2ab2ee65b63cbf	IPv4	All ICMP - IPv4	ICMP	All
<input type="checkbox"/>	-	sgr-0b7d558557382e...	IPv4	HTTPS	TCP	443

#### 3. SSH into EC2 Instance:


- Connect to the instance via SSH or EC2 Instance Connect.


EC2 Instance Connect

Session Manager

SSH client

EC2 serial console



**Port 22 (SSH) is open to all IPv4 addresses**  
 Port 22 (SSH) is currently open to all IPv4 addresses, indicated by **0.0.0.0/0** in the inbound rule in [your security group](#). For increased security, consider restricting access to only the EC2 Instance Connect service IP addresses for your Region: 18.206.107.24/29. [Learn more](#).

Instance ID  
 i-070c8a6a7fe4e9adc (nagios-host)

Connection Type
 

☒ **Connect using EC2 Instance Connect**  
 Connect using the EC2 Instance Connect browser-based client, with a public IPv4 or IPv6 address.

☐ **Connect using EC2 Instance Connect Endpoint**  
 Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.

☒ **Public IPv4 address**  
 35.171.182.168

☐ **IPv6 address**  
 -

Username  
 Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ec2-user.

## 4.Update Package Indices and Install Required Packages

Commands -

```
sudo yum update
```

```
sudo yum install httpd php
```

```
sudo yum install gcc glibc glibc-common
```

```
sudo yum install gd gd-devel
```

```

/m/
[ec2-user@ip-172-31-38-122 ~]$ sudo yum update
Last metadata expiration check: 0:17:45 ago on Wed Oct 23 10:04:49 2024.
Dependencies resolved.
Nothing to do.
Complete!
[ec2-user@ip-172-31-38-122 ~]$ sudo yum install httpd php
Last metadata expiration check: 0:17:56 ago on Wed Oct 23 10:04:49 2024.
Dependencies resolved.
=====
Package                                Architecture      Version
-----
Installing:
  httpd                                x86_64            2.4.62-1.amzn2023
  php8.3                               x86_64            8.3.10-1.amzn2023.0.1
Installing dependencies:

```

```
Complete!
[ec2-user@ip-172-31-38-122 ~]$ sudo yum install gcc glibc glibc-common
Last metadata expiration check: 0:19:01 ago on Wed Oct 23 10:04:49 2024.
Package glibc-2.34-52.amzn2023.0.11.x86_64 is already installed.
Package glibc-common-2.34-52.amzn2023.0.11.x86_64 is already installed.
Dependencies resolved.
=====
Package                                Architecture                               Ver
=====
Installing:
gcc                                    x86_64                                    11.
Installing dependencies:
annobin-docs                          noarch                                    10.
annobin-plugin-gcc                    x86_64                                    10.
=====
```

```
Complete!
[ec2-user@ip-172-31-38-122 ~]$ sudo yum install gd gd-devel
Last metadata expiration check: 0:19:57 ago on Wed Oct 23 10:04:49 2024.
Dependencies resolved.
=====
Package                                Architecture                               Ver
=====
Installing:
gd                                    x86_64                                    2.3.3
gd-devel                             x86_64                                    2.3.3
Installing dependencies:
brotli                               x86_64                                    1.0.8
=====
```

## 5.Create a New Nagios User

Commands -

```
sudo adduser -m nagios
```

```
sudo passwd nagios
```

```
Complete!
[ec2-user@ip-172-31-38-122 ~]$ sudo adduser -m nagios
[ec2-user@ip-172-31-38-122 ~]$ sudo passwd nagios
Changing password for user nagios.
New password:
BAD PASSWORD: The password contains the user name in some form
Retype new password:
passwd: all authentication tokens updated successfully.
[ec2-user@ip-172-31-38-122 ~]$
```

## 6.create a New User Group

Commands -

```
sudo groupadd nagcmd
```

### Add Users to the Group

Commands -

```
sudo usermod -a -G nagcmd nagios
```

```
sudo usermod -a -G nagcmd apache
```

```
[ec2-user@ip-172-31-38-122 ~]$ sudo usermod -a -G nagcmd nagios
[ec2-user@ip-172-31-38-122 ~]$ sudo usermod -a -G nagcmd apache
```

## Create a Directory for Nagios Downloads

Commands -

```
mkdir ~/downloads
```

```
cd ~/downloads
```

```
[ec2-user@ip-172-31-38-122 ~]$ mkdir ~/downloads
[ec2-user@ip-172-31-38-122 ~]$ cd ~/downloads
```

## Download Nagios and Plugins Source Files

Commands -

```
wget https://assets.nagios.com/downloads/nagioscore/releases/nagios-4.4.6.tar.gz
```

```
wget https://nagios-plugins.org/download/nagios-plugins-2.3.3.tar.gz
```

```
[ec2-user@ip-172-31-38-122 downloads]$ wget https://assets.nagios.com/downloads/nagioscore/releases/nagios-4.4.6.tar.gz
--2024-10-23 10:29:12-- https://assets.nagios.com/downloads/nagioscore/releases/nagios-4.4.6.tar.gz
Resolving assets.nagios.com (assets.nagios.com)... 45.79.49.120, 2600:3c00::f03c:92ff:fef7:45ce
Connecting to assets.nagios.com (assets.nagios.com)|45.79.49.120|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 11333414 (11M) [application/x-gzip]
Saving to: 'nagios-4.4.6.tar.gz'

nagios-4.4.6.tar.gz          100%[=====]
2024-10-23 10:29:13 (13.5 MB/s) - 'nagios-4.4.6.tar.gz' saved [11333414/11333414]
```

```
[ec2-user@ip-172-31-38-122 downloads]$ wget https://nagios-plugins.org/download/nagios-plugins-2.3.3.tar.gz
--2024-10-23 10:30:20-- https://nagios-plugins.org/download/nagios-plugins-2.3.3.tar.gz
Resolving nagios-plugins.org (nagios-plugins.org)... 45.56.123.251
Connecting to nagios-plugins.org (nagios-plugins.org)|45.56.123.251|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 2782610 (2.7M) [application/x-gzip]
Saving to: 'nagios-plugins-2.3.3.tar.gz'

nagios-plugins-2.3.3.tar.gz  100%[=====]
2024-10-23 10:30:21 (7.65 MB/s) - 'nagios-plugins-2.3.3.tar.gz' saved [2782610/2782610]
```

```
2024-10-23 10:30:21 (7.65 MB/s) - 'nagios-plugins-2.3.3.tar.gz' saved [2782610/2782610]

[ec2-user@ip-172-31-38-122 downloads]$ tar zxvf nagios-4.4.6.tar.gz
nagios-4.4.6/
nagios-4.4.6/.gitignore
nagios-4.4.6/.travis.yml
nagios-4.4.6/CONTRIBUTING.md
```

## Extract the Nagios Source File

Commands -

```
tar zxvf nagios-4.4.6.tar.gz
```

```
cd nagios-4.4.6
```

## Run the Configuration Script

Commands -

```
./configure --with-command-
```

```
group=nagcmd
```

```
nagios-4.4.6/xdata/xsdddefault.h
[ec2-user@ip-172-31-38-122 downloads]$ cd nagios-4.4.6
[ec2-user@ip-172-31-38-122 nagios-4.4.6]$ ./configure --with-command-group=nagcmd
checking for a BSD-compatible install... /usr/bin/install -c
checking build system type... x86_64-pc-linux-gnu
checking host system type... x86_64-pc-linux-gnu
checking for gcc... gcc
```

## Compile the Source Code

Commands -

```
make all
```

```
- What version of Nagios you are using
- What version of the plugins you are using
- Relevant snippets from your config files
- Relevant error messages from the Nagios log file

For more information on obtaining support for Nagios, visit:
    https://support.nagios.com

*****
joy.
[ec2-user@ip-172-31-38-122 nagios-4.4.6]$
```

## Install Binaries, Init Script, and Sample Config Files

Commands -

```
./sudo make install
```

```
sudo make install-init
```

```
sudo make install-config
```

```
sudo make install-commandmode
```

```
[ec2-user@ip-172-31-38-122 nagios-4.4.6]$ sudo make install
cd ./base && make install
make[1]: Entering directory '/home/ec2-user/downloads/nagios-4.4.6/base'
/usr/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/bin
/usr/bin/install -c -s -m 774 -o nagios -g nagios nagios /usr/local/nagios/bin
/usr/bin/install -c -s -m 774 -o nagios -g nagios nagiosstats /usr/local/nagios/bin
make[1]: Leaving directory '/home/ec2-user/downloads/nagios-4.4.6/base'
cd ./cgi && make install
make[1]: Entering directory '/home/ec2-user/downloads/nagios-4.4.6/cgi'
make install-basic
make[2]: Entering directory '/home/ec2-user/downloads/nagios-4.4.6/cgi'
/usr/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/sbin
for file in *.cgi; do \
    /usr/bin/install -c -s -m 775 -o nagios -g nagios $file /usr/local/nagios/sbin; \
done
```



```

make install-config
- This installs sample config files in /usr/local/nagios/etc

make[1]: Leaving directory '/home/ec2-user/downloads/nagios-4.4.6'
[ec2-user@ip-172-31-38-122 nagios-4.4.6]$ sudo make install-init
/usr/bin/install -c -m 755 -d -o root -g root /lib/systemd/system
/usr/bin/install -c -m 755 -o root -g root startup/default-service /lib/systemd/system/nagios.service
[ec2-user@ip-172-31-38-122 nagios-4.4.6]$ sudo make install-config
/usr/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/etc
/usr/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/etc/objects
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/nagios.cfg /usr/local/nagios/etc/nagios.cfg

```

```

[ec2-user@ip-172-31-38-122 nagios-4.4.6]$ sudo make install-commandmode
/usr/bin/install -c -m 775 -o nagios -g nagcmd -d /usr/local/nagios/var/rw
chmod g+s /usr/local/nagios/var/rw

```

```

*** External command directory configured ***

```

```

[ec2-user@ip-172-31-38-122 nagios-4.4.6]$

```

## Edit the Config File

Commands -

```
sudo nano /usr/local/nagios/etc/objects/commands.cfg sudo
```

```
nano /usr/local/nagios/etc/objects/services.cfg
```

```

define command {
    command_name    notify-host-by-email
    command_line    /usr/bin/printf "%b" "***** Nagios *****\n\nNotification Type: $NOTIFICATIONTYPE$\nHost: $HOSTNAME$\nState: $HOSTSTATES$\nAddress: $HOSTADDRESS$\n\n$NOTIFICATIONFROM$"
}

define command {
    command_name    notify-service-by-email
    command_line    /usr/bin/printf "%b" "***** Nagios *****\n\nNotification Type: $NOTIFICATIONTYPE$\n\nService: $SERVICEDESC$\nHost: $HOSTALIAS$\nAddress: $HOSTADDRESS$\n\n$NOTIFICATIONFROM$"
}

define command {
    command_name    check_nginx
    command_line    $USER1$/check_http -I $HOSTADDRESS$ -p 80
}

#####

```

GNU nano 5.8

```

define service {
    use                generic-service
    host_name          localhost
    service_description Nginx
    check_command       check_nginx
    check_interval      0.5
    retry_interval      0.5
    max_check_attempts  3
}

```



## Configure the Web Interface

Commands –

sudo make install-webconf

```
[ec2-user@ip-172-31-38-122 nagios-4.4.6]$ sudo make install-webconf
/usr/bin/install -c -m 644 sample-config/httpd.conf /etc/httpd/conf.d/nagios.conf
if [ 0 -eq 1 ]; then \
    ln -s /etc/httpd/conf.d/nagios.conf /etc/apache2/sites-enabled/nagios.conf; \
fi

*** Nagios/Apache conf file installed ***

[ec2-user@ip-172-31-38-122 nagios-4.4.6]$
```

## Create a Nagios Admin Account

Commands –

sudo htpasswd -c /usr/local/nagios/etc/htpasswd.users nagiosadmin

You will be prompted to enter and confirm the password for the nagiosadmin user

```
[ec2-user@ip-172-31-38-122 nagios-4.4.6]$ sudo htpasswd -c /usr/local/nagios/etc/htpasswd.users nagiosadmin
New password:
Re-type new password:
Adding password for user nagiosadmin
[ec2-user@ip-172-31-38-122 nagios-4.4.6]$
```

## Restart Apache

Commands -

sudo systemctl restart httpd

## Extract the Plugins Source File

Commands –

cd ~/downloads

tar zxvf nagios-plugins-2.3.3.tar.gz

```
[ec2-user@ip-172-31-38-122 nagios-4.4.6]$ sudo systemctl restart httpd
[ec2-user@ip-172-31-38-122 nagios-4.4.6]$ cd ~/downloads
[ec2-user@ip-172-31-38-122 downloads]$ tar zxvf nagios-plugins-2.3.3.tar.gz
nagios-plugins-2.3.3/
nagios-plugins-2.3.3/perlmods/
nagios-plugins-2.3.3/perlmods/Config-Tiny-2.14.tar.gz
nagios-plugins-2.3.3/perlmods/parent-0.226.tar.gz
nagios-plugins-2.3.3/perlmods/Test-Simple-0.98.tar.gz
nagios-plugins-2.3.3/perlmods/Makefile.in
nagios-plugins-2.3.3/perlmods/version-0.9903.tar.gz
nagios-plugins-2.3.3/perlmods/Makefile.am
nagios-plugins-2.3.3/perlmods/Module-Runtime-0.013.tar.gz
nagios-plugins-2.3.3/perlmods/Module-Metadata-1.000014.tar.gz
nagios-plugins-2.3.3/perlmods/Params-Validate-1.08.tar.gz
nagios-plugins-2.3.3/perlmods/Class-Accessor-0.34.tar.gz
nagios-plugins-2.3.3/perlmods/Try-Tiny-0.18.tar.gz
nagios-plugins-2.3.3/perlmods/Module-Implementation-0.07.tar.gz
nagios-plugins-2.3.3/perlmods/Makefile
```

If Error

sudo mkdir -p /usr/local/nagios/var/spool/checkresults

```
sudo chown -R nagios:nagcmd /usr/local/nagios/var
```

## Compile and Install Plugins

Commands -

```
./configure --with-nagios-user=nagios --with-nagios-group=nagios
```

```
make
```

```
sudo make install
```

```
[ec2-user@ip-172-31-38-122 nagios-plugins-2.3.3]$ ./configure --with-nagios-user=nagios --with-nagios-group=nagios
checking for a BSD-compatible install... /usr/bin/install -c
checking whether build environment is sane... yes
checking for a thread-safe mkdir -p... /usr/bin/mkdir -p
checking for gawk... gawk
checking whether make sets $(MAKE)... yes
checking whether to disable maintainer-specific portions of Makefiles... yes
checking build system type... x86_64-unknown-linux-gnu
```

```
[ec2-user@ip-172-31-38-122 nagios-plugins-2.3.3]$ sudo /usr/local/nagios/bin/nagios -v /usr/local/nagios/etc/nagios.cfg

Nagios Core 4.4.6
Copyright (c) 2009-present Nagios Core Development Team and Community Contributors
Copyright (c) 1999-2009 Ethan Galstad
Last Modified: 2020-04-28
License: GPL

Website: https://www.nagios.org
Reading configuration data...
Error: Cannot open main configuration file '/home/ec2-user/downloads/nagios-plugins-2.3.3/usr/local/nagios/etc/nagios.cfg' for reading
[ec2-user@ip-172-31-38-122 nagios-plugins-2.3.3]$ sudo /usr/local/nagios/bin/nagios -v /usr/local/nagios/etc/nagios.cfg
```

## Start Nagios

Commands -

```
sudo chkconfig --add nagios
```

```
sudo chkconfig nagios on
```

```
sudo /usr/local/nagios/bin/nagios -v /usr/local/nagios/etc/nagios.cfg
```

```
sudo systemctl start nagios
```

Check Nagios Status: sudo

```
systemctl status nagios
```

```
Total Warnings: 0
Total Errors: 0

Things look okay - No serious problems were detected during the pre-flight checks
[ec2-user@ip-172-31-38-122 nagios-plugins-2.3.3]$ sudo service nagios start
Redirecting to /bin/systemctl start nagios.service
[ec2-user@ip-172-31-38-122 nagios-plugins-2.3.3]$ sudo systemctl status nagios
● nagios.service - Nagios Core 4.4.6
   Loaded: loaded (/usr/lib/systemd/system/nagios.service; enabled; preset:
   Active: active (running) since Wed 2024-10-23 11:14:47 UTC; 3min 45s ago
     Docs: https://www.nagios.org/documentation
    Main PID: 70052 (nagios)
      Tasks: 6 (limit: 1112)
     Memory: 2.8M
        CPU: 62ms
   CGroup: /system.slice/nagios.service
           └─70052 /usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nag
           └─70053 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/\
           └─70054 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/\
           └─70055 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/\
           └─70056 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/\
           └─70057 /usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nag
```

Nagios Page will be visible:

Username : nagiosadmin

Password : your password

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**Nagios® Core™**

✓ Daemon running with PID 4996

**Nagios® Core™**  
Version 4.4.6  
April 28, 2020  
Check for updates

A new version of Nagios Core is available!  
Visit [nagios.org](https://nagios.org) to download Nagios 4.5.0.

**Get Started**

- Start monitoring your infrastructure
- Change the look and feel of Nagios
- Extend Nagios with hundreds of addons
- Get support
- Get training
- Get certified

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**Current Network Status**  
Last Updated: Thu Oct 24 14:49:17 UTC 2024  
Updated every 90 seconds  
Nagios® Core™ 4.4.6 - [www.nagios.org](https://www.nagios.org)  
Logged in as nagiosadmin

**Host Status Totals**  
Up Down Unreachable Pending  
1 0 0 0  
All Problems All Types  
0 1

**Service Status Totals**  
Ok Warning Unknown Critical Pending  
7 0 1 1 0  
All Problems All Types  
2 9

**Service Status Details For All Hosts**

Limit Results: 100

Host	Service	Status	Last Check	Duration	Attempt	Status Information
localhost	Current Load	OK	10-24-2024 14:46:29	0d 0h 33m 33s	1/4	OK - load average: 0.00, 0.00, 0.00
	Current Users	OK	10-24-2024 14:47:06	0d 0h 32m 55s	1/4	USERS OK - 2 users currently logged in
	HTTP	UNKNOWN	10-24-2024 14:47:43	0d 0h 1m 34s	4/4	check_http: Invalid hostname/address - -p
	Nginx Web Server	OK	10-24-2024 14:48:20	0d 0h 3m 25s+	1/3	HTTP OK: HTTP/1.1 200 OK - 848 bytes in 0.123 second response time
	PING	OK	10-24-2024 14:48:57	0d 0h 31m 40s	1/4	PING OK - Packet loss = 0%, RTA = 0.03 ms
	Root Partition	OK	10-24-2024 14:23:14	0d 0h 31m 3s	1/4	DISK OK - free space / 6165 MiB (75.97% inode=99%):
	SSH	OK	10-24-2024 14:23:52	0d 0h 30m 25s	1/4	SSH OK - OpenSSH 8.7 (protocol 2.0)
	Swap Usage	CRITICAL	10-24-2024 14:22:29	0d 0h 26m 48s	4/4	SWAP CRITICAL - 0% free (0 MB out of 0 MB) - Swap is either disabled, not present, or of zero size.
	Total Processes	OK	10-24-2024 14:25:07	0d 0h 29m 10s	1/4	PROCS OK: 36 processes with STATE = RSZDT

Results 1 - 9 of 9 Matching Services

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