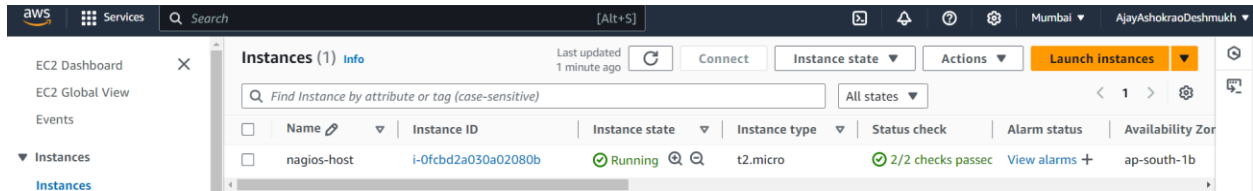


Experiment No 9

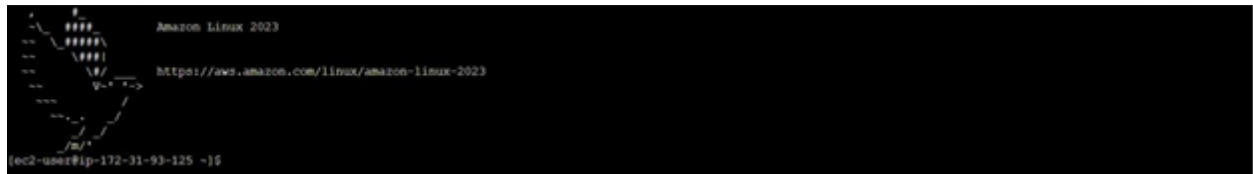
Ajay Deshmukh
D15B 12
Batch A

AIM: To Understand Continuous monitoring and Installation and configuration of Nagios Core, Nagios Plugins and NRPE (Nagios Remote Plugin Executor) on Linux Machine.

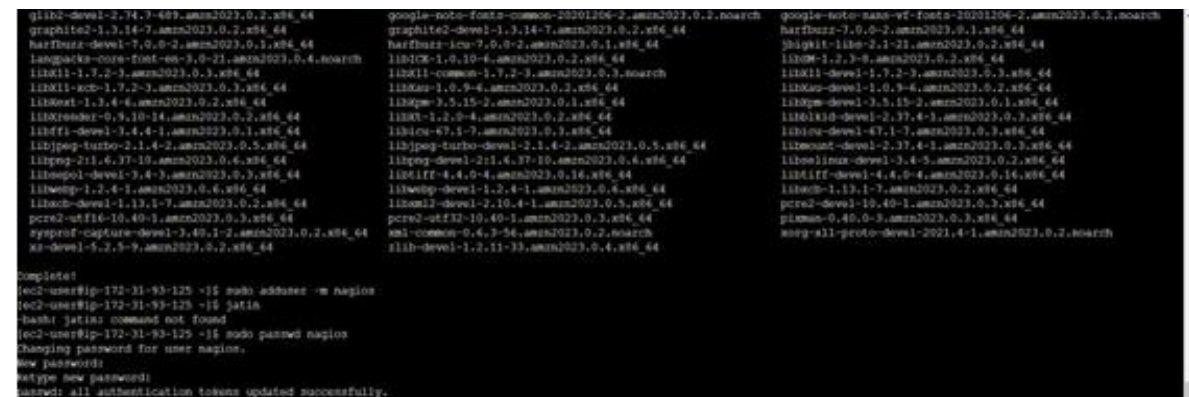
1)



2)



3)



4)

```
[ec2-user@ip-172-31-93-125 ~]$ mkdir ~/downloads
[ec2-user@ip-172-31-93-125 ~]$ cd ~/downloads
[ec2-user@ip-172-31-93-125 downloads]$ wget http://nagios-plugins.org/download/nagios-plugins-2.0.3.tar.gz
--2023-10-04 15:54:00-- http://nagios-plugins.org/download/nagios-plugins-2.0.3.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|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 2459772 (2.5M) [application/x-gzip]
Saving to: 'nagios-plugins-2.0.3.tar.gz'

nagios-plugins-2.0.3.tar.gz      100%[=====>] 2.54M  6.00MB/s   in 0.4s
2023-10-04 15:54:01 (6.04 MB/s) - 'nagios-plugins-2.0.3.tar.gz' saved [2459772/2459772]
```

5)

```
[ec2-user@ip-172-31-43-1 ~]$ mkdir downloads
[ec2-user@ip-172-31-43-1 ~]$ cd downloads
[ec2-user@ip-172-31-43-1 downloads]$ wget http://prdownloads.sourceforge.net/sourceforge/nagios/nagios-4.0.8.tar.gz
--2021-10-23 22:38:58-- http://prdownloads.sourceforge.net/sourceforge/nagios/nagios-4.0.8.tar.gz
Resolving prdownloads.sourceforge.net (prdownloads.sourceforge.net)... 204.68.111.105
Connecting to prdownloads.sourceforge.net (prdownloads.sourceforge.net) 204.68.111.105|:80... connected.
HTTP request sent, awaiting response... 301 Moved Permanently
Location: http://downloads.sourceforge.net/project/nagios/nagios-4.x/nagios-4.0.8/nagios-4.0.8.tar.gz [following]
--2021-10-23 22:38:58-- http://downloads.sourceforge.net/project/nagios/nagios-4.x/nagios-4.0.8/nagios-4.0.8.tar.gz
Resolving downloads.sourceforge.net (downloads.sourceforge.net)... 204.68.111.105
```

6)

```
[ec2-user@ip-172-31-43-1 nagios-4.0.8]$ ./configure --with-command-group=nagcmd
checking for a BSD-compatible install... /usr/bin/install -c
checking build system type... x86_64-unknown-linux-gnu
checking host system type... x86_64-unknown-linux-gnu
checking for gcc... gcc
checking for C compiler default output file name... a.out
checking whether the C compiler works... yes
checking whether we are cross compiling... no
checking for suffix of executables...
checking for suffix of object files... o
checking whether we are using the GNU C compiler... yes
checking whether gcc accepts -g... yes
checking for gcc option to accept ISO C89... none needed
```

7)

```
GNU nano 2.9.8 /usr/local/nagios/etc/objects/c
=====
# CONTACTS.CFG - SAMPLE CONTACT/CONTACTGROUP DEFINITIONS
#
# NOTES: This config file provides you with some example contact and contact
#        group definitions that you can reference in host and service
#        definitions.
#
#        You don't need to keep these definitions in a separate file from your
#        other object definitions. This has been done just to make things
#        easier to understand.
#
=====
# CONTACTS
#
=====
# Just one contact defined by default - the Nagios admin (that's you)
# This contact definition inherits a lot of default values from the 'generic-contact'
# template which is defined elsewhere.

define contact{
    contact_name    nagiosadmin        ; Short name of user
    use             generic-contact     ; Inherit default values from
    alias           Nagios Admin        ; Full name of user
}
```

8)

```

*** Support Notes *****

If you have questions about configuring or running Nagios,
please make sure that you:

    - Look at the sample config files
    - Read the documentation on the Nagios Library at:
      http://library.nagios.com

before you post a question to one of the mailing lists.
Also make sure to include pertinent information that could
help others help you. This might include:

    - 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:

    http://support.nagios.com

*****

Enjoy.

[ec2-user@ip-172-31-43-1 nagios-4.0.8]$ |

```

9)

```

[ec2-user@ip-172-31-46-218 nagios-4.0.8]$ sudo make install-webconf
/usr/bin/install -c -m 644 sample-config/httpd.conf /etc/httpd/conf.d/nagios.conf

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

```

10)

```

[ec2-user@ip-172-31-46-218 nagios-4.0.8]$ sudo htpasswd -c /usr/local/nagios/etc/htpasswd.users nagiosadmin
New password:
Re-type new password:
Adding password for user nagiosadmin
[ec2-user@ip-172-31-46-218 nagios-4.0.8]$ |

```

11)

```

[ec2-user@ip-172-31-46-218 ~]$ cd ~/downloads/
[ec2-user@ip-172-31-46-218 downloads]$ tar zxvf nagios-plugins-2.0.3.tar.gz|

```

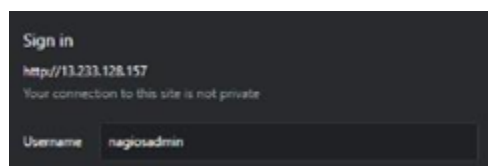
12)

```
ec2-user@ip-172-31-46-218 ~]$ sudo service nagios start
Starting nagios (via systemctl): [ OK ]
ec2-user@ip-172-31-46-218 ~]$ |
```

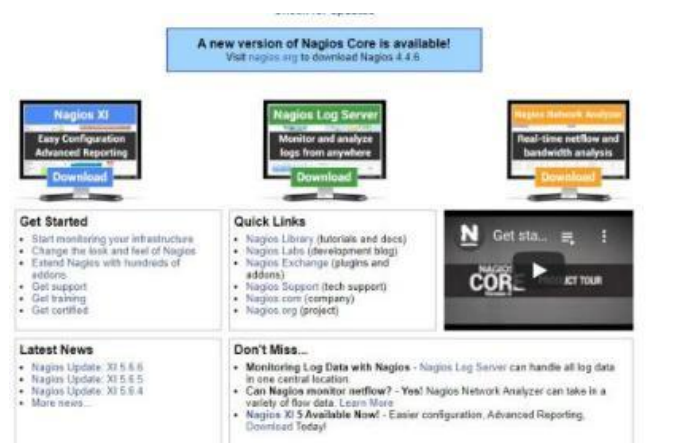
13)

```
[ec2-user@ip-172-31-46-218 ~]$ sudo systemctl status nagios
● nagios.service - LSB: Starts and stops the Nagios monitoring server
   Loaded: loaded (/etc/rc.d/init.d/nagios; bad; vendor preset: disabled)
   Active: active (running) since Sun 2021-10-24 08:05:00 UTC; 1min 21s ago
     Docs: man:systemd-sysv-generator(8)
  Process: 30073 ExecStart=/etc/rc.d/init.d/nagios start (code=exited, status=0/SUCCESS)
    CGroup: /system.slice/nagios.service
            └─30094 /usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios
            └─30096 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var
            └─30097 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var
            └─30098 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var
            └─30099 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var
            └─30100 /usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios
```

14)



15)



Conclusion: Thus, we have understood continuous monitoring and Installation and configuration of Nagios Core, Nagios Plugins and NRPE (Nagios Remote Plugin Executor) on Linux Machine.