Nagios - Nagios is an open-source edoftware for Continuous Monitoring of Systems, networks and imprastructure. It runs plugins estored on a Server which is Connected with a host or another Server on your Network or the internet. In Case of any failure, Nagios Alerts about the issues So that the technical team Can perform recovery process immediately.

Failure Application of Cools Analysis of Cools inside CIKD failure failure failure failure failure failure

History of Nagios

- → In year 1999, Ethan galstad developed it as a part of Netsaint distribution.
- → 2002, Ethan renames the project to "Nagios" because of trademark issues with the name "Netsaint".
- → 2009, Nagios releases its first Commercial Version, Nagios XI
- → In 2012, Nagios again renamed as Nagios Core
- H uses port number 5666, 5667 and 5668 to monitor its Client

Why nagios > → Detect all types of network or Server issues → helps you to find the root Cause of the problem which allow you to get
the permanent solution to the problem.
-> Reduce downtime
- Active Monitoring of entire infrastructure
Allow you to monitor and troubleshoot Server performance issues.
> Automatically fix problem.

Features of Nagios

- -> Oldest and Latest
- → Good log and database system
- -> Informative and attractive web Interface
- → Automatically Sena alerts if Condition Changes
- -> Helps you to detect network errors or server Crashes
- → You Can monitor the entire business process and IT infrastructure with a Single pass.
- > Monitor network Services like http. Smtp, Snmp, ftp, ssh, pop, DNS, LDAP, IPMI etc.

Phases of Continuous Monitoring 1) Define -> develop a monitoring strategy ② Establish → How frequently you are going to monitor it 3 Implement 4) Analyze data and Report finding (5) Respond 6 Review and Update

Nagios Architecture

Nagios is a Client-server architecture.

Usually on a network, a nagios server

is running on a host and plugins are running on all the remote host which

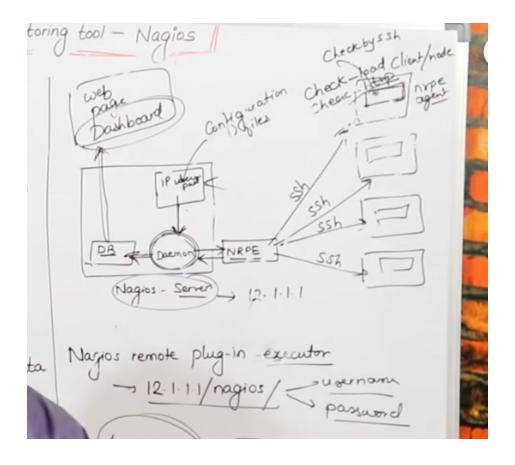
Should you monitor

How does it works?

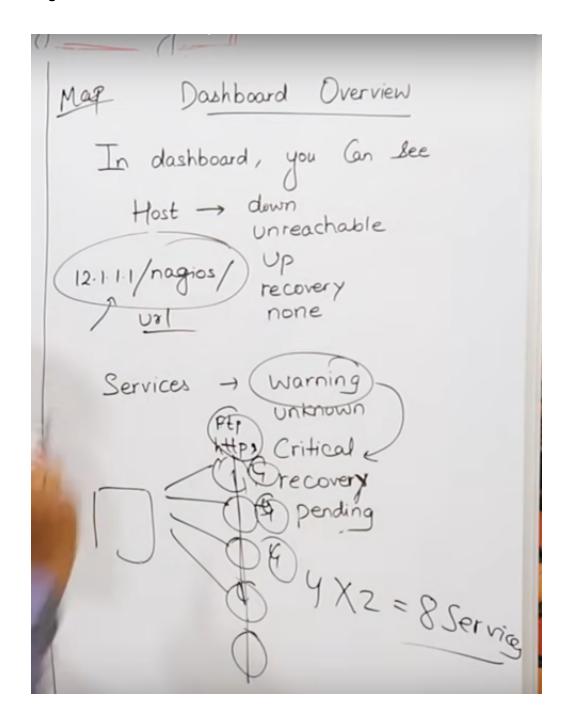
- → Mention all details in Configuration files.
- → Daemon read those details what data to be Collected
- → Daemon use NRPE plug-in to Collect data from nodes and store in its own database.
- > Finally shows everything in doubboard.

Nagios Notes :

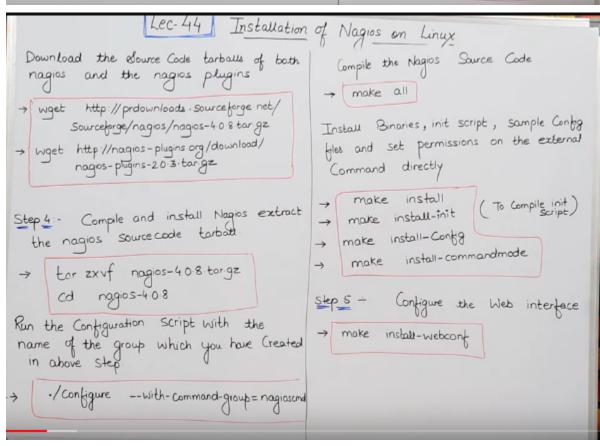
t.me/vishalk17



Pre-requisite → httpd (Browser) > php (dashboard) → gec 2 gd (Compiler, to Convert)
raw code into binaries) → makefile (to build) → perl (Script) > Main Configuration file /usr/ local/nagios/etc/nagios.cfg All monitoring things (alled as 'Service' for eg -) 5 Servers -> 4 Checks each you have to monitor -> 5X4 = 20 Services



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Lec-44 Installation of Nagios on Linux
To start Nagios Core installation you must have | Step 2 Create account information
your EC2 instance up and run and have already Configured SSH access to the
                                               you need to wetup a nagios user Kun
                                              the following Commands:
 instance.
                                               → adduser -m nagios
Step-1 -> Install pre-requisite Softwares
                                              → passwd nagios
 on your Ecz machine prior to Nagios
                                              Now, it ask to enter new password
                                              give "12345" as password
 installation like apache, php, gcc Compiler
 and gd development libraries.
                                                 groupadd nagioscmol
                                              → usermod -a -G nagioscmd nagios
 → Sudo su
                                             → usermod -a -G nagioschod apache
 → yum install httpd php
   yum install gcc glibc glibc-common
                                             Step 3 + Download nagios Core and
                                             the plugins. Create a directory for storing
     yum install gd gd-devel
                                               the downloads
                                               → mkdir ~/downloads
                                                    Cd ~/downloads
```



Nagios Notes: t.me/vishalk17

https://tecadmin.net/install-nagios-monitoring-server-on-ubuntu/

https://tecadmin.net/monitor-remote-linux-host-using-nagios/

https://www.youtube.com/watch?v=4MueJSBRjv0&list=PLBGx66SQNZ8aPsFDwb79JrS2KQBTIZo10&index=43

https://www.youtube.com/watch?v=H9uRoLS_8ks&list=PLBGx66SQNZ8aPsFDwb79JrS2KQBT IZo10&index=44