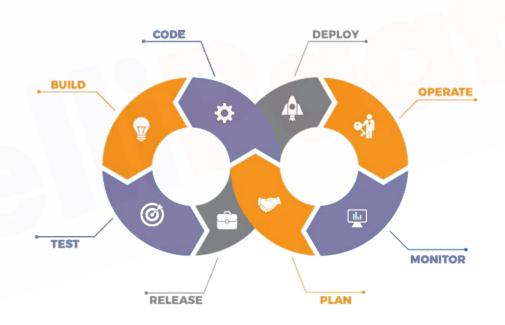


# Continuous Monitoring Using Nagios





## Agenda

- What is Continuous Monitoring?
- 02 Introduction to Nagios
- Nagios
  Architecture
- 04 Installing Nagios on AWS

- Nagios Components
- What are Plugins?
- Adding a Host in Nagios Using NRPE Plugin
- Monitoring Service on Host Using NRPE



# What is Continuous Monitoring?

### What is Continuous Monitoring?



Continuous monitoring is the process and technology used to detect compliance and risk issues associated with an organization's financial and operational environment. The financial and operational environment consists of people, processes and systems working together to support efficient and effective operations.



### Why Continuous Monitoring?



It detects any network or server problems.

It determines the root cause of any issues.

It maintains the security and availability of the service.

It monitors and troubleshoots server performance issues.

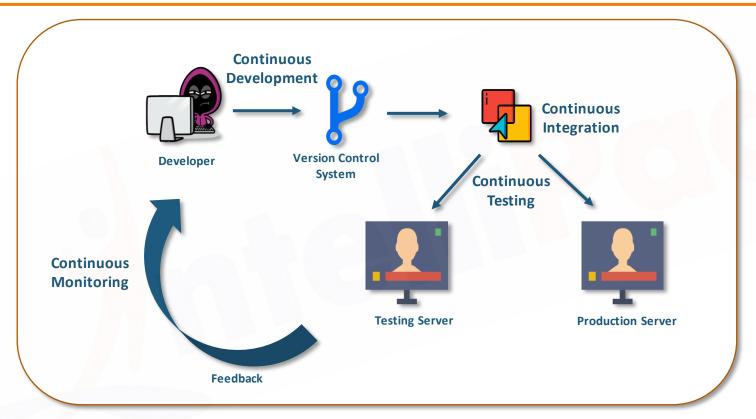
It can respond to issues at the first sign of a problem.

It monitors your entire infrastructure and business processes.



### What is Continuous Monitoring?





**Software Delivery Pipeline** 



## Continuous Monitoring Tools

### **Continuous Monitoring Tools**





Nagios®

# splunk>



## Introduction to Nagios

### **Introduction to Nagios**

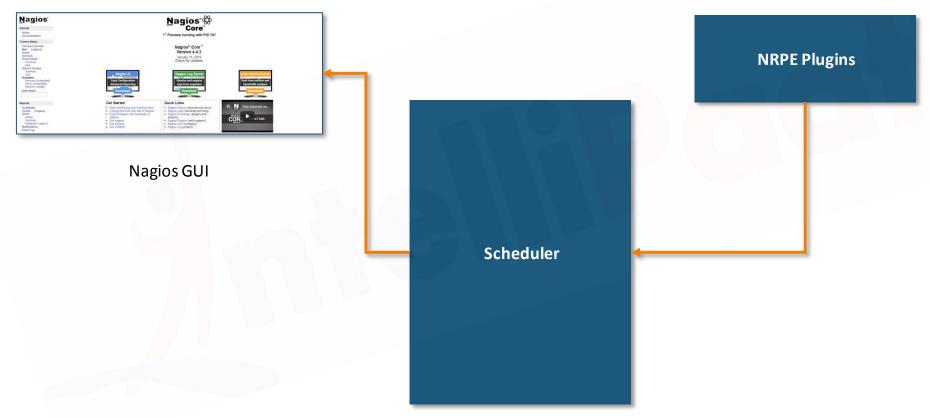


Nagios, now known as Nagios Core, is a free and open-source computer-software application that monitors systems, networks and infrastructure. Nagios offers monitoring and alerting services for servers, switches, applications and services.

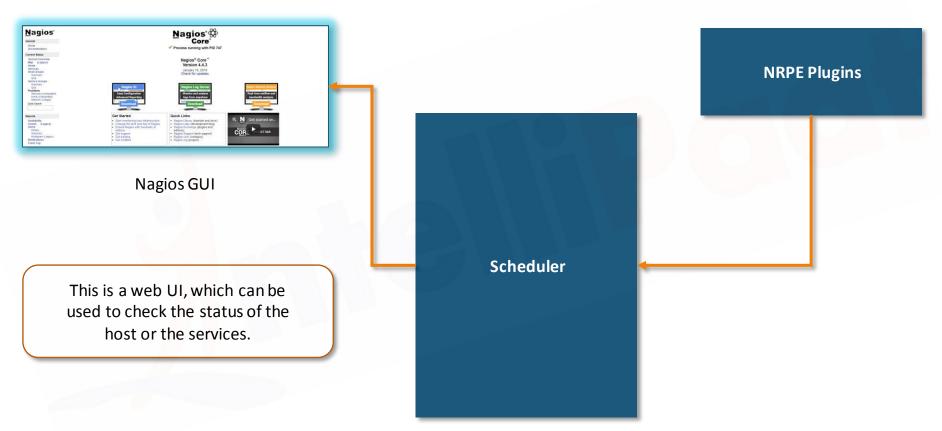
# Nagios®



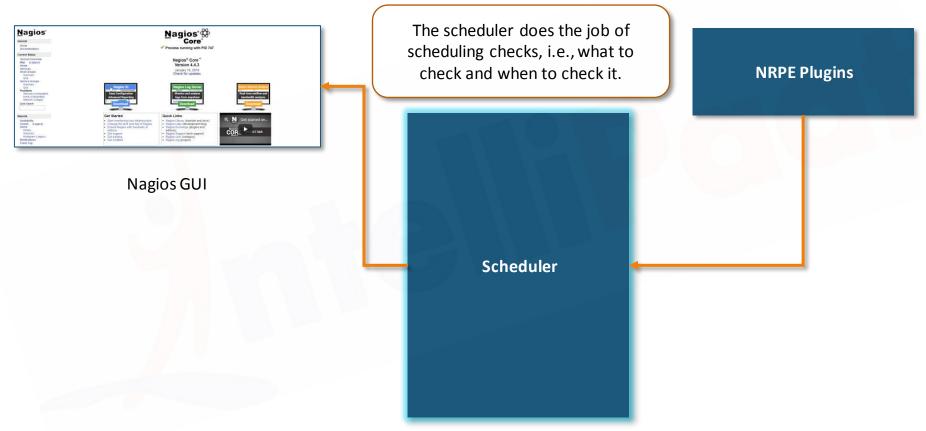




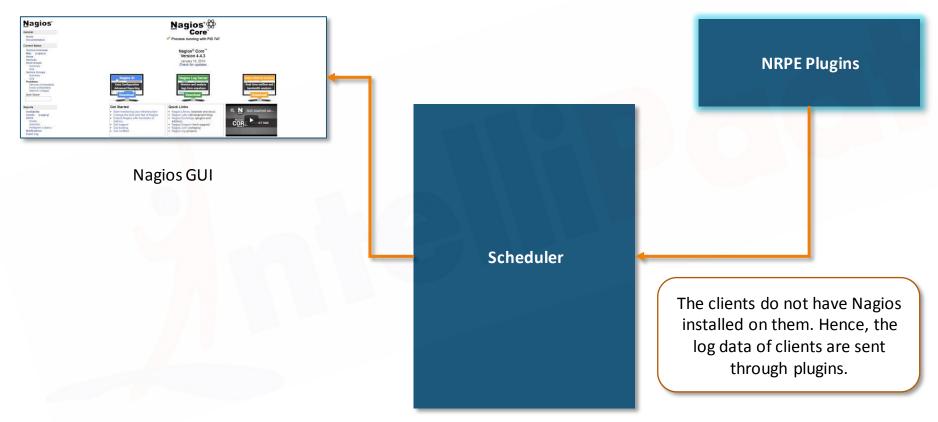










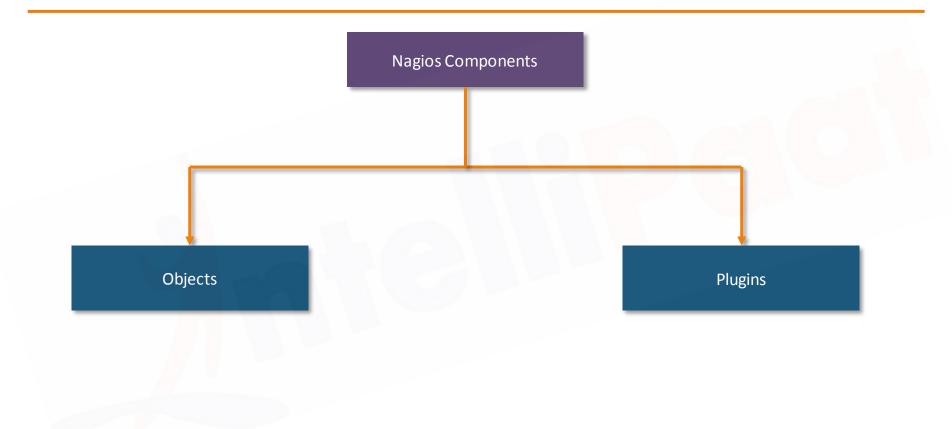




# Installing Nagios on AWS









Objects

Plugins

**Objects** are all the elements that are involved in the monitoring and notification logic. When Nagios starts, restarts or reloads, it reads all the ".cfg" files within the object directories.



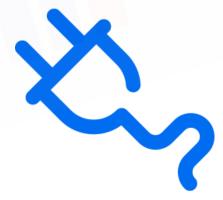


Objects

**Plugins** 

**Plugins** are the piece of software that one installs on the Nagios slave/host, using which the host can interact with the Nagios

Server and send the application logs.

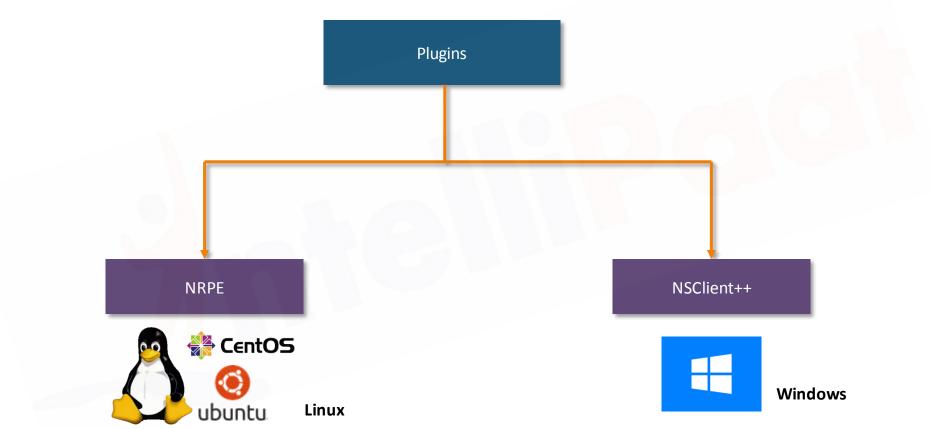




# Type of Plugins in Nagios

## **Types of Plugins in Nagios**







# Creating a Host in Nagios Using NRPE Plugin

### **Creating a Host in Nagios Using NRPE**



- 1. Launch an Ubuntu box on AWS
- 2. Follow the commands for Installing NRPE Plugin
- 3. Add the Host in Nagios Server in the objects folder
- 4. Change the Main Nagios Configuration file for reading this file
- 5. Finally, restart the Nagios Server



# Creating a Monitoring Service in Nagios for Remote NRPE Client







#### 1. Which configuration file will have all the sample syntax defined?

A. templates.cfg

B. servers.cfg

C. printer.cfg

D. switches.cfg



#### 1. Which configuration file will have all the sample syntax defined?

#### A. templates.cfg

B. servers.cfg

C. printer.cfg

D. switches.cfg



2. You defined a new host in Nagios. After defining when you went to the Nagios GUI, you did not find the Nagios host listed. What will be the first thing that you will check?

A. Whether Nagios Host is running or not

B. Whether Nagios Core was restarted

C. Nagios Host's definition



2. You defined a new host in Nagios. After defining when you went to the Nagios GUI, you did not find the Nagios host listed. What will be the first thing that you will check?

A. Whether Nagios Host is running or not

**B.** Whether Nagios Core was restarted

C. Nagios Host's definition



#### 3. Which Plugin is used to connect to Windows Hosts?

A. NSClient++

B. NRPE

C. Build Pipeline



### 3. Which Plugin is used to connect to Windows Hosts?

A. NSClient++	
B. NRPE	
C. Build Pipeline	
D. None of these	



### 4. Can we disable Notifications for host in Nagios?

A. Yes

B. No



4. Can we disable Notifications for host in Nagios?

A. Yes
B. No



#### 5. On which port does Nagios GUI work?

A. 8000

B. 80

C. 8001



#### 5. On which port does Nagios GUI work?

A. 8000

B. 80

C. 8001

D. None of these









**US: 1-800-216-8930 (TOLL FREE)** 



sales@intellipaat.com



24/7 Chat with Our Course Advisor