

**Nagios®**

## Continuous monitoring

Continuous monitoring is a process to detect, report, respond all the attacks which occur in its infrastructure. Once the application is deployed into the server, the role of continuous monitoring comes in to play. The entire process is all about taking care of the company's infrastructure and respond appropriately.



## Nagio

Nagio is a free to use open source software tool for continuous monitoring. It helps you to monitor system, network, and infrastructure. It is used for continuous monitoring of systems, applications, service and business process in a DevOps culture.

## Why We Need Nagios?

**Detects all types of network or server issues**

**Helps you to find the root cause of the problem which allows you to get the permanent solution to the problem**

**Active monitoring of your entire infrastructure and business processes**

**Allows you to monitor and troubleshoot server performance issues**

**Helps you to plan for infrastructure upgrades before outdated systems create failures**

**You can maintain the security and availability of the service**

**Automatically fix problems in a panic situation**



## Features of Nagios

Good log and database system

Informative and attractive web interfaces

Automatically send alerts if condition changes

If the services are running fine, then there is no need to do check that host is an alive

Helps you to detect network errors or server crashes

You can troubleshoot the performance issues of the server.

The issues, if any, can be fixed automatically as they are identified during the monitoring process

You can monitor the entire business process and IT infrastructure with a single pass

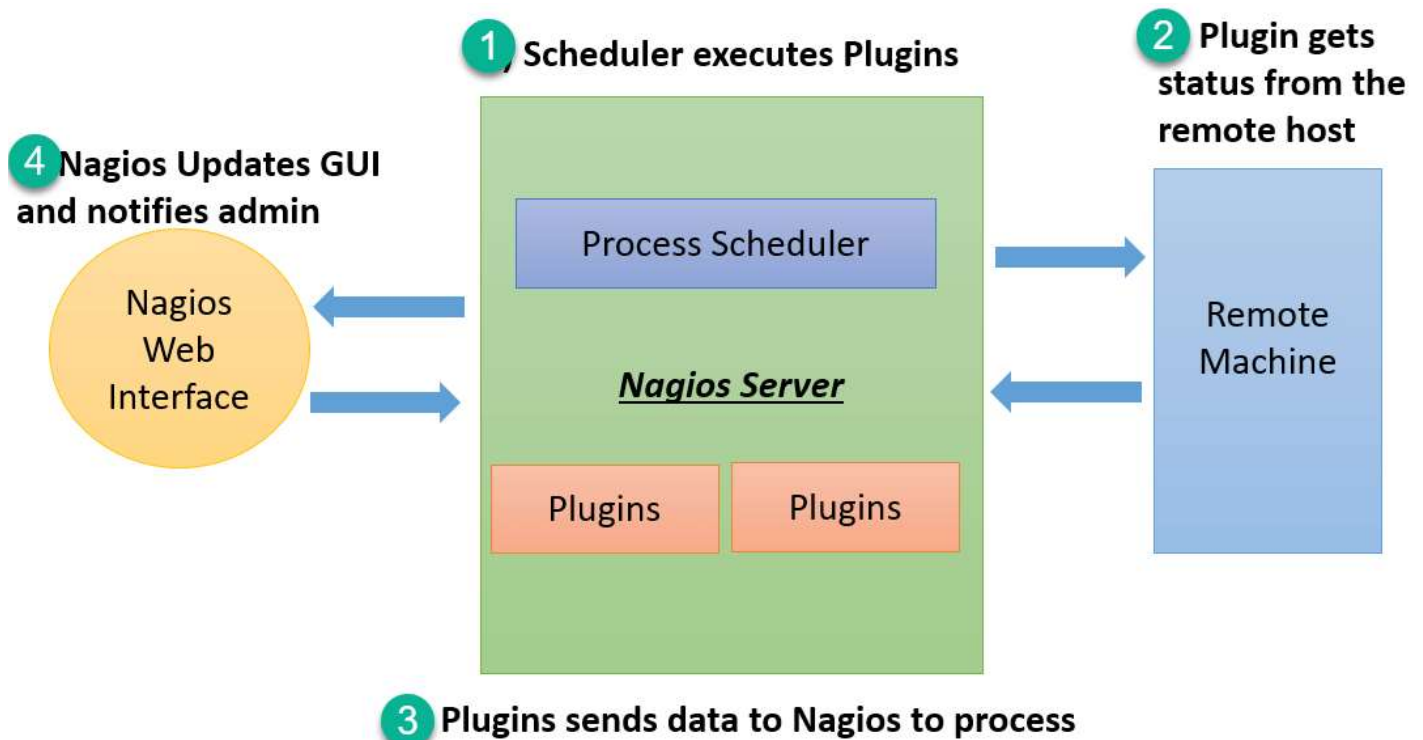
The product's architecture is easy writing new plugins in the language of your choice

Nagios allows you to read its configuration from an entire directory which helps you to decide how to define individual files

Utilizes topology to determine dependencies

Monitor network services like HTTP, SMTP, HTTP, SNMP, FTP, SSH, POP, etc.

# Nagios Architecture





**The scheduler is a component of server part of Nagios. It sends a signal to execute the plugins at the remote host.**

**The plugin gets the status from the remote host**

**The plugin sends the data to the process scheduler**

**The process scheduler updates the GUI and notifications are sent to admins**

