

# **Nagios®**

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# Introduction

- **Overview**

- Open source software for monitoring application infrastructure
- Simple, extensible framework
- Launched in 1999

- **Components**

- Hosts to monitor
- Services / Applications to monitor on hosts ( *Service checks* )
- Commands to be executed to collect metrics
- Nagios server
- Easy configuration of hosts and applications

# Key Features

- **Monitoring**

- Capabilities to monitor applications, services, system metrics and infrastructure components

- **Visibility & Awareness**

- Exposes an easy-to-use UI to monitor all the system metrics
- Setting up alerts and notifications in the form of emails

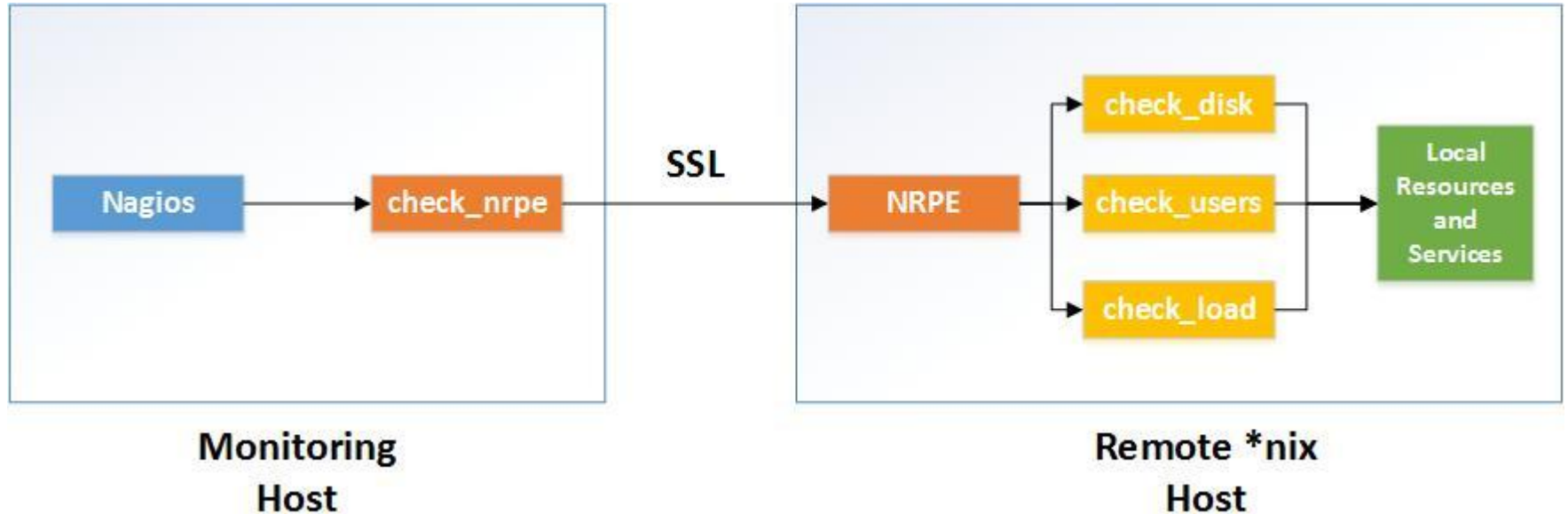
- **Issue Remediation**

- Event handlers allow automatic restart of failed applications and services

- **Extensible Architecture**

- Plugins - Custom-developed monitoring scripts
- Addons - Used for extending Nagios core functionalities

# Monitoring Linux/Unix Machines

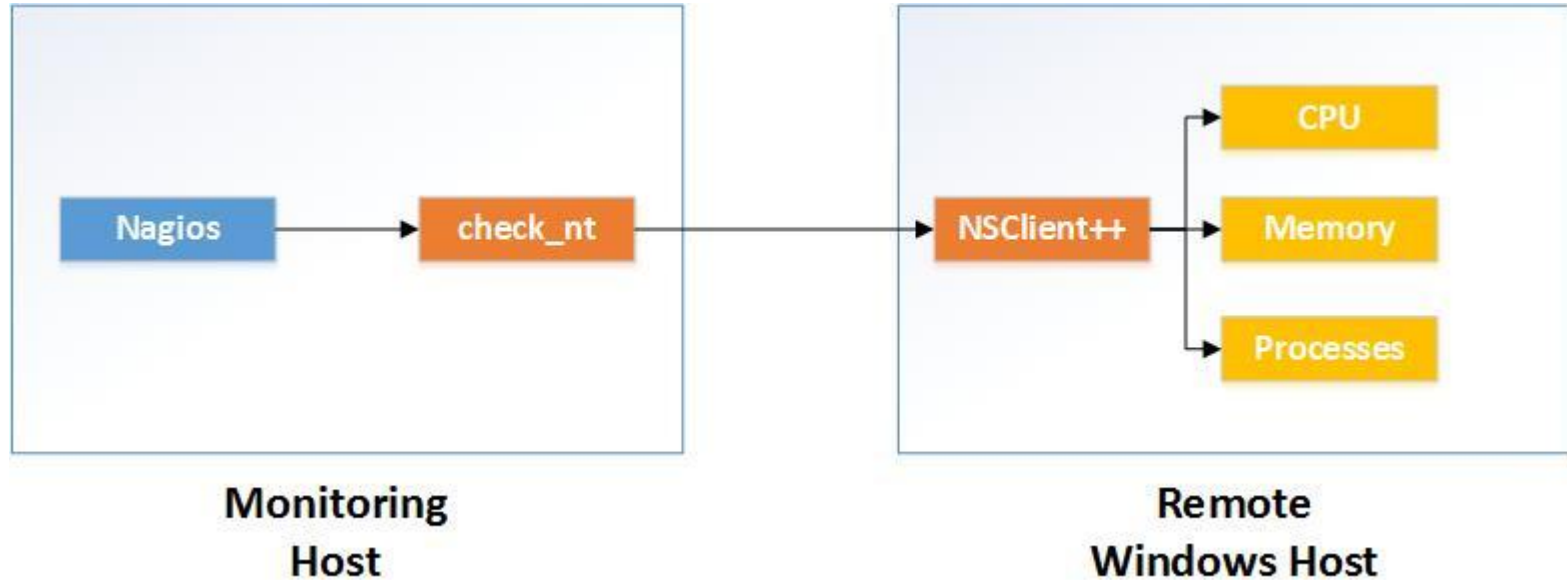


# Configuration

- Specify the host to be monitored
- List of services to monitor on the host

Sample Configuration Files <https://github.com/amittal91/DevOps-TechTalk-Nagios/tree/master/Config-Server>

# Monitoring Windows Machines



# Screencast

<https://www.youtube.com/watch?v=IWJqTrKmcm0&feature=youtu.be>

# Advantages

- **Comprehensive Monitoring in a Single Tool:** Monitoring of all mission-critical infrastructure components – including applications, services, operating systems, network protocols, systems metrics, and network infrastructure.
- **Consolidated, Central Visibility:** Provides central view of your entire IT operations network and business processes. Central, aggregated view of multiple monitoring server instances improves visibility and shortens problem reaction times for IT operations staff.
- **Scalability:** Monitor thousands of devices with a single monitoring server. Distributed monitoring architectures allow for monitoring 100,000+ node environments.



# Disadvantages

- **User Interface:**The user interface is sloppy. Probably because it's very old.
- **Documentation:**Documentation not updated. The documentation given on the website refers to Ubuntu 6.x and 7.x

Thank You.