

# Overview of Nagios

# Lesson Objectives

## ➤ Overview of Nagios



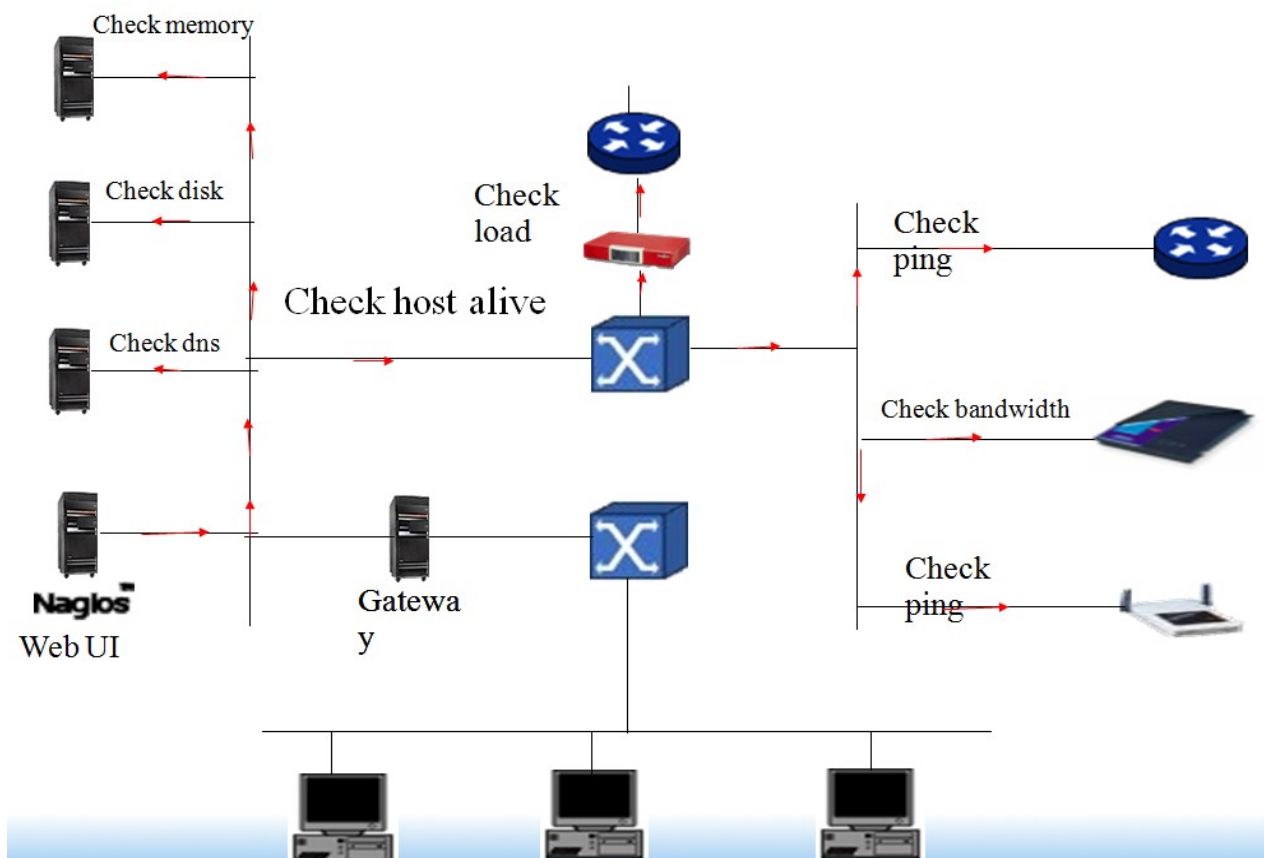
## What is Nagios

- Open source, solution for monitoring and alerting services for servers, switches, applications and services
- Relatively scalable, Manageable, Secure and more
- Best documentation available
- Good log and database system
- Nice, informative and attractive web interface
- Very flexible
- Alerts automatically sent if condition changes
- Various notification options (Email, pager, mobile phone)

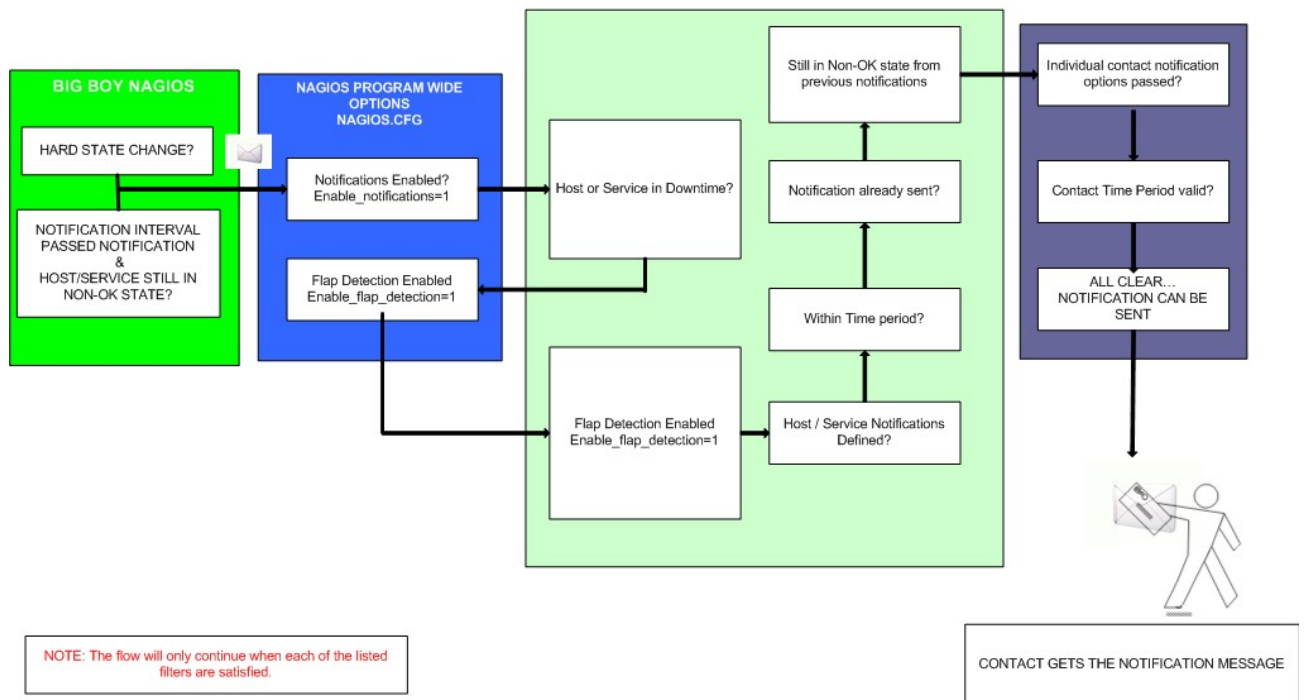
## Nagios helps in Monitoring of

- Load, Memory and swap usage on individual nodes
- NFS and network load
- Usage status of partitions
- Applications and services
- Latency of the network
- Aggregated node status
- Service monitoring
- Alerts from SNMP traps
- Monitoring redundancy
- Detection of primary failure to avoid multiple like alerts.
- Notifications via email, pager, etc.
- Notifications to individuals or defined groups
- Log information, Use databases to store history
- Can scale to large installations, allows for redundant monitoring
- Aggregation of like-data across multiple nodes
- Ability to escalate alerts

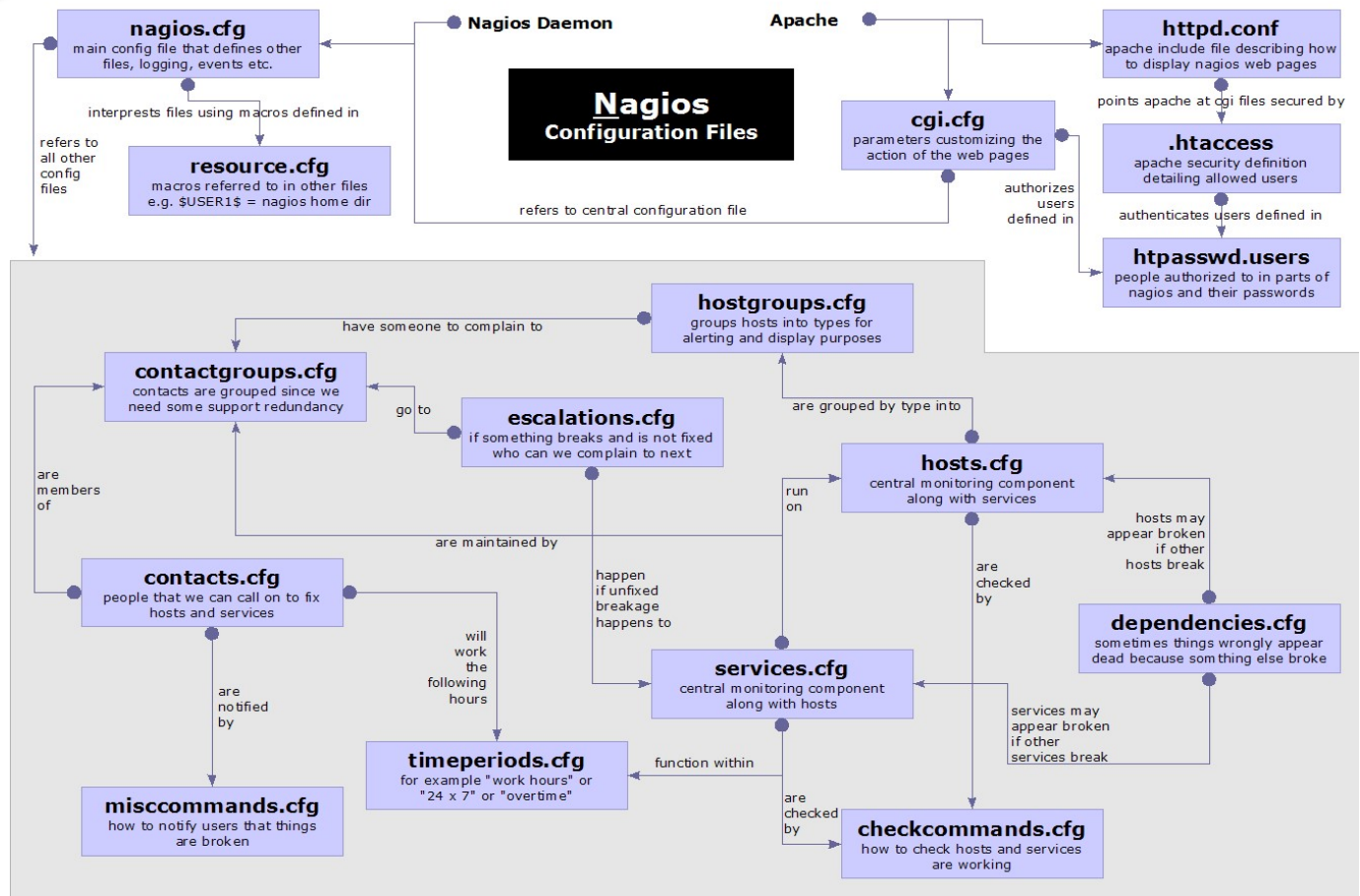
## Nagios setup



# Nagios : Notifications



# Nagios Configuration



# Nagios Dashboard

# Nagios®

**General**

- Home
- Documentation

**Monitoring**

- Tactical Overview
- Service Detail
- Host Detail
- Status Overview
- Status Summary
- Status Grid
- Status Map
- 3-D Status Map
- Service Problems
- Host Problems**
- Network Outages
- Comments
- Downtime
- Process Info
- Performance Info
- Scheduling Queue

**Reporting**

- Trends
- Availability
- Alert Histogram
- Alert History
- Alert Summary
- Notifications

**Current Network Status**

Last Updated: Sun Feb 1 12:17:48 NPT 2004  
Updated every 90 seconds  
Nagios® - [www.nagios.org](http://www.nagios.org)  
Logged in as *dhruba*

[View Service Status Detail For All Host Groups](#)  
[View Status Overview For All Host Groups](#)  
[View Status Summary For All Host Groups](#)  
[View Status Grid For All Host Groups](#)

**Host Status Totals**

| Up  | Down | Unreachable | Pending |
|-----|------|-------------|---------|
| 155 | 15   | 0           | 0       |

| All Problems | All Types |
|--------------|-----------|
| 15           | 170       |

**Service Status Totals**

| Ok  | Warning | Unknown | Critical | Pending |
|-----|---------|---------|----------|---------|
| 226 | 5       | 0       | 16       | 0       |

| All Problems | All Types |
|--------------|-----------|
| 21           | 247       |

**Display Filters:**

Host Status Types: All problems  
Host Properties: Any  
Service Status Types: All  
Service Properties: Any

**Host Status Details For All Host Groups**

| Host ↑↓                        | Status ↑↓ | Last Check ↑↓       | Duration ↑↓    | Status Information                 |
|--------------------------------|-----------|---------------------|----------------|------------------------------------|
| <a href="#">CHILDREN-FIRST</a> | DOWN      | 02-01-2004 12:13:59 | 1d 19h 10m 33s | PING CRITICAL - Packet loss = 100% |
| <a href="#">DANIDA</a>         | DOWN      | 02-01-2004 12:15:55 | 1d 0h 43m 12s  | PING CRITICAL - Packet loss = 100% |
| <a href="#">DASS</a>           | DOWN      | 02-01-2004 12:08:59 | 4d 0h 40m 42s  | PING CRITICAL - Packet loss = 100% |
| <a href="#">FNCCI</a>          | DOWN      | 02-01-2004 12:12:38 | 4d 0h 40m 2s   | PING CRITICAL - Packet loss = 100% |
| <a href="#">ITLINK</a>         | DOWN      | 02-01-2004 12:15:55 | 0d 1h 37m 12s  | PING CRITICAL - Packet loss = 100% |
| <a href="#">Luz-net</a>        | DOWN      | 02-01-2004 12:12:38 | 4d 0h 38m 53s  | PING CRITICAL - Packet loss = 100% |



# Nagios Services Dashboard

## Current Network Status

Last Updated: Sun Feb 1 09:57:47 NPT 2004  
 Updated every 90 seconds  
 Nagios® - [www.nagios.org](http://www.nagios.org)  
 Logged in as *dhruba*

[View History For all hosts](#)  
[View Notifications For All Hosts](#)  
[View Host Status Detail For All Hosts](#)

## Host Status Totals

| Up           | Down | Unreachable | Pending |
|--------------|------|-------------|---------|
| 155          | 15   | 0           | 0       |
| All Problems |      | All Types   |         |
| 15           |      | 170         |         |

## Service Status Totals

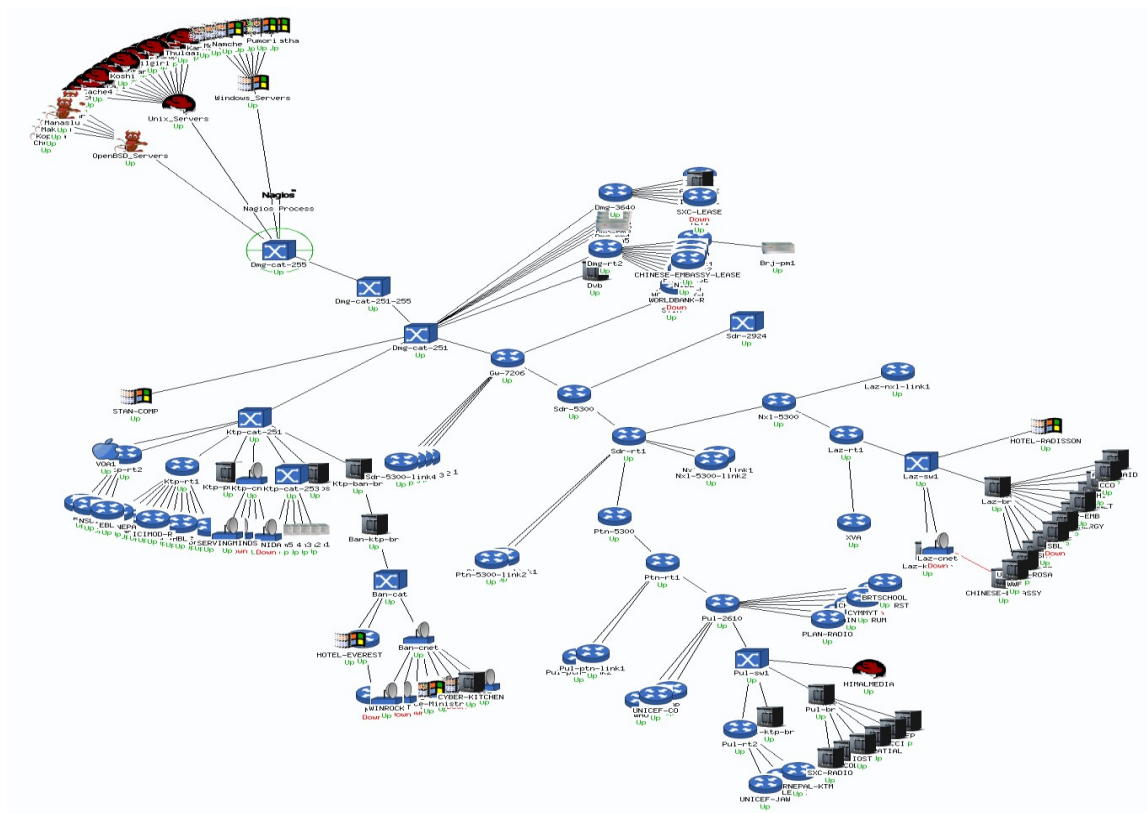
| Ok           | Warning | Unknown   | Critical | Pending |
|--------------|---------|-----------|----------|---------|
| 228          | 3       | 0         | 16       | 0       |
| All Problems |         | All Types |          |         |
| 19           |         | 247       |          |         |

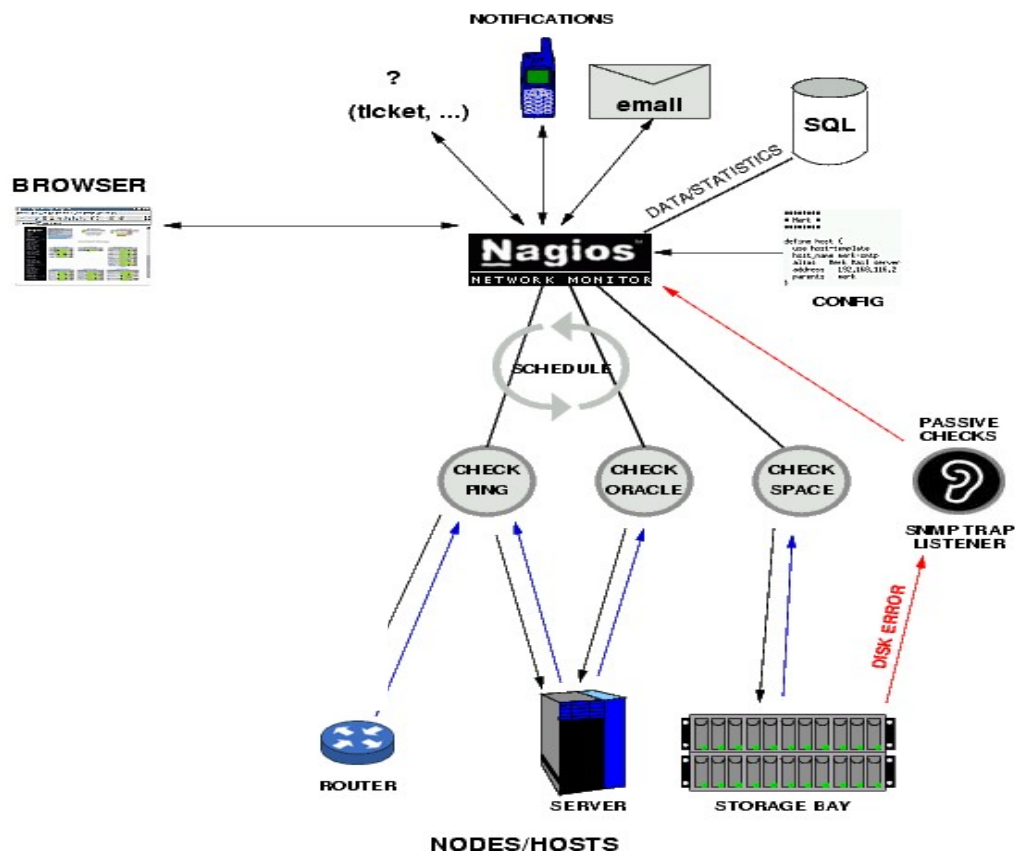


## Service Status Details For All Hosts

| Host ↑↓                   | Service ↑↓           | Status ↑↓ | Last Check ↑↓       | Duration ↑↓    | Attempt ↑↓ | Status Information                   |
|---------------------------|----------------------|-----------|---------------------|----------------|------------|--------------------------------------|
| <a href="#">ACTIONAID</a> | <a href="#">Ping</a> | OK        | 02-01-2004 09:53:07 | 0d 12h 20m 9s  | 1/3        | PING OK - Packet loss = 0%, RTA = ms |
| <a href="#">AFP</a>       | <a href="#">Ping</a> | OK        | 02-01-2004 09:55:38 | 0d 13h 40m 29s | 1/3        | PING OK - Packet loss = 0%, RTA = ms |
| <a href="#">AGNIPAGE</a>  | <a href="#">Ping</a> | OK        | 02-01-2004 09:55:27 | 0d 0h 0m 59s   | 1/3        | PING OK - Packet loss = 0%, RTA = ms |
| <a href="#">BRTSCHOOL</a> | <a href="#">Ping</a> | OK        | 02-01-2004 09:54:06 | 1d 18h 7m 39s  | 1/3        | PING OK - Packet loss = 0%, RTA = ms |
| <a href="#">Ban-cat</a>   | <a href="#">Ping</a> | OK        | 02-01-2004 09:56:11 | 0d 22h 44m 39s | 1/3        | PING OK - Packet loss = 0%, RTA = ms |

# Nagios Network Status Map





# Nagios Resources

**Nagios Home**

<http://www.nagios.org/>

**Nagios Commercial Support**

<http://www.nagios.com/>

# Lesson Summary

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