Overview of Nagios

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# 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)

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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
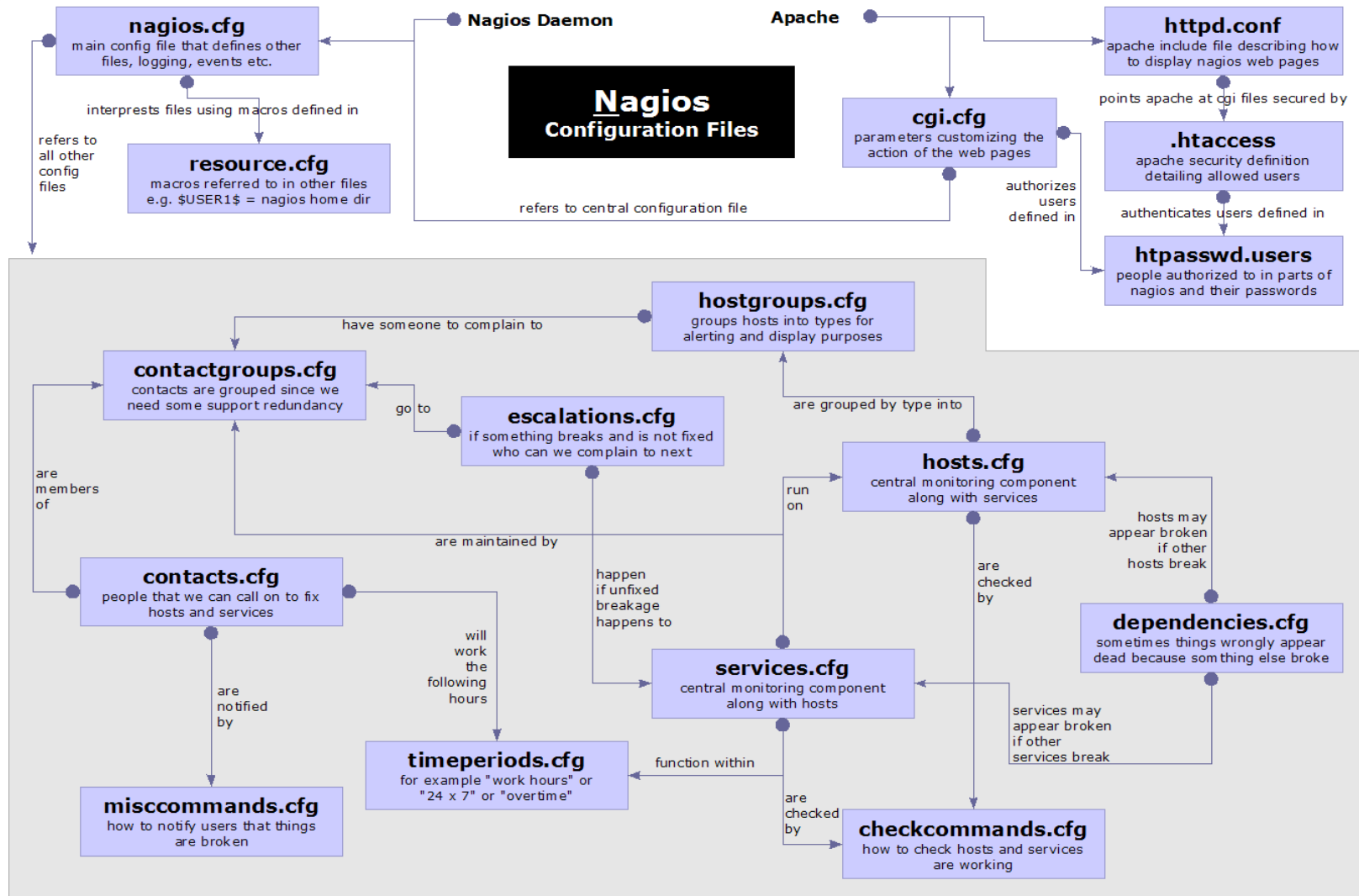
➢ Ability to escalate alerts

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Nagios setup
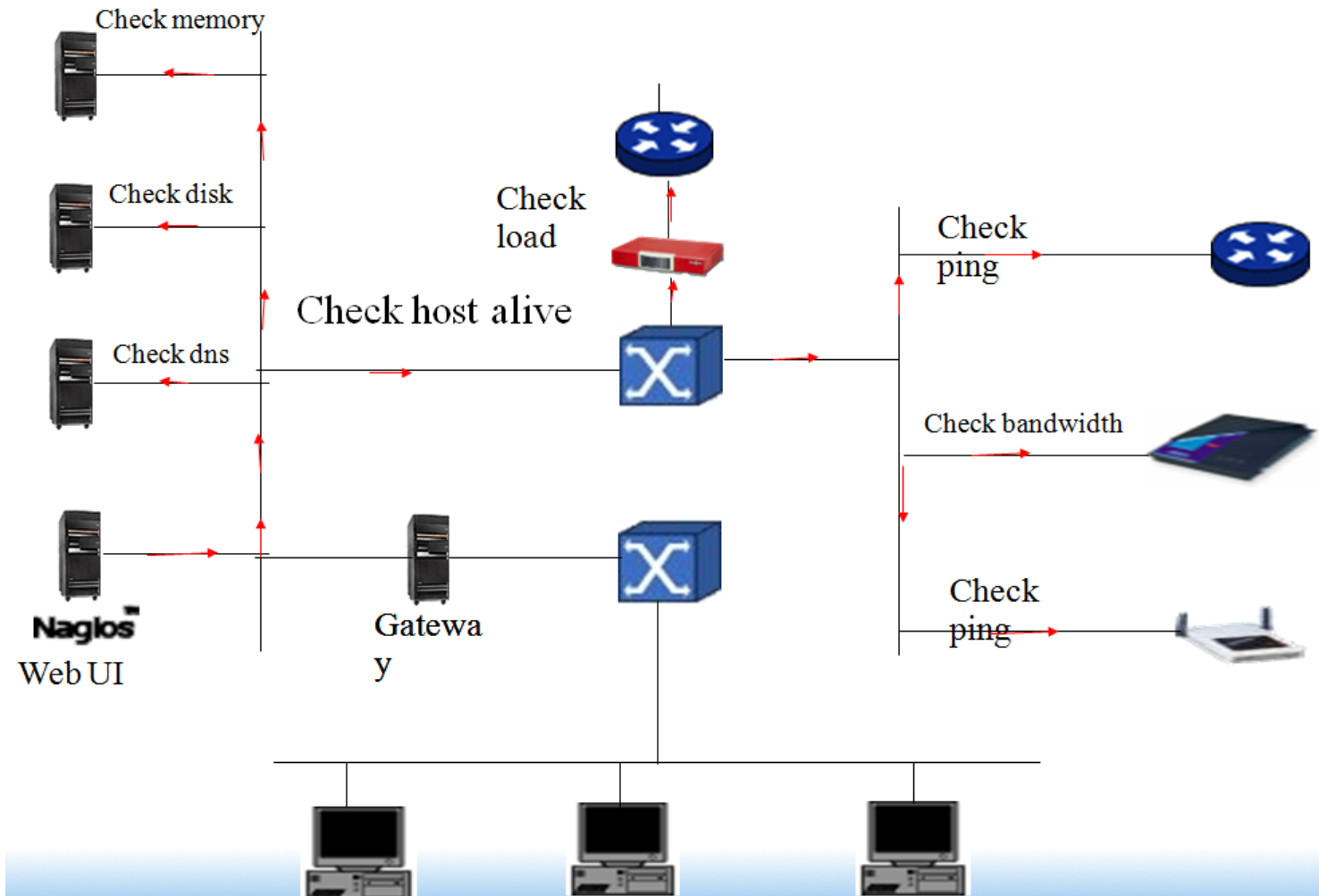
Nagios : Notifications
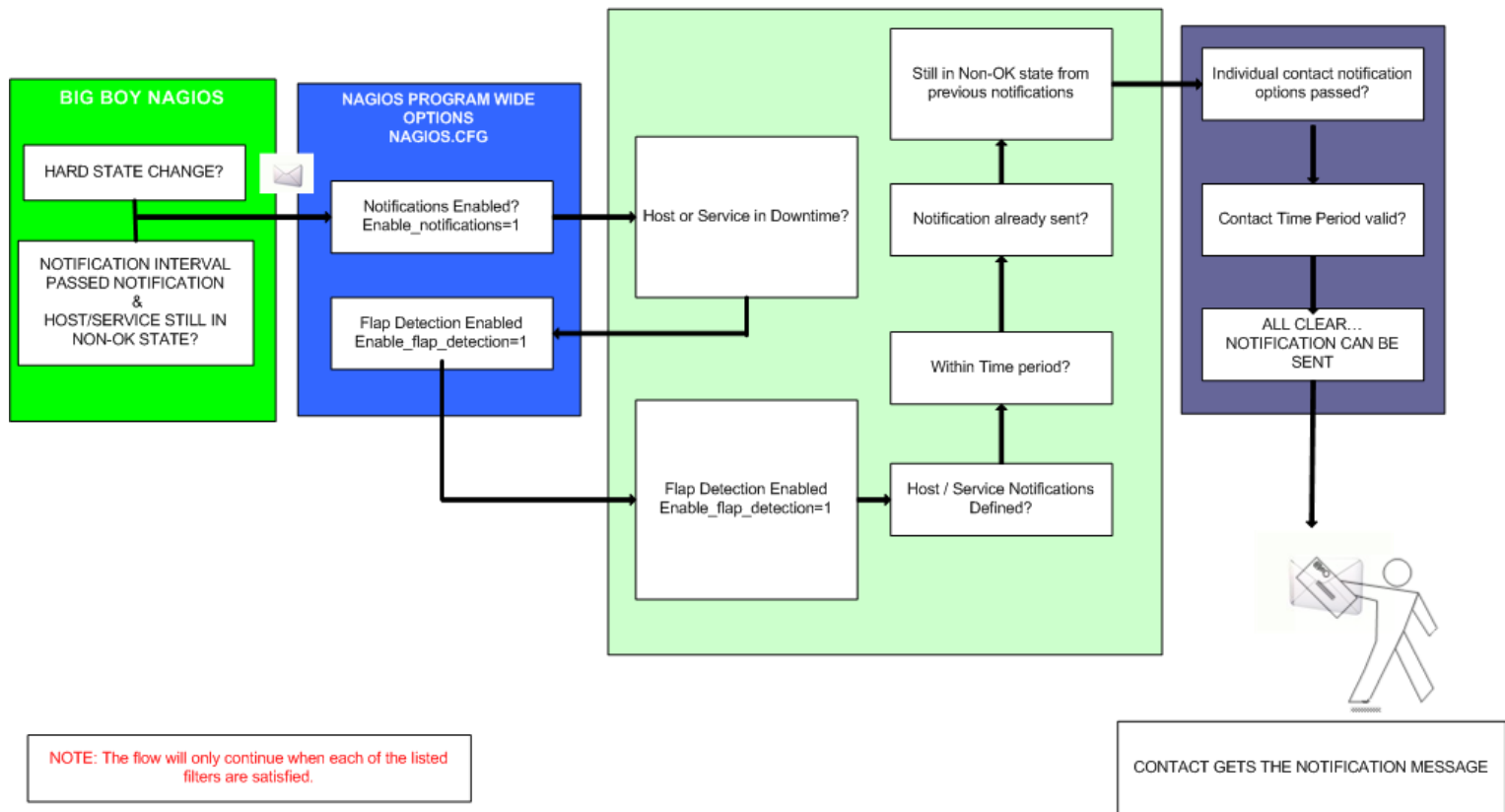
Nagios Configuration

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
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
CHILDREN-FIRST		DOWN	02-01-2004 12:13:59	1d 19h 10m 33s	PING CRITICAL - Packet loss = 100%
DANIDA		DOWN	02-01-2004 12:15:55	1d 0h 43m 12s	PING CRITICAL - Packet loss = 100%
DASS		DOWN	02-01-2004 12:08:59	4d 0h 40m 42s	PING CRITICAL - Packet loss = 100%
FNCCI		DOWN	02-01-2004 12:12:38	4d 0h 40m 2s	PING CRITICAL - Packet loss = 100%
ITLINK		DOWN	02-01-2004 12:15:55	0d 1h 37m 12s	PING CRITICAL - Packet loss = 100%
Laz-cnet		DOWN	02-01-2004 12:12:38	4d 0h 38m 53s	PING CRITICAL - Packet loss =

Nagios Services Dashboard

Current Network Status
Last Updated: Sun Feb 1 09:57:47 NPT 2004
Updated every 90 seconds
Nagios® - 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
ACTIONAID		Ping		OK	02-01-2004 09:53:07	0d 12h 20m 9s	1/3	PING OK - Packet loss = 0%, RTA = ms
AFP		Ping		OK	02-01-2004 09:55:38	0d 13h 40m 29s	1/3	PING OK - Packet loss = 0%, RTA = ms
AGNIPAGE		Ping		OK	02-01-2004 09:55:27	0d 0h 0m 59s	1/3	PING OK - Packet loss = 0%, RTA = ms
BRTSCHOOL		Ping		OK	02-01-2004 09:54:06	1d 18h 7m 39s	1/3	PING OK - Packet loss = 0%, RTA = ms
Ban-cat		Ping		OK	02-01-2004 09:56:11	0d 22h 44m 39s	1/3	PING OK - Packet loss = 0%, RTA =

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Nagios Network Status Map
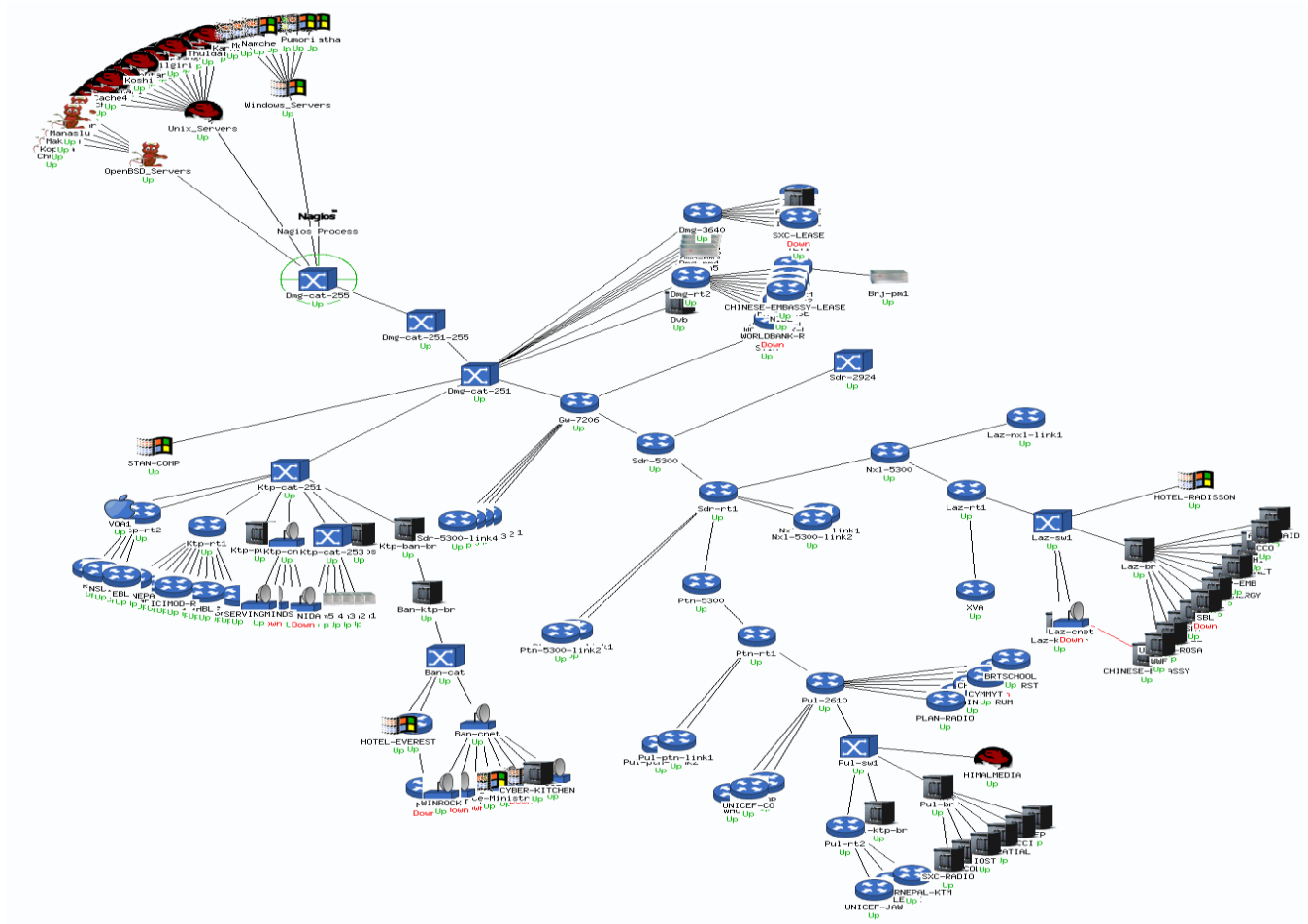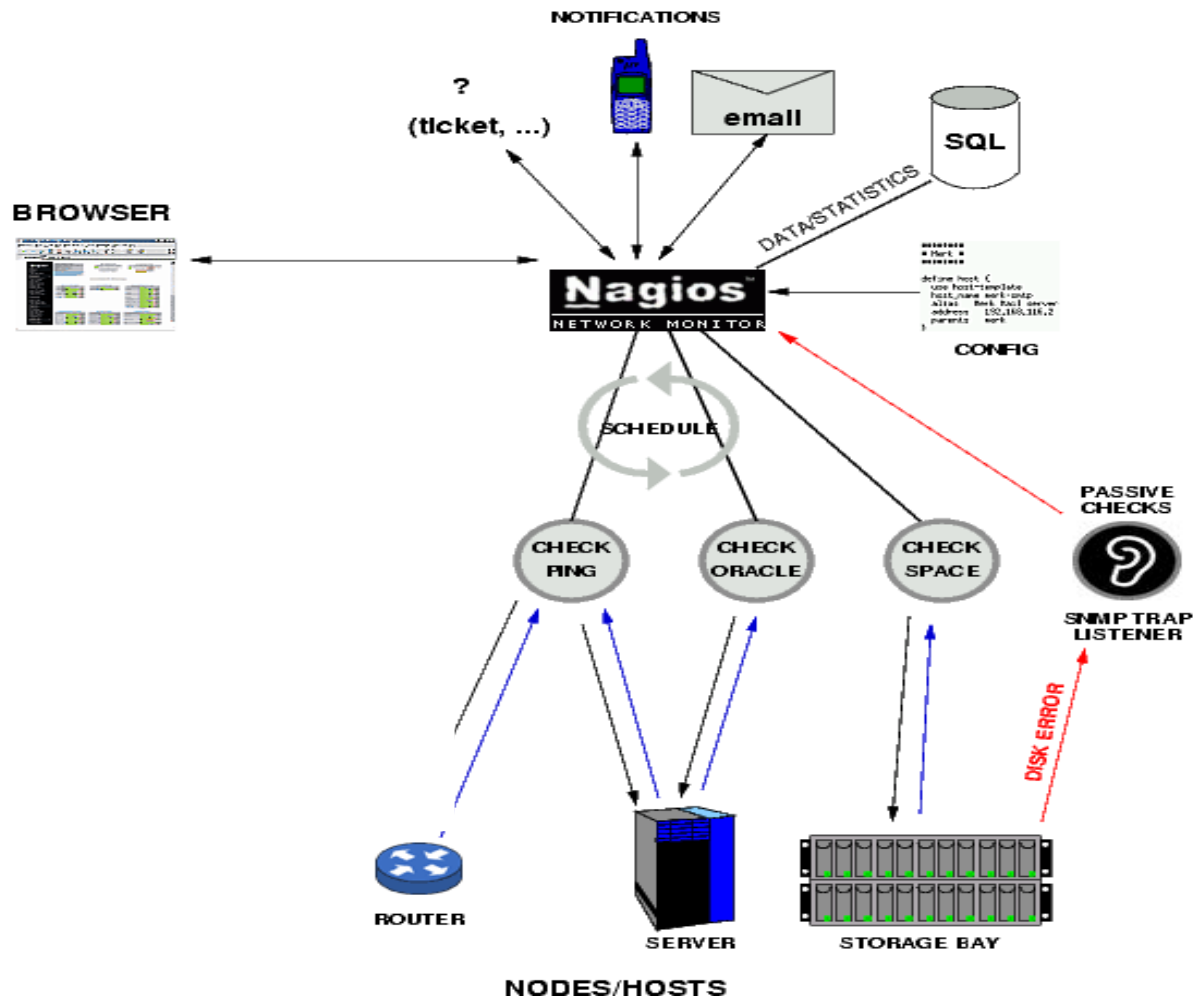
Nagios Resources

Nagios Home

http://www.nagios.org/

Nagios Commercial Support

http://www.nagios.com/

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Lesson Summary

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