

Nagios Monitoring Mission Report

1. Tools & Servers Used

- Monitoring Tool: Nagios Core + Nagios Plugins + NRPE
- Server 1 (Nagios Core): IP = <your_monitor_server_ip>
- Server 2 (Monitored Host): IP = <your_monitored_server_ip>

2. Installation Steps Summary

On Server 1 (Monitoring Server):

- Installed: Apache2, PHP, Nagios Core 4.5.1, Nagios Plugins 2.4.0
- Configured Nagios admin and server2.cfg in /usr/local/nagios/etc/servers/

On Server 2 (Monitored Host):

- Installed: nagios-nrpe-server, nagios-plugins
- Edited /etc/nagios/nrpe.cfg to include:

```
allowed_hosts=127.0.0.1,<IP_OF_SERVER_1>
```

```
command[check_cpu]=/usr/lib/nagios/plugins/check_load -w 5,4,3 -c 10,6,4
```

```
command[check_mem]=/usr/lib/nagios/plugins/check_mem -w 80 -c 90
```

```
command[check_disk]=/usr/lib/nagios/plugins/check_disk -w 20% -c 10% -p /
```

3. Nagios Configuration (server2.cfg)

```
define host {  
    use                linux-server  
  
    host_name          server2  
  
    alias              Monitored Server  
  
    address            <IP_OF_SERVER_2>  
  
}
```

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```
define service {
    use          generic-service
    host_name     server2
    service_description  CPU Load
    check_command check_nrpe!check_cpu
}
```

```
define service {
    use          generic-service
    host_name     server2
    service_description  Memory Usage
    check_command check_nrpe!check_mem
}
```

```
define service {
    use          generic-service
    host_name     server2
    service_description  Disk Usage
    check_command check_nrpe!check_disk
}
```

4. Monitoring Results

Screenshot of Nagios dashboard showing CPU Load, Memory Usage, Disk Usage (Add screenshots here).

5. Challenges & Troubleshooting

Issue	Solution
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htpasswd file error	Created directory manually
dcgettext package missing	Used gettext instead
check_mem plugin missing	Used a custom script or full plugin pack
Missing config dir	Created /usr/local/nagios/etc/servers manually

6. Conclusion

Successfully set up Nagios to monitor CPU, memory, and disk usage on a remote server.
Learned how to configure agents, define checks, and solve installation challenges.