**Configuring Nagios**

* Nagios stores its configuration in a separate directory. Usually in /etc/nagios or /usr/local/nagios/etc
* The main configuration file is called **nagios.cfg**.
* The syntax in the main nagios configuration file

<parameter>=<value>

* Configuration options: [Refer Here](https://assets.nagios.com/downloads/nagioscore/docs/nagioscore/4/en/configmain.html) for the official docs
* The Nagios option resource\_file defines a file to store the user variables. This file can be used to store additional information that can be accessed in all object definitions. These usually contain sensitive data as they can only be used in object definitions

**Understanding macro definitions**

| **Macro** | **Description** |
| --- | --- |
| HOSTNAME | Short, unique name of the host; maps to host\_name directive in the host object |
| HOSTADDRESS | The IP or hostname of the hosts; maps to address directive in host object |
| HOSTDISPLAYNAME | Description of host; Maps to the alias directive in host object |
| HOSTSTATE | The current state of host |
| HOSTGROUPNAMES | Short names of all host groups a host belongs to (Comma separated) |
| LASTHOSTCHECK | The date and time of last check of the host (in UNIX timestamp) |
| LASTHOSTSTATE | The last known state of host |
| SERVICEDESC | Description of service |
| SERVICESTATE | The current state of Service |
| CONTACTNAME | unique name of contact |
| CONTACTALIAS | Description of Contact |
| CONTACTEMAIL | The email address of contact |
| CONTACTGROUPNAME | Short names of all contact groups (comma separated) |

**Configuring hosts**

define host {

host\_name node1

alias Node 1 AWS

address 172.31.29.140

check\_command check-host-alive

max\_check\_attempts 5

check\_interval 5

retry\_interval 1

check\_period 24x7

notification\_period 24x7

notification\_interval 120

notification\_options d,u,r

contact\_groups admins }

* Things to know for Nagios configuration
  + Object Definitions
    - Host
    - Host Group
    - Services
    - Commands
    - Contact
    - Templates