

## Assignment No 9

**Aim:** To understand demo of Nagios and open-source tools.

**LO1:** To understand the fundamentals of Cloud Computing and be fully proficient with Cloud based DevOps solution deployment options to meet your business requirements.

**LO5:** To use Continuous Monitoring Tools to resolve any system errors (low memory, unreachable server etc.) before they have any negative impact on the business productivity.

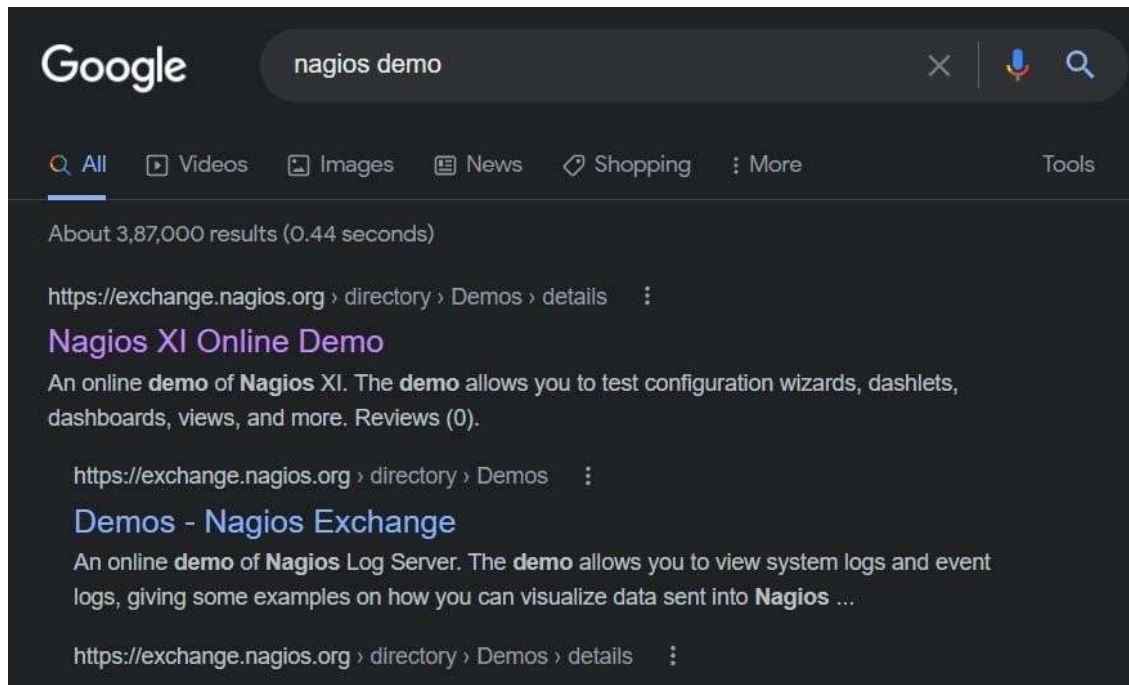
### Theory:

#### What is Nagios and how it works?

Nagios is an open source monitoring system for computer systems. ... Nagios software runs periodic checks on critical parameters of application, network and server resources. For example, Nagios can monitor memory usage, disk usage, microprocessor load, the number of currently running processes and log files.

### Steps-

Go to [google.com](https://www.google.com), Search Nagios Demo



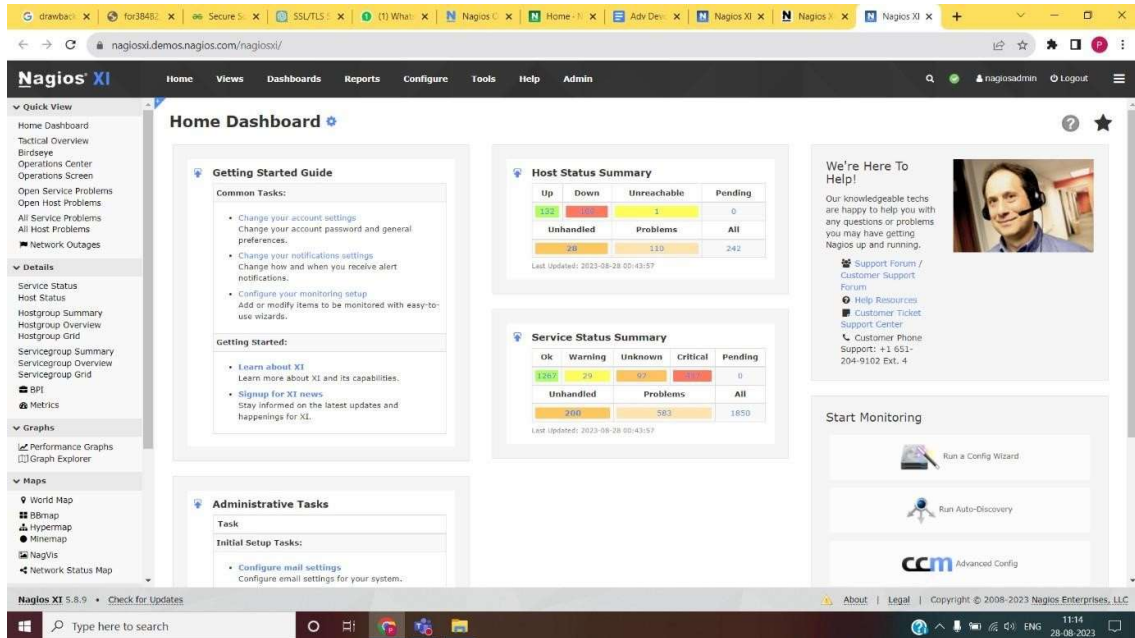
Now click on the website-

The screenshot shows the Nagios website's directory page. At the top, there's a navigation bar with links: Network, Enterprise, Support, Library, Project, and Exchange. Below this is a secondary navigation bar with Home, Directory, and About. The main content area features a 'Directory Tree' section with a link to 'Nagios XI Online Demo'. This link is highlighted with a yellow background. Below the link, there are buttons for 'Submit review', 'Recommend', 'Print', 'Visit', and 'Claim'. A rating section shows 0 stars and 0 votes. The owner is listed as 'egalstad' and the website is 'nagiosxi.demos.nagios.com'. The number of hits is 141800. On the right side, there are two search boxes: 'Search Exchange' and 'Search All Sites'. At the bottom right, there's a section for 'Nagios Live Webinars' with a brief description.

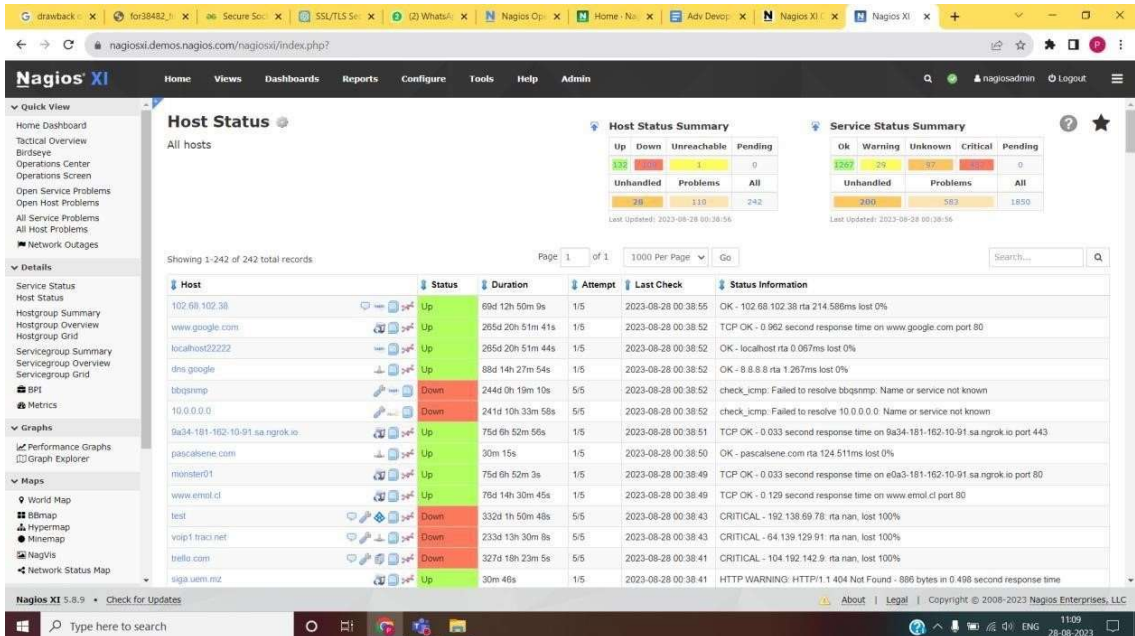
Now click on login as administrator

The screenshot shows the Nagios XI Demo System login page. The page has a dark header with the Nagios XI logo and 'Demo System' text. Below the header, there's a 'Login' section with a form containing 'Username' and 'Password' fields, a 'Login' button, and a link for 'Forgot your password?'. To the right of the login form, there's a 'Demo Account Options' section with a list of accounts and their credentials. The accounts are: Administrator Access (Username: nagiosadmin, Password: nagiosadmin), Read-Only User Access (Username: readonly, Password: readonly), Advanced User Access (Username: advanced, Password: advanced), Normal User Access (Username: jdoe, Password: jdoe), and Administrator Access (Username: darktheme, Password: darktheme). At the bottom of the page, there's a 'Demo Notes' section.

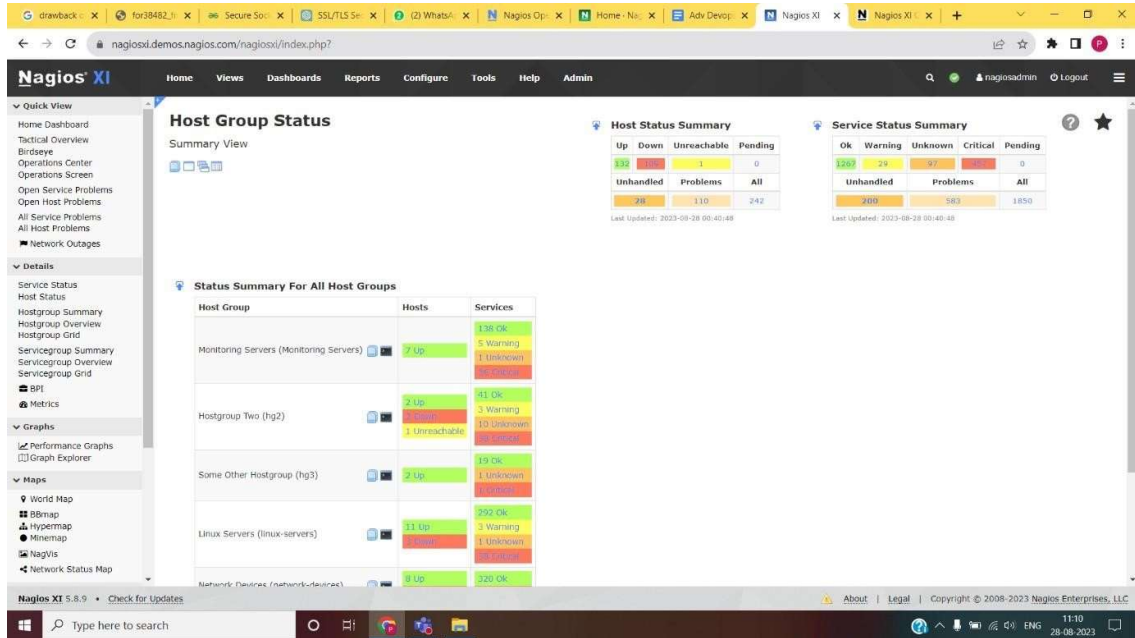
It will have interface like this



Now click on Host status-



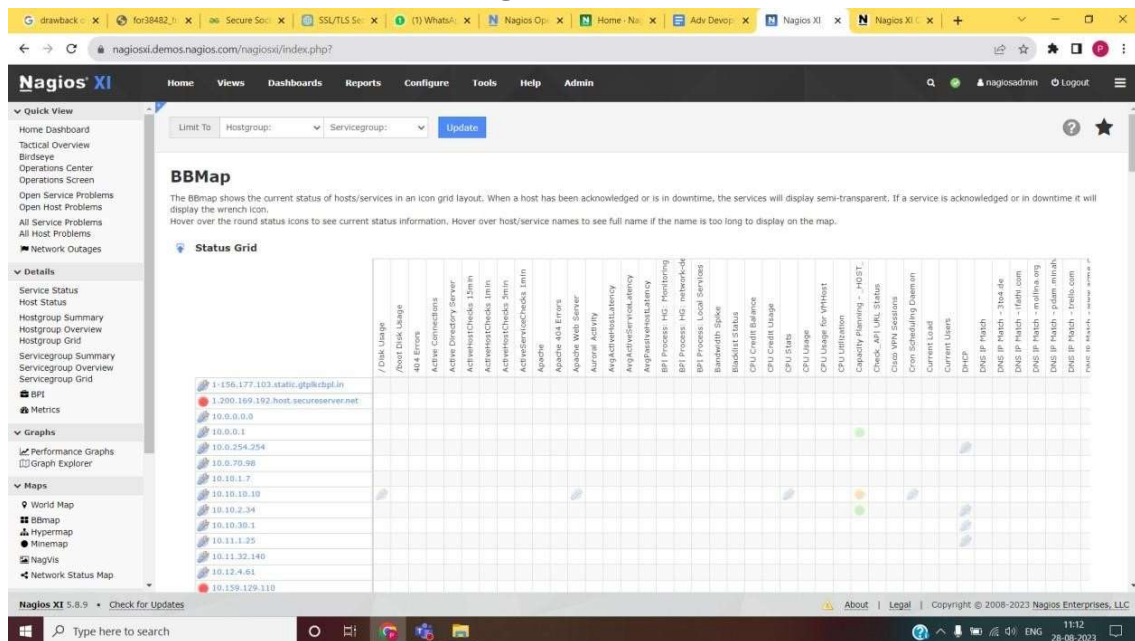
In the above image one can see Host Status Summary and Service Status Summary also how many host are up, down and also errors in detail Now click on Host group Status.



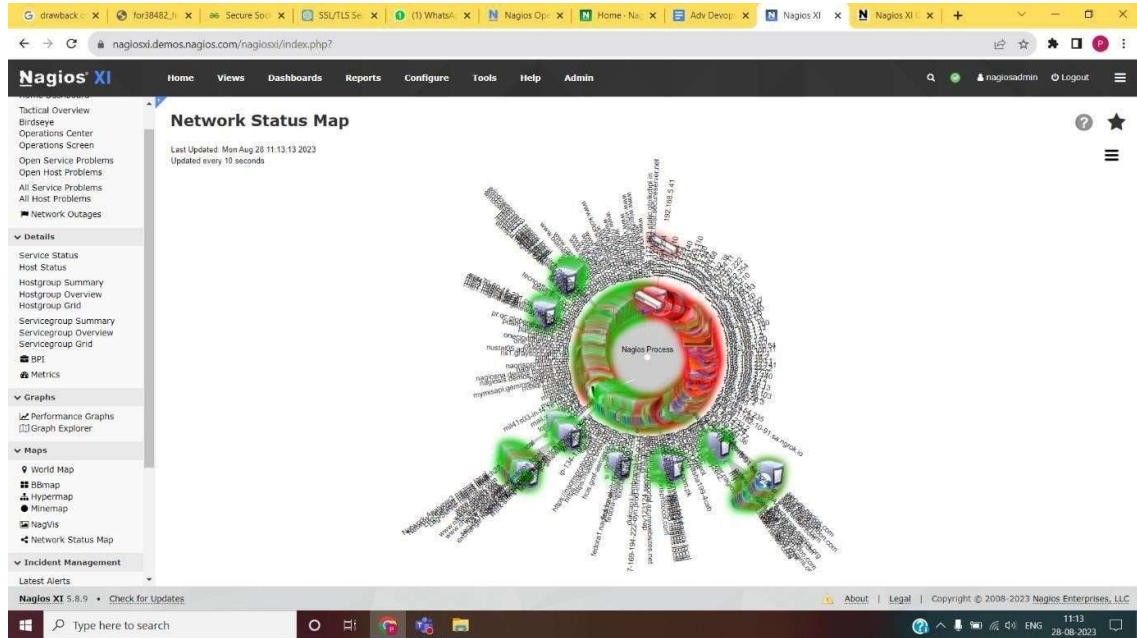
Here we can see Status Summary for All Host Groups

Now we click on BBMap

In this we can see status of following stuff in each host-



Now we have Network status map which is graphical representation of the network status



## **CONCLUSION:**

Hence, we understood Nagios. It is a powerful monitoring tool, provided valuable insights into its capabilities and benefits for effective system monitoring and management.