

ABSTRACT

Network monitoring is an activity that must be done to improve the performance of network and servers. Beside as tool for error notification network and server, network monitoring also can be used to prevent an error. So far, network monitoring has not been providing effective notification to inform admin.

This final project is created to resolve that issue. The final project was created using object-oriented methods and python language to provide addition of modules for reading nagios status and script for sms notifications.

The final project is able to monitor a server status and read it, and the result has been processing for sms notification. This final project also provided a web applications to accommodate error and also provided function for input suggestion for improvement. The module and function above are intended to improve network monitoring performance.

Keyword: server monitoring, nagios, python, SMS gateway