Project – CSC 190

Due to the needs of cyber security defense competition held annually in our department, we are interested to implement a scoreboard system based on Nagios. The requirements of such a system include:

- Support remote access to potential victim machines to check integrity of certain files or directories;
- Support remote access to potential victim machines to check status of services that should be running all the time;
- Support questions and automatic check of answers provided by defenders to the questions;
- Support admin to manually to operate the system if necessary;
- Support display of real-time scores;
- .....
- ....

The scoreboard system based on Nagios is what we shall design and implement. Currently, there should be plentiful documentation about Nagios online. The scoreboard system can be implemented as a plugin into Nagios, but there is some background documentation available yet. Students may find more helpful documentations as they explore Nagios plugins.

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