

NETDOG - CONFIGURATION MANAGEMENT AND MONITORING SYSTEM



Mini Project 2018

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ABSTRACT

The NetDog Project started with the aim to develop a software system that can bring up and down computers on the network. It has now added a number of abilities to its feature list, including the ability to execute scripts or commands across machines on the network and the ability to copy files to machines on the network without relying on third party protocol. The system is developed to be fully extensible so that developers can extend the system as per their requirements through plugins.

ACKNOWLEDGEMENT

If words are considered as symbols of approval and tokens of acknowledgment, then let words play the heralding role of expressing our gratitude.

First of all I would like to thank God almighty for bestowing us with wisdom, courage and perseverance which had helped us to complete this project ***NETDOG - CONFIGURATION MANAGEMENT AND MONITORING SYSTEM***. This project has been a reality as a result of the help given by a large number of personalities.

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Chapter 1

Introduction

The netdog project started with the aim of designing a program which can easily bring computers up and down remotely. The idea came from the realization that, quite a few computers were left powered up when the college lab closes for the day. Thus the initial name "Project Green".

A number of features were added to the feature list, most importantly tracking computers even if their IP addresses changed, the ability to execute commands or scripts on a specified range of machines with a single command, and the ability to copy files to a range of machines without requiring protocols such as SFTP or FTP.

The abilities does not end there and netdog provides many notable features such as early warning of HDD failure on the machines on the network. The exhaustive list of features is listed in later section. Once completed, netdog will be a completely extensible system to which features an be easily added through plugins.

Bibliography