

# The NetDog Project

Aswin Babu Karuvally

College of Engineering Trivandrum

7th August 2018

*Why this project?*

## Planned set of features

## Planned set of features

- ▶ Power on and power off all computers on the network

## Planned set of features

- ▶ Power on and power off all computers on the network
- ▶ Perform administrative tasks on all computers at once

## Planned set of features

- ▶ Power on and power off all computers on the network
- ▶ Perform administrative tasks on all computers at once
- ▶ Copy files/directories to all machines on the network

## Planned set of features

- ▶ Power on and power off all computers on the network
- ▶ Perform administrative tasks on all computers at once
- ▶ Copy files/directories to all machines on the network
- ▶ Track machines through IP changes

## Planned set of features

- ▶ Power on and power off all computers on the network
- ▶ Perform administrative tasks on all computers at once
- ▶ Copy files/directories to all machines on the network
- ▶ Track machines through IP changes
- ▶ Secure communication using public key encryption



## Planned set of features

- ▶ Power on and power off all computers on the network
- ▶ Perform administrative tasks on all computers at once
- ▶ Copy files/directories to all machines on the network
- ▶ Track machines through IP changes
- ▶ Secure communication using public key encryption
- ▶ Track Power on, off and login history across all machines

## Planned set of features

- ▶ Power on and power off all computers on the network
- ▶ Perform administrative tasks on all computers at once
- ▶ Copy files/directories to all machines on the network
- ▶ Track machines through IP changes
- ▶ Secure communication using public key encryption
- ▶ Track Power on, off and login history across all machines
- ▶ Plugin interface for extending the system

# Advantages

# Advantages

- ▶ Convenience

# Advantages

- ▶ Convenience
- ▶ Ease of use

# Advantages

- ▶ Convenience
- ▶ Ease of use
- ▶ Immune to IP changes

## Similar products

## Similar products

- ▶ Ansible



## Similar products

- ▶ Ansible
- ▶ Nagios

## Similar products

- ▶ Ansible
- ▶ Nagios
- ▶ Zabbix

## Similar products

- ▶ Ansible
- ▶ Nagios
- ▶ Zabbix
- ▶ Random applications

## Source Code

[https://github.com/karuvally/project\\_green.git](https://github.com/karuvally/project_green.git)