

A Proposal On Network Monitoring System

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Network Monitoring System

PROPOSAL

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Introduction

- Session based strategy for the administrator

- Monitoring client devices through the use of SNMP
- Suited for small or medium sized organizations and institutions

Problem Statement

- Network Failure
- Common In Academic Institutions
- Limited Amount Of Resources
- Cost of the enterprise software

Objective

- Network monitoring solution
- Data usage statistics
- Monitoring and configuration

Scope

- Software development firms
- Colleges and schools
- Startup and small organizations

Limitation

- Requirement of Semi-skilled or skilled manpower
- No alert or event system
- Focused on linux based environment

Software and Hardware requirements

- For client machine
 - SNMP agent
 - Static ip assigned

- SSH server
- For Server machine
 - Ruby on Rails compatible
 - 40GB Hard Disk,4GB RAM
 - Best With Ubuntu 16.10(LTS)

Feasibility Study

- Technical Feasibility
- Operation Feasibility
- Economical Feasibility

Working Timeline

Work/Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
System Analysis and Design																	
Coding and Database																	
Testing																	
Documentation																	

Expected Outcome

- User Friendly System
- Admin Dashboard

Thank You

Any Questions???

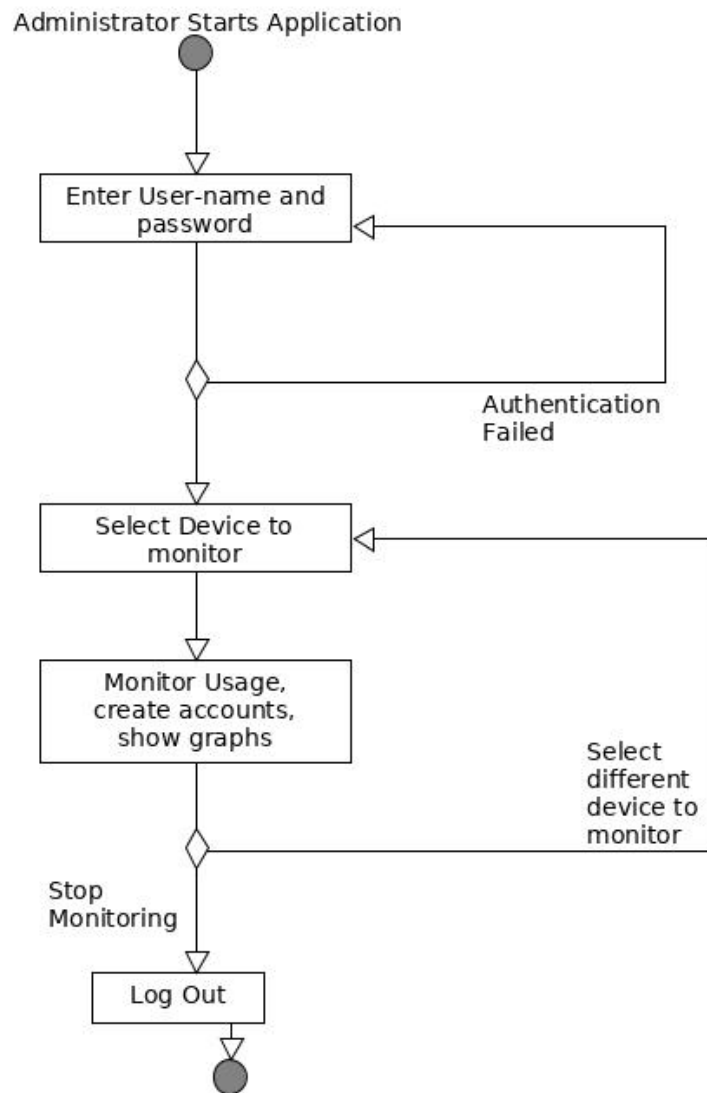


Figure 1: System Activity Diagram

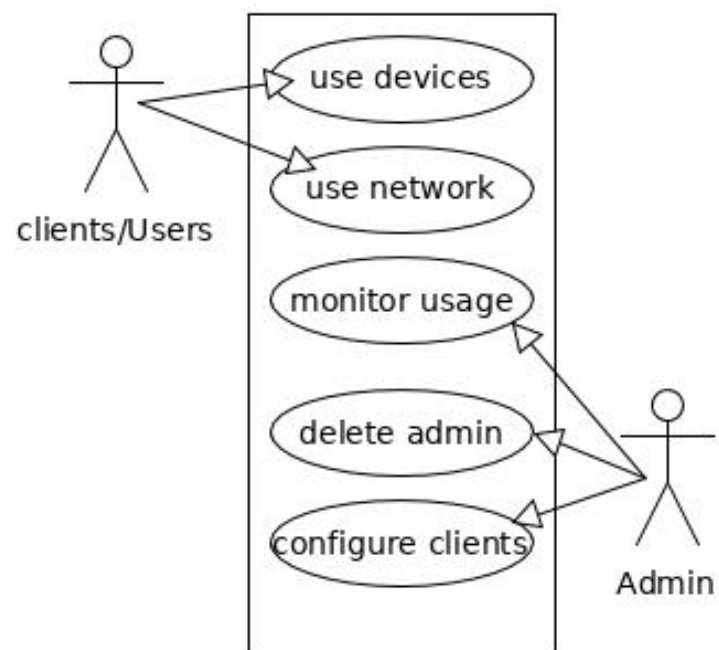


Figure 2: Use Case Diagram