



MikroTik User Meeting in Indonesia
Jakarta, October 20-21, 2012

Mikrotik Has Made Changes

Little story of amazing of Mikrotik

A little story about the experience of the implementation of the network,
a network with high quality, multi functional, and affordable prices.

The midst proliferation of network devices, Mikrotik is the ultimate choice

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About Me

Name : Sutiyo Widya Atmadja

Working at:

- a. **Universitas Widya Dharma Klaten (Lecture & IT Manager)**
- b. **Smart Communication Network Group (WISP)**
- c. **Nicemedia Asia (ICT Consultant)**

Using mikrotik since: about 2004 (BOS v2 9 27)

Problems in Computer Networks

(*Problema Jaringan Komputer*)

Availability Device Network Computer

(Ketersediaan Perangkat Jaringan Komputer)

Study Case (*Studi Kasus*)

At an University in Central Java

User Requirement :

1. Connecting a computer network among faculty building
2. Network clusterring / segmentation at each building
3. Limitation network at each building, segmen, and user
4. Hotspot integrated with Single Sign On System
5. Scheduling time for internet access
6. 7-layer firewall support
7. Easy to setup, Easy to maintain, Easy to remote
8. **Affordable price**

Initial Conditions

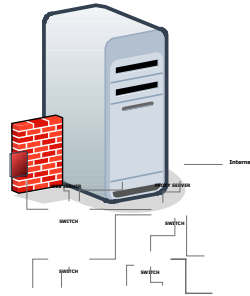
BEFORE CHANGES



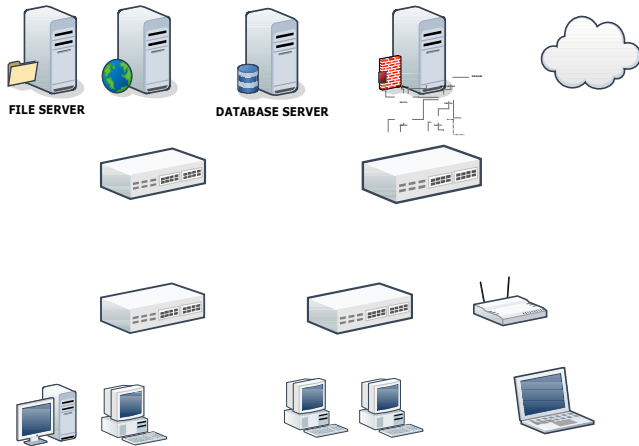
FILE SERVER



DATABASE SERVER

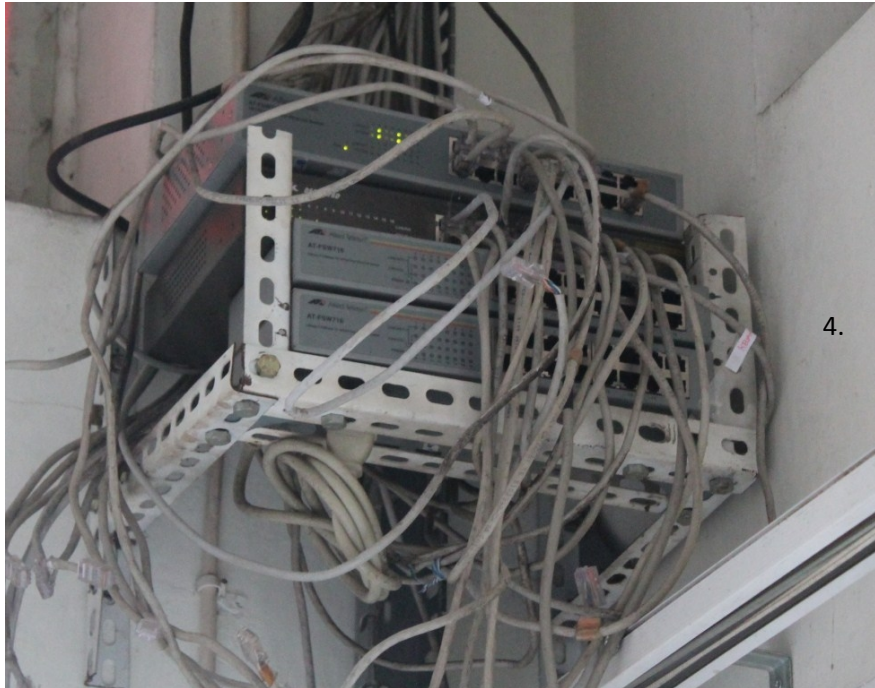


BEFORE CHANGES



DEFICIENCY

1. Collision domain,
2. Difficult when troubleshooting,
3. Between the user / sections / buildings in general is directly connected, the security level of the network to be reduced,
4. Network settings (bandwidth management, firewall, limitation, scheduling) is very difficult.

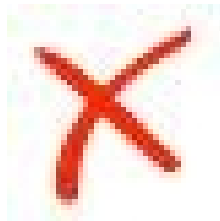


What is the solution ?

Looking for the solution



Some Products



- **Too much**
- **Difficulty in setting**
- **No multi-function peripheral**
- ...

Mikrotik Products



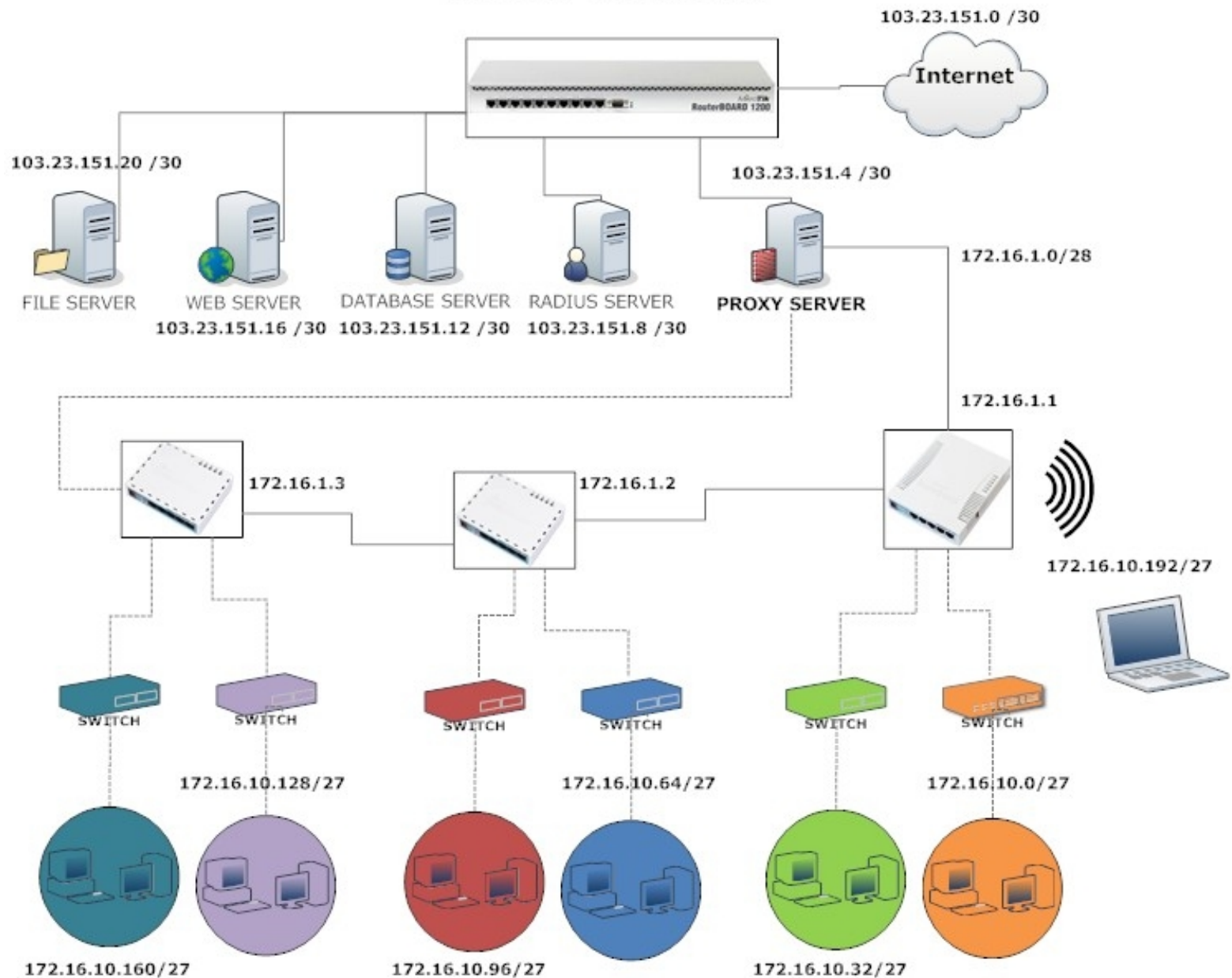
- **Affordable Price**
- **Easy to Install (Easy Setup)**
- **Multi-function peripheral**
- ...

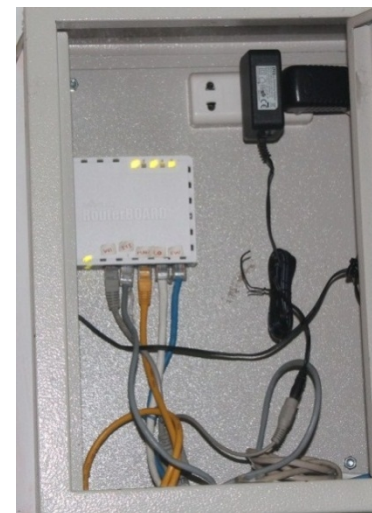
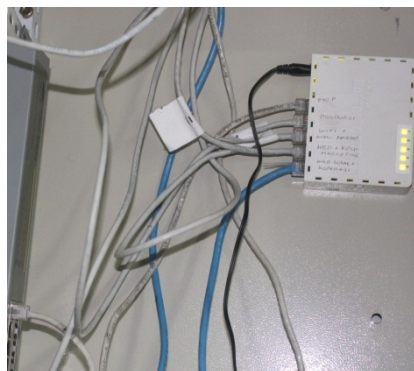




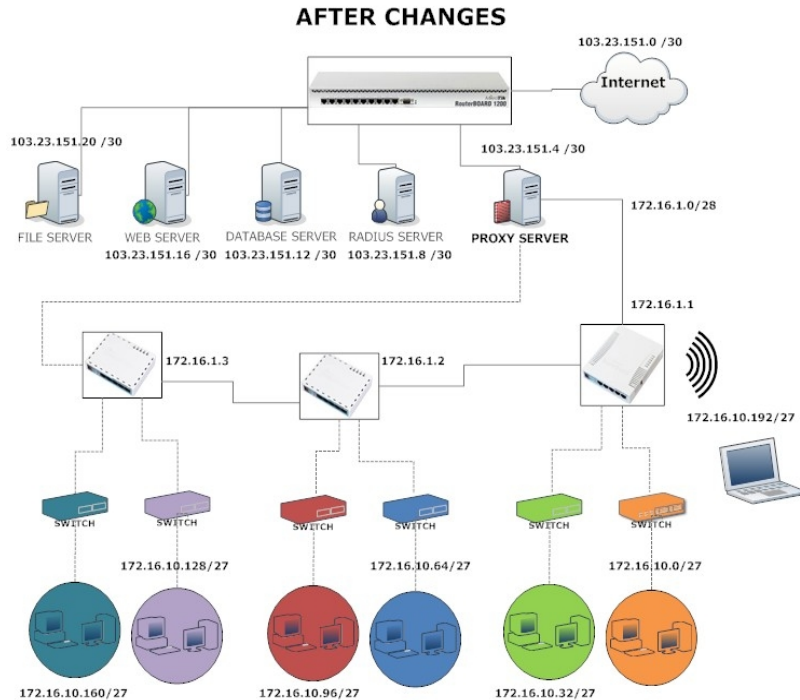
Quick Implementation

AFTER CHANGES





SUPERIORITY



- . No Collision domain,
- . Easy when troubleshooting,
- . Clustering / Segmentation / Subnetting makes network security level increased
- . Network settings (bandwidth management, firewall, limitation, scheduling) is very easy.
- 5. Devices with Multi-function
- 6. ...etc..

Why Mikrotik is Amazing ?

1. Mikrotik is device with Multi-function
2. Prices are affordable but the quality and function of mikrotik “no doubt”..
3. Easy to set up, Easy to remote
4. With this small project, I was promoted to IT Manager
5. In other companies, I was given a job as a network consultant
6. etc ...



Thanks to Mikrotik and You All