

DMZ

NID_DMZ = 10.151.83.104

Netmask = 255.255.255.252

SUBNET DMZ 1 = 10.151.83.104/30

IP_DMZ_SURABAYA = 10.151.83.105

IP_DMZ_MOJOKERTO 10.151.83.106

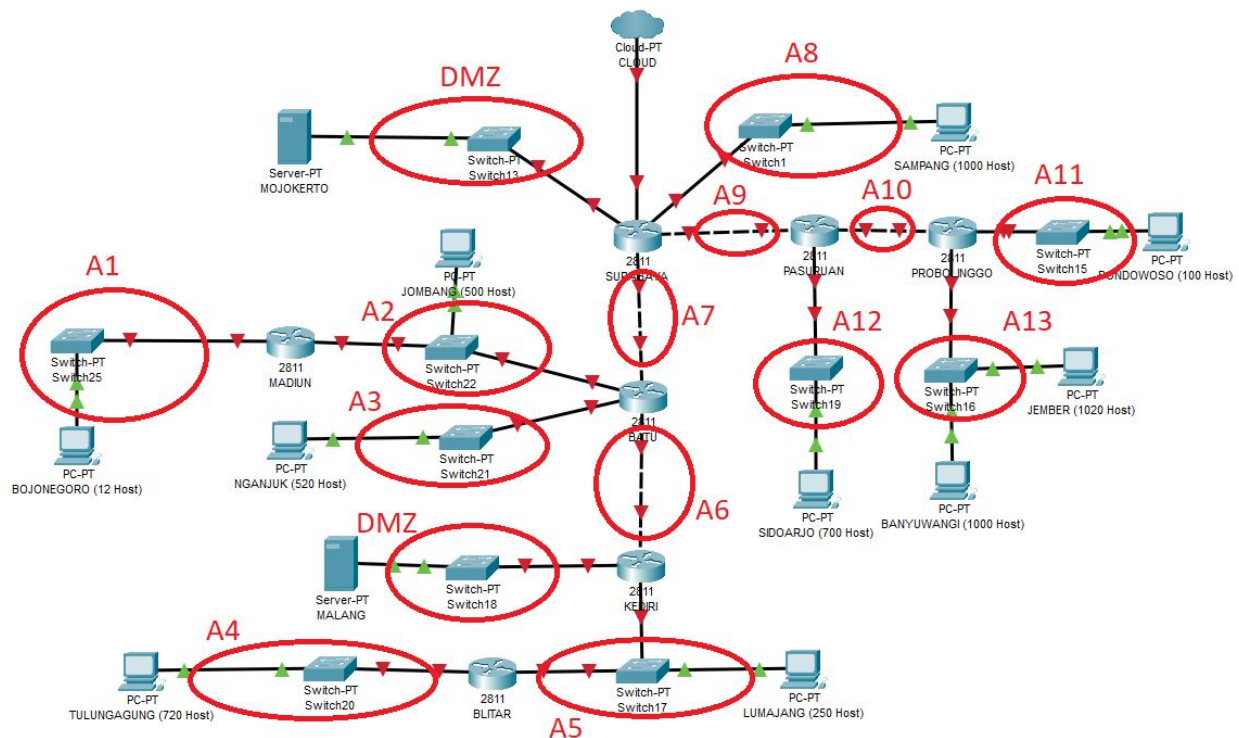
SUBNET DMZ 2 = 10.151.83.108/30

IP_DMZ_KEDIRI 10.151.83.109

IP_DMZ_MALANG 10.151.83.110

VLSM

Berikut merupakan pembagian subnet



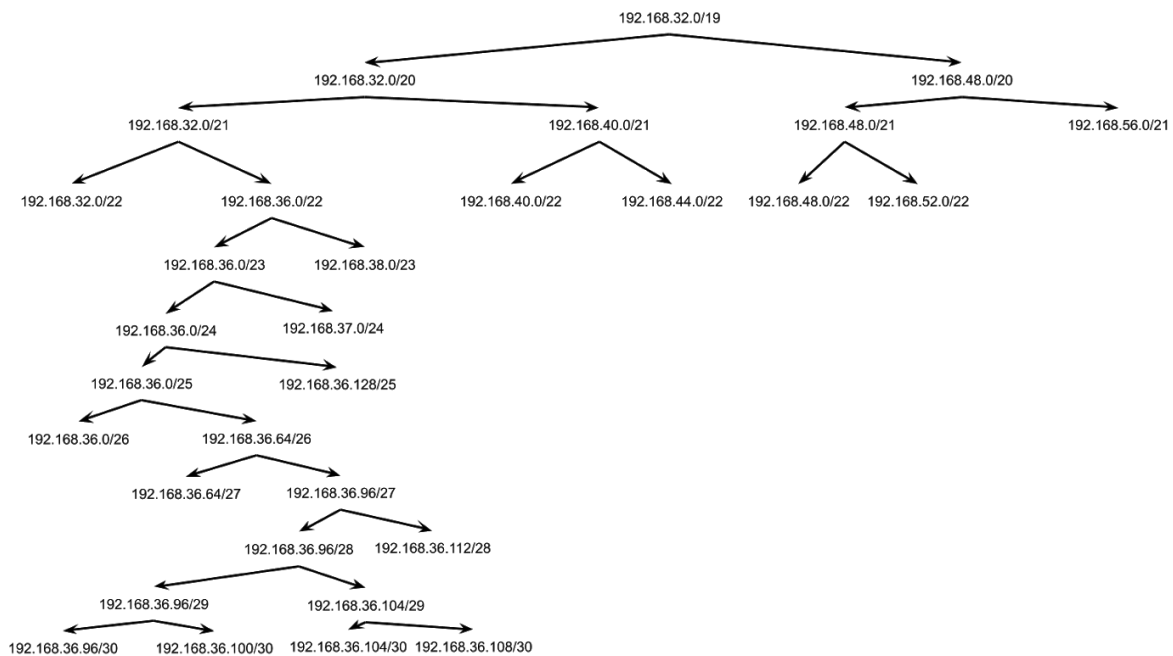
Subnet	Jumlah IP	Netmask
A1	13	/28
A2	502	/23

A3	521	/22
A4	721	/22
A5	252	/24
A6	2	/30
A7	2	/30
A8	1001	/22
A9	2	/30
A10	2	/30
A11	101	/25
A12	701	/22
A13	2021	/21
Total	5841	/19

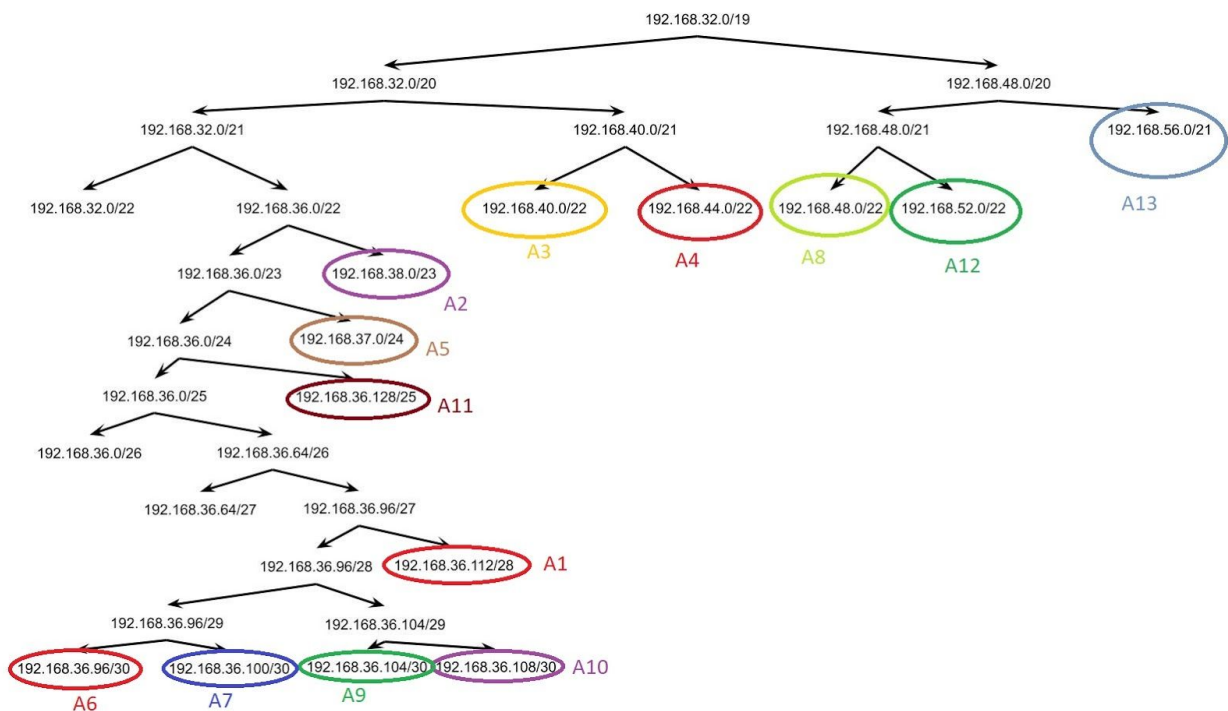
Subnet besar yang dibentuk akan memiliki NID 192.168.32.0 dengan netmask /19
NID yang paling besar adalah 192.168.32.0 yang mempunyai bit seperti berikut

192	168	32	0
11000000	10101000	00100000	00000000
<hr/>			
19 bit			

Berikut merupakan tree untuk pembagian ip



Sesuai dengan kebutuhan subnet diatas maka dapat dibagi menjadi berikut.

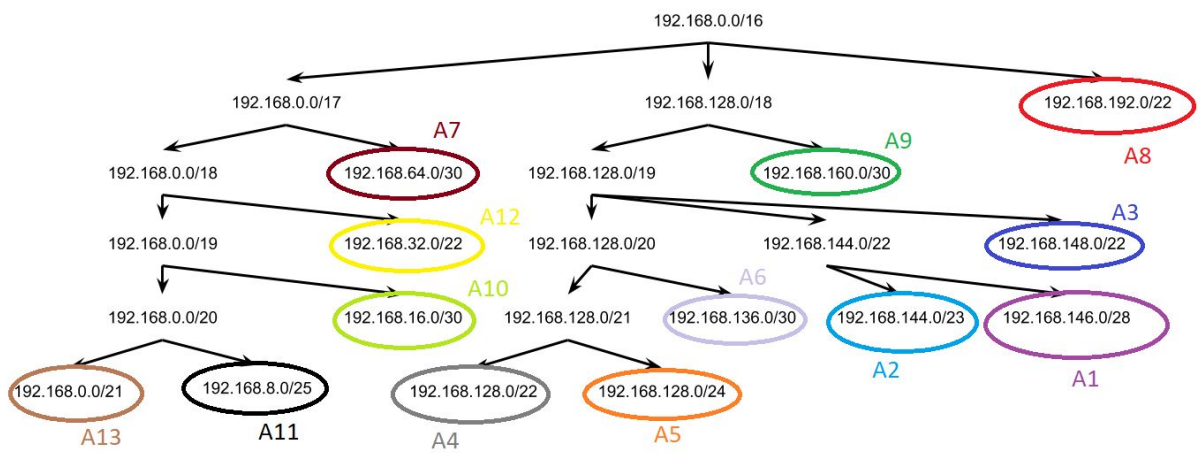
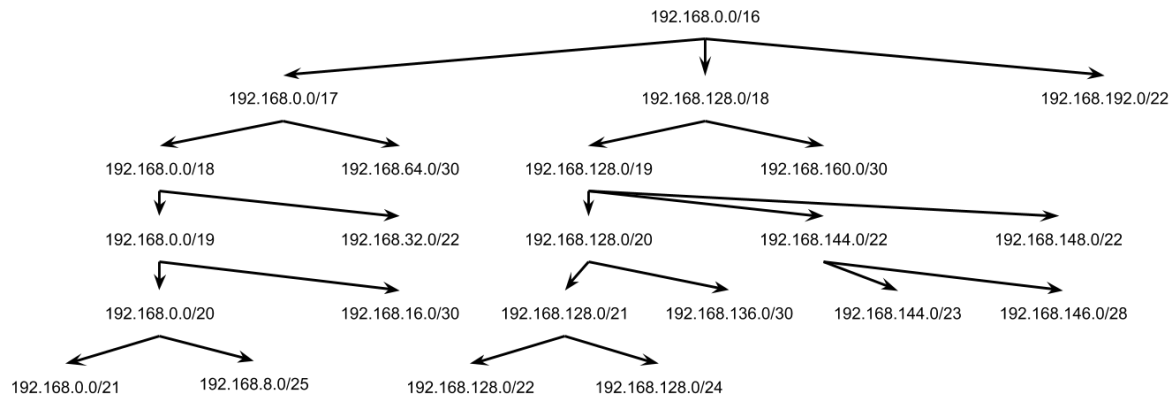


A1	Network ID	192.168.36.112
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	Netmask	255.255.255.240
	Broadcast Address	192.168.36.127
A2	Network ID	192.168.38.0
	Netmask	255.255.254.0
	Broadcast Address	192.168.39.255
A3	Network ID	192.168.40.0
	Netmask	255.255.252.0
	Broadcast Address	192.168.43.255
A4	Network ID	192.168.44.0
	Netmask	255.255.252.0
	Broadcast Address	192.168.47.255
A5	Network ID	192.168.37.0
	Netmask	255.255.255.0
	Broadcast Address	192.168.37.255
A6	Network ID	192.168.36.96
	Netmask	255.255.255.252
	Broadcast Address	192.168.36.99
A7	Network ID	192.168.36.100
	Netmask	255.255.255.252
	Broadcast Address	192.168.36.103

A8	Network ID	192.168.48.0
	Netmask	255.255.252.0
	Broadcast Address	192.168.51.255
A9	Network ID	192.168.36.104
	Netmask	255.255.255.252
	Broadcast Address	192.168.36.107
A10	Network ID	192.168.36.108
	Netmask	255.255.255.252
	Broadcast Address	192.168.36.111
A11	Network ID	192.168.36.128
	Netmask	255.255.255.128
	Broadcast Address	192.168.36.255
A12	Network ID	192.168.52.0
	Netmask	255.255.252.0
	Broadcast Address	192.168.55.255
A13	Network ID	192.168.56.0
	Netmask	255.255.248.0
	Broadcast Address	192.168.63.255

CIDR



UML

SURABAYA

Eth0

Ip 10.151.74.54

Netmask 255.255.255.252

Gateway 10.151.74.53

Eth1

DMZ

Ip 10.151.74.54

Netmask 255.255.255.252

Eth2

A8

Ip 192.168.192.1

Netmask 255.255.252.0

Eth3

A9

Ip 192.168.160.1

Netmask 255.255.255.252

Eth4

A7

Ip 192.168.64.1

Netmask 255.255.255.252

PASURUAN

Eth0

A9

Ip 192.168.160.2

Netmask 255.255.255.252

Eth1

A12

Ip 192.168.32.1

Netmask 255.255.255