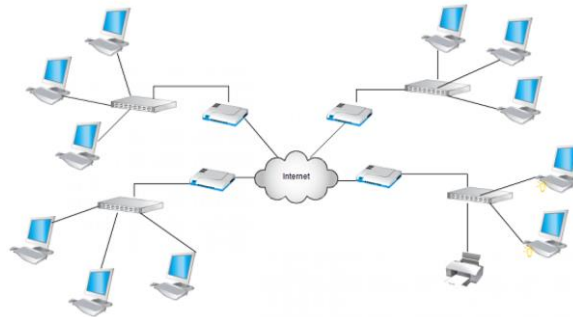


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Ip Addressing Scheme

WESTERN MINING 2020

This document will present an ip addressing scheme proposed by Pacific IT Solutions to the branch office in Brisbane of Western Mining

NETWORK DESCRIPTION

Configuration

Ip address scheme:

The client asked us for the 172.16.0.0 scheme for private IP addresses, therefore we configure the subnets with the vlsn model as follows:

Network	Size	Cns	Net IP	1st available	Last available	Broadcast IP	Subnetmask
Sales	510	512	172.16.0.0 /23	172.16.0.1	172.16.1.254	172.16.1.255	255.255.254.0
Operations	510	512	172.16.2.0 /23	172.16.2.1	172.16.3.254	172.16.3.255	255.255.254.0
Managements	510	512	172.16.4.0 /23	172.16.4.1	172.16.5.254	172.16.5.255	255.255.254.0
Exploration	510	512	172.16.6.0 /23	172.16.6.1	172.16.7.254	172.16.7.255	255.255.254.0
Cities	2	4	172.16.8.0 /30	172.16.8.1	172.16.8.2	172.16.8.3	255.255.255.252

Clearly this scheme will satisfy the amount of staff required by department in addition to giving us an IP range for the addresses between both offices.

_Why is important to document this kind of network information?

First of all, having and documenting this type of information will allow us to configure each device correctly. In other words, it will allow us to subdivide the networks by department giving us the opportunity to assign an IP address to each device that requires it, so in this way we can configure security protocols, internet connection and differentiate each equipment and solve any problem that may arise individually.