

# IP Addressing Standard for Networks

Last Modified on 21 Feb 2002

## Corporate Addresses

<b>xxx.xxx.xxx.0 / 24</b>	<b>Corporate Public Network -- Provided by ISP</b>	<b>255.255.255.0</b>
<b>192.168.0.0 / 16</b>	<b>Remote Office Network Segments (across Frame Relay or VPN)</b>	<b>255.255.0.0</b>
<b>10.10.0.0 / 24</b>	<b>Corporate Backbone Network</b>	<b>255.255.255.0</b>
<b>10.10.1.0 / 24</b>	<b>1st Floor Network Segment</b>	<b>255.255.255.0</b>
<b>10.10.2.0 / 24</b>	<b>2nd Floor Network Segment</b>	<b>255.255.255.0</b>
<b>10.10.3.0 / 24</b>	<b>3rd Floor Network Segment</b>	<b>255.255.255.0</b>
<b>10.10.4.0 / 24</b>	<b>4th Floor Network Segment</b>	<b>255.255.255.0</b>
<b>10.10.5.0 / 24</b>	<b>5th Floor Network Segment</b>	<b>255.255.255.0</b>
<b>10.10.6.0 / 24</b>	<b>6th Floor Network Segment</b>	<b>255.255.255.0</b>
<b>10.10.7.0 / 24</b>	<b>Reserved</b>	<b>255.255.255.0</b>
<b>10.10.8.0 / 24</b>	<b>Reserved</b>	<b>255.255.255.0</b>
<b>10.10.9.0 / 24</b>	<b>Reserved</b>	<b>255.255.255.0</b>
<b>10.10.10.0 / 24</b>	<b>Development &amp; Testing Network Segment</b>	<b>255.255.255.0</b>
<b>10.10.11.0 / 24</b>	<b>Pre-Production Network Segment</b>	<b>255.255.255.0</b>
<b>10.10.12.0 / 24</b>	<b>Integration Testing Network Segment</b>	<b>255.255.255.0</b>
<b>10.10.13.0 / 24</b>	<b>Intranet DMZ Network -- Internet Servers for Internal Users</b>	<b>255.255.255.0</b>
<b>10.10.14.0 / 24</b>	<b>Internet DMZ Network -- Internet Servers for External Users</b>	<b>255.255.255.0</b>
<b>10.10.15.0 / 24</b>	<b>Network Management Segment (including IP-based KVMs)</b>	<b>255.255.255.0</b>

## DataCenter Addresses

<b>xxx.xxx.xxx.0 / 24</b>	<b>DataCenter Public Network -- Provided by ISP</b>	<b>255.255.255.0</b>
<b>10.10.16.0 / 22</b>	<b>Network Management Segment (including IP-based KVMs)</b>	<b>255.255.252.0</b>
	10.10.16.0 / 22 -- Web Division #1	255.255.252.0
	10.10.17.0 / 22 -- Web Division #2	255.255.252.0
	10.10.18.0 / 22 -- Web Division #3	255.255.252.0
	<b>10.10.19.0 / 22 -- Reserved</b>	<b>255.255.252.0</b>
<b>10.10.20.0 / 22</b>	<b>DataCenter Private LAN Segment</b>	<b>255.255.252.0</b>
	10.10.20.0 / 22 -- Web Division #1	255.255.252.0
	10.10.21.0 / 22 -- Web Division #2	255.255.252.0
	10.10.22.0 / 22 -- Web Division #3	255.255.252.0
	<b>10.10.23.0 / 22 -- Reserved</b>	<b>255.255.252.0</b>
<b>10.10.24.0 / 22</b>	<b>DataCenter DMZ Network Segment</b>	<b>255.255.252.0</b>
	10.10.24.0 / 22 -- Web Division #1	255.255.252.0
	10.10.25.0 / 22 -- Web Division #2	255.255.252.0
	10.10.26.0 / 22 -- Web Division #3	255.255.252.0
	<b>10.10.27.0 / 22 -- Reserved</b>	<b>255.255.252.0</b>
<b>10.10.28.0 / 22</b>	<b>Reserved</b>	<b>255.255.252.0</b>

## Load Balancer Addresses

<b>172.24.0.0 / 16</b>	<b>Web Division #1</b>	<b>255.255.0.0</b>
<b>172.25.0.0 / 16</b>	<b>Web Division #2</b>	<b>255.255.0.0</b>
<b>172.26.0.0 / 16</b>	<b>Web Division #3</b>	<b>255.255.0.0</b>
<b>172.27.0.0 / 16</b>	<b>Reserved</b>	<b>255.255.0.0</b>
<b>172.28.0.0 / 16</b>	<b>Reserved</b>	<b>255.255.0.0</b>

**NOTE:** The 3rd and 4th octets of clustered systems will use the following connotation:  
3rd octet = denotes the server membership within the cluster (A=1, B=2, etc)  
4th octet = identical to the IP address as found in the DMZ for that site or service

## IP Allocation (within Server Subnets: DataCenter, Private and Backbone)

.1 - .19	Routers, Switches, Firewalls, VPN and other Networking Devices
.20 - .29	Domain Controllers, Directory Services, Internal Name Servers (DDNS, WINS, DHCP, etc)
.30 - .49	File Servers, NAS and other Storage Repositories
.50 - .89	Database Servers (SQL, Oracle, DB2, Sybase, MySQL)
.90 - .99	Reserved Addresses
.100 - .109	External DNS Servers
.110 - .129	Mail Servers (POP3, SMTP, and IMAP)
.130 - .139	FTP Servers (standard and Secure FTP)
.140 - .189	Web Servers (HTTP, SSL)
.190 - .199	Reserved Addresses
.200 - .219	Miscellaneous Admin and IT Servers
.220 - .229	Reserved Addresses
.230 - .239	RAS Servers (PPTP, IPSec)
.240 - .254	Routers, Switches, Firewalls, VPN and other Networking Devices

NOTE: Mid-Tier Servers should reside in the Database Address Range

## IP Allocation (within End-User Subnets)

.1 - .19	Routers, Switches, Firewalls, VPN and other Networking Devices
.20 - .199	End-User Systems with Standard DHCP Addresses
.200 - .229	End-User Systems with Reserved DHCP Addresses
.230 - .239	Network Printers, Scanners and Copiers
.240 - .254	Routers, Switches, Firewalls, VPN, and other Networking Devices