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broadcast address 172.16.127.255.Free Class B Subnetting Tutorial, How to subnet Class B ...To enable you subnet Class B, use the same subnet numbers for the third octet just as in Class C. All you need to do is just to add zero (0) to the network portion and a 255 to the broadcast section in the fourth octet. Remember we have more possible subnet mask in Class B than Class C.What is IP Address Class B Subnetting ? Explained with ...In order to have up to 30,000 hosts on one subnet, you need 15 bits for host addresses ( $2^{15} = 32,768$ ).That leaves 17 bits for the network address.Your Class B network, by definition, uses 16 bits for the network ID, so you add one host address bit to the network address space to create a subnet that allows up to 30,000

hosts. This would be defined as 129.69.0.0/17. The subnet mask is 255.255.128.0. Example of Subnetting a Class B Network - Network ... IPv4 Class B Subnets By default, using Classful Networking, fourteen bits are used as Network bits providing  $(2^{14})$  16384 Networks and  $(2^{16} - 1)$  65534 Hosts. class B IP Addresses will be subnetted constant means as class A addresses, by borrowing bits from Host bits. Below is given all potential combination of class B subnetting: IPv4 Subnetting (Class A, Class B and Class C ... Class B has 16 bits for network and remaining 16 bits for the hosts. The subnet Mask of class B is 255.255.0.0. Class B networks are smaller than class A networks, they can have about 65,000 nodes. These ranges have following Network address ranges

from 128.0.0.0 to 191.0.0.0. IP Subnetting Techniques and Class A, B, C, D, and E ... With the help of a subnetting technique, we can split the large networks of a particular class (A, B or C) into smaller subnetworks for inter-connection between each node which are situated at different locations. Each node on the network would have a distinctive IP and subnet mask IP. Guide to Subnet Mask (Subnetting) & IP Subnet Calculator In IPv6, the network prefix performs a similar function as the subnet mask in IPv4, with the prefix length representing the number of bits in the address. Prior to the introduction of CIDR, IPv4 network prefixes could be directly obtained from the IP address based on the class (A, B, or C, which vary based on the range of IP addresses

they include) of the address and the network mask. IP Subnet Calculator Subnetting playlist include 5 examples of subnetting. [https://www.youtube.com/watch?v=ecCuYq-Wprc&list=PLSNNzog5eydueOR\\_p6dezKr2tosjGvdNH](https://www.youtube.com/watch?v=ecCuYq-Wprc&list=PLSNNzog5eydueOR_p6dezKr2tosjGvdNH) 1. Subnetting is Si... Class B ID - Subnetting - YouTube Class B 4-bit subnetting tutorial If we add four bits to the network part from host part in the third octet, for a Class B network, the default subnet mask 255.255.0.0 is changed to 255.255.240.0. The four bits added to the network part from the host part, in the third octet, can have sixteen possible values. Free Class B Subnetting Tutorials, How to subnet Class B ... If the first number is 128 through 191, it's a class B address. Finally, if it's 192

through 223, it's a class C address. Depending on the IP address class, different portions of the IP address are used to designate the network and the host. For example, class A only uses 8 bits of the IP address for the network, leaving 24 for the host. Subnet and Subnetting Tutorial Guide - DNSstuff In a Class B address, the first two octets are the network portion, so the Class B example in Figure 1 has a major network address of 128.0.0.0 - 191.255.255.255. Octets 3 and 4 (16 bits) are for local subnets and hosts. Class B addresses are used for networks that have between 256 and 65534 hosts. IP Addressing and Subnetting for New Users - Cisco A Class B network was a network in which all addresses had the two most-significant bits set to 1 and 0 respectively. For



these networks, the network address was given by the next 14 bits of the address, thus leaving 16 bits for numbering host on the network for a total of 65 536 addresses per network. Classful network - Wikipedia Class A subnetting is a form of network addressing typically reserved for the government and larger institutions. It can have a large number of unique nodes, which can prove quite a challenge. Subnet a Class A network with ease - TechRepublic How to do Class B Subnetting and find the Subnet Mask, Network ID, Broadcast ID Download Networking Plus App: <https://goo.gl/SQjBuH> Join the complete CCNA Co... Subnetting playlist include 5 examples of subnetting.

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Class A subnetting is a form of network addressing typically reserved for the government and larger institutions. It can have a large number of unique nodes, which can prove quite a challenge.

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### **Subnetting Concepts: Subnetting a Class-B network**

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### **Example of Subnetting a Class B Network - Network ...**

With the help of a subnetting technique, we can split the large networks of a particular class (A, B or C) into smaller subnetworks for inter-connection between each node which are situated at different locations. Each node on the network would have a distinctive IP and subnet mask IP.

### **CLASS B ID - SUBNETTING - YOUTUBE**

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Class B has 16 bits for network and remaining 16 bits for the hosts. The subnet Mask of class B is 255.255.0.0. Class B networks are smaller than class A networks, they can have about 65,000 nodes. These ranges have following Network address ranges from 128.0.0.0 to 191.0.0.0.

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A Class B network was a network in  
 which all addresses had the two most-  
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### **IP Subnetting Techniques and Class A, B, C, D, and E ...**

To enable you subnet Class B, use the same subnet numbers for the third octet just as in Class C. All you need to do is just to add zero (0) to the network portion and a 255 to the broadcast section in the fourth octet. Remember we have more possible subnet mask in Class B than Class C.

### **SUBNETTING A CLASS B NETWORK**

If the first number is 128 through 191, it's a class B address. Finally, if it's 192 through 223, it's a class C address. Depending on the IP address class, different portions of the IP address are used to designate the network and the host. For example, class A only uses 8 bits of the IP address for the network, leaving 24 for the host.

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