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Get MCTS Certified Fast - Windows Server 2008 Network Infra-structure Configuration Study Guide by Water123

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This book assumes you have a strong grasp of manual subnetting, including the ability to convert to and from binary, hex, and decimal. The examples from this point on require this and do not review that material. Thus, if youâ€™re struggling to remember all the mathematical techniques involved, itâ€™s a good idea to pick up the MCTS: Windows Server 2008 Network Infra-structure Configuration Study Guide (Sybex, 2008) and review the sec-tion on subnetting.

As youâ€™ve experienced a lot by now in your MCITP Exams, the process of manually subnet- ting IPv4 addresses can be quite tedious and more than a little dif?cult. Just in case youâ€™ve forgotten any of it in the process of attaining your other certifications to get to this point, such as 70-643, Iâ€™ll now cover some of the most typical types of networking problems and solutions youâ€™ll be asked to handle on the MCITP Enterprise Administrator exam.

The following sections assume you already know the basics of binary, hex, and decimal conversion. However, if youâ€™ve forgotten, you can find a nice example of how to do so in MCTS: Windows Server 2008 Network Infra-structure Configuration Study Guide by William Panek (Sybex, 2008).

In the past, Microsoft has asked lots of general subnetting questions of students just to make sure they understand the impact of choosing a particular subnet. The way that this is done is by examining both the host and network portions of the subnet mask and using a little mathematics to determine the number of available hosts and subnets that are possible. For instance, you may be asked something akin to this: ?If youâ€™re using a Class C address and you need to make sure your highly interactive network applications do not broadcast to more than ?ve computers on the subnet, what would be the most appropriate mask to use?? Or, building on the last example, you might be asked this: ?Now that you have deter - mined the amount of host bits required for your particular MCITP Certifications subnet, will you be able to accommodate 30 different subnetworks??

In the following sections, youâ€™ll explore each of these questions and see whether you can find an easy way to calculate both of these answers. Youâ€™ll start with determining the num- ber of host bits.

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This a MCITP is necessary to an IT skilled because it largely offers with network safety matters that for a long time have been a serious trouble in many organizations that have information networks.

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