



وزارة التعليم العالي والبحث العلمي العراق



جامعة بابل

كلية تكنولوجيا المعلومات

قسم شبكات المعلومات

الدراسة: (صباحي)

Variable Length Subnet Mask (VLSM)

قناع الشبكة الفرعية متغير الطول (VLSM)

مشروع التخرج هو احد متطلبات الحصول على درجة البكالوريوس في تخصص شبكات المعلومات في تكنولوجيا المعلومات

A Graduate Project Submitted to the department of Information Networks of the College of Information Technology, University of Babylon, in Partial Fulfillment of the Requirements for the Bachelor's degree in the Information Networks of Information Technology.

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Abstract

The project talks about the subject of VLSM, meaning it simply talks about its address, devices and networks. At the beginning, I will explain the concept of VLSM (addresses), so that when I explain the steps of the project, it will be clear to the recipient. Variable Length Subnet Mask (VLSM) is a technique used in IP network design to create subnets with different subnet masks. VLSM allows network administrators to allocate IP addresses more efficiently and effectively, by using smaller subnet masks for subnets with fewer hosts and larger subnet masks for subnets with more hosts. The project consists of two parts, the first is logging in and the second is the VLSM addressing process. The first step is to log in to the program. If you are a new user, log in from the Register login window. If you have an account in the program, just enter. Your email and your password and you enter the program. This process is used if the admin or users is done in this way. If the login is for admin, then he has the ability to manage users and has full powers to control accounts through deletion and modification. However, if the login is user here, he just does his job. vlsM addressing only and does not have the same permissions as admin. After the login process, you will be taken to the program page, which is an interface containing. There are three entries. The first entry is to write the IP address, the second is to choose the class type, and the third is to write the host number that I want for this network. Then we press the perform vlsM button. It will go to the output page that contains the results that you entered, and you can take a copy of the results and you can print them.