

**Experimental Report**

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| **Course**: | Computer Networking |
| **Semester**: | 2nd semester of the academic year **2020-2021** |
| **Major**: | Software Engineering |
| **Class**: | 2019.3 |
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**School of Computer and Information Science**

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| Name | | Configuring the web server | | | |
| Date | | 2021.4.21 | Type | | □Confirmatory  √ Design  √ Comprehensive |
| 1. **Objectives & Requirements**   1. configuring and analyzing HTTP web server  2. configuring DNS analyzing web server  3. configuring FTP analyzing web server | | | | | |
| 1. **Experimental environment (**platform and software**)**   Virtual box 5.2.32 + Windows server 2008 | | | | | |
| 1. **Experimental content and design** (Main Content, Procedure, Codes and Results)   1. configuring HTTP web server:    Windows IIS server was successfully installed.    Set up the IIS server and configure the virtual directory.    Place a web page with my personal information on an IIS server, which can be accessed via IP address.    Place larger websites (such as the Baidu homepage which has been saved locally) on the virtual directory of the IIS server, which can also be accessed via IP address.  2. Configuring DNS web server:    Install and configure DNS.    Set up DNS so that it can resolve domain names properly.    Using the ‘ping’ command in the CMD, we can see that the domain name is correctly resolved to an ip address and can be accessed successfully  3. configuring FTP server    Set the domain name of the FTP server    Create a new FTP server user    Setting up the FTP server's local directory    Set FTP user permissions    Log in to the ftp server in Windows Explorer with the username and password we have set    Transferring files to the FTP server, we can see that these files appear in the local folder | | | | | |
| 1. **Analysis and discussion of experiment results**（Analysis of experimental results, and summary of gains and the existing problems）   Through this experiment, I have gained some understanding of configuring various web servers on a Windows Server system, including HTTP servers, DNS servers, DHCP servers and FTP servers. Each of these different servers provides different services and performs different functions in the network. In the process of completing this experiment, I encountered some problems, such as the domain name not being resolved correctly when configuring DNS, but I solved this problem by asking other students. After completing this experiment, I have a better understanding of the various basic network services on the Internet and how their servers are set up, which helps me to better understand the content taught in this course on computer networks. | | | | | |
| Comments & Evaluation | Content & Design (A-E) | | |  | |
| Procedure & Codes (A-E) | | |  | |
| Results (A-E) | | |  | |
| Analysis & Discussion (A-E) | | |  | |
| Score (A-E):  Feedback comments: | | | | |