Bahrain Polytechnic
بوليتكنك البحرين

Project Brief 21 - CCNP Route For A Global Health Network

Project Type

☒ Networking   ☐ Database   ☐ MIS   ☐ Programming

Introduction

The Global Heath Network (GHN) are a company specializing in providing world class health services. The company is expanding into the following countries shown in Table 1.

The company relies on video conferencing so that specialist health professionals can speak with patients in any country in HD (High Definition). The company will also host an internal email system, website, DNS, FTP server and will use Telnet.

Country	City	Staff
Bahrain	Manama	107
Luxembourg	Luxembourg	35
China	Suzhou	30
England	Manchester	56

Table 1

Project Description

Previously the network administrator had CCNA experience only and the company wants to exploit the advanced features of Routing Protocols. Both practical experience can be used and the user will implement advanced features of routing protocols in GNS3 and practical equipment to display the features of CCNP route materials.

For this project you have to produce a report and implementation that will showcase as many of the above CCNP routing topics into a topology that matches the requirements of the GHN and show the benefits of implementing these features for the company's WAN connections.

The project brief serves as the first step to help you produce a product; you are expected to make assumptions and research additional requirements to develop a fully-fledged solution.

Pre-Requisite Knowledge

Students should have knowledge of the following:

-   Networking 1, 2, 3.