



PRIFYSGOL CYMRU
Y Drindod Dewi Sant
UNIVERSITY OF WALES
Trinity Saint David
SWANSEA - ABERTAWE

Applied Computing

Wales Institute of Science and Art (WISA)

Network Operating Systems and Services (NOSS)

(ACCA5023)

Activity: Server Services

Reference from Essential Reading:

Dauti, Bekim. Windows Server 2019 Administration Fundamentals: A beginner's guide to managing and administering Windows Server environments, 2nd Edition.

Task 1: Understanding ISS Role

IIS is a Web Server of Microsoft which helps to serve reliable, scalable and manageable web applications. While focusing on Web Applications, IIS supports HTTP, HTTPS, SMTP, NNTP, FTP, FTPS protocols to establish communication between browser and the web server.

Do further research on ISS focusing on the following aspect:

1. Why do we need IIS in our network architecture?
2. How does IIS support (the technology behind) standard/ static web content and dynamic web content?
3. Research in detail about the versions of IIS and its differences/ upgrades/ improvements in each versions.

Task 2: Installing ISS Role

1. Go to Server Manager → Add roles and features → Role-based or feature-based installation → Select your appropriate server →
2. List of Server roles → Web Server (IIS)
3. Add Features (If no feature required, next)
4. As per the requirement customize and accept the web server role services → Install Web Server role

Task 3: Understanding PDS Role

PDS helps in establishing centralized printing on the network.

1. Why do we need PDS in our network architecture?
2. Use a network designing tool (alternatively use word processing tool) to design a network architecture. Your design should insist on PDS requirement within the network and explain/ justify the efficiency of implementing PDS in your designed network.

Task 4: Installing PDS Role

1. Go to Server Manager → Add roles and features → Role-based or feature-based installation → Select your appropriate server →
2. List of Server roles → Print and Document Service Role (PDS)
3. Add Features (If no feature required, next)
4. As per the requirement customize and accept the web server role services → Install Web Server role