
COMPUTER SUBJECT: BASIC NETWORK CONCEPTS

TYPE: GROUP WORK EXERCISE/DISCUSSION

IDENTIFICATION: HOMEWORK2/MC

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LEVEL: EASY

DURATION: 2 hours

SIZE: 100 lines!!

OBJECTIVE: Kerberos

REQUIREMENTS: **Network Security Essentials**

COMMANDS:

NSF Chapter 4 Assignments

Assignment 1

In a company many users on the network can request services from different machines.

What is the issue of authentication?

What are the requirements to a solution?

State a few threats of inside attacks or misuses.

Assignment 2

What shall a trusted third part know about users ?

What is a ticket?

What is inside a ticket?

Assignment 3

How can a password and user information be exchanged, i.e.

What is a TGS ticket?

What is a service ticket ?

Assignment 3

Describe the authentication procedure in Kerberos, i.e.

Which keys are used in Kerberos?

How to logon to a KDC (Key Distribution Center)?

How to obtain a ticket?

How to obtain a service?

Take a good look at the figure in the Stallings book ch. 4.

Did you get the overall picture?