

Please complete the following mini project tasks as specified.

You have to submit your answers via blackboard by 9pm, 24th Aug 2020(Monday)*.

*50% of marks to be deducted for submission of assignment within ONE calendar day after the deadline.

No marks shall be awarded for assignments submitted more than one day after the deadline.

Mini Project on Kerberos

Overview

After you have carried out this mini-project (Estimated - 1 hour), you shall be able to learn the basic working concept of Kerberos Authentication Scheme.

Your tasks for this mini project:

Use the provided hints, to locate two videos on YouTube which are related to Kerberos, and answering the three questions listed at the next section. The Hints:

Video 1 : "MicroNugget: How Does Kerberos Work? by Don Jones"

Video 2: "Using Command Line Tools to Troubleshoot Kerberos Authentication by Jeff Hicks"

The Questions:

Q1. Which Institute/Organization invented Kerberos? [2 marks]

Q2. List all the possible types of 'tickets' that Kerberos can be issued. [2 marks]

Q3. Identify the TWO possible events that can trigger the Kerberos server to issue out a new "ticket granting ticket" ? [4 marks]

Q4. Please take one or a couple of screenshots while you are using the klist command to show at least 3 cached tickets (any types) you have obtained from your own SMW Domain Kerberos server. Attach your screenshot(s) that show the commands and output as part of the solution submission. (Screen captured images downloaded from internet are not counted).

[6 marks]

---- The End ----