Scenario 1-Threat Description: An attacker intercepts and alters communication between two parties without their knowledge. This can lead to unauthorized access to sensitive data.

Scenario 2-You are the network administrator for a medium-sized company. One day, you receive reports of suspicious network activity, with users complaining about slow internet speeds and intermittent connectivity issues. After initial investigation, you notice that the network performance degrades during specific times of the day.

Scenario 3- A notorious hacking group known as "Silicon Shadows" has gained access to a critical data transmission node at the heart of the city's communication infrastructure. Instead of directly manipulating or disrupting the data flow, the hackers decide to employ a sophisticated attack to achieve their malicious objectives.

Scenario 4-Imagine you work for a medium-sized company that relies heavily on online communication and transactions. Your company uses a secure messaging platform for internal communication and a web-based portal for financial transactions with clients. One day, employees start noticing unusual activities in their accounts, and there are reports of unauthorized access to sensitive information.