Cloud Computing Application

1. How does cloud computing enhance the accessibility and flexibility of the CRM system?

The CRM system bridges the gap between traditional over the counter services for a more direct interaction where the accessibility is conveniently via internet connection from anywhere and flexibility at any time.

2. What potential challenges or security considerations should the organization be aware of when using a cloud-based CRM

CRM can be costly and time consuming when handling consumer data as well as meeting all current regulatory standards.

Fog Computing Application

1. How does fog computing enhance the efficiency of traffic management compared to traditional cloud computing?

Cloud computing involves a central server to route the direction of information which may be a little slower since operating traffic management using fog computing at a local level this results in faster and responsive performance.

2. What are some potential scenarios where fog computing might face limitations or challenges in this application?

Additional hardware and software resources are required for fog computing leading to extra costs. Potential tampering could occur by malicious fog attackers disrupting vital traffic management.

Real-World DDoS Attack and Impact

1. How did the DDoS attack on Dyn DNS affect users' access to popular websites?

The Distributed denial-of-service attacks against the DNS (Domain Name System) provider Dyn caused major internet platforms to be unavailable. Many users couldn’t access certain websites.

2. What steps can organizations take to mitigate the impact of such large-scale DDoS attacks and ensure better resilience of their services?

Increasing bandwidth could help alleviate large scale attacks and ensure resiliency of their services.