Case study:

A product development company is planning to launch a new product to the market in the coming year. Initial plan is to launch the product as ‘On Prem’ platform before it is transitioned to vendor agnostic cloud. With changing dynamics and continuation of Work from home, customers are looking at using this product in hybrid mode(from home and office). The product is designed using microservices architecture and has few windows based third party services. Expectation of the product is to have best in class ‘Deployment’ and ‘Upgrade’ experience both with online and offline mode alongside a robust feedback mechanism to improve the overall experience in future.

As a DevOps Engineer, Design the DevSecOps pipeline which enables

1. Continuous integration, Delivery and Deployment
2. Continuous feedback mechanism
3. Artifacts of the product company & assets of customers are secured
4. Smooth functioning of the deployment once installed or upgraded

As DevOps engineer also think of some of constraints in customer environment like

1. Zero to Low internet connectivity speed.
2. Knowledge of the customers or users in the latest technologies of SW is low
3. Customer organization may or may have IT teams to support

You are free to choose any tools, process and techniques for the assignment based on the description given above.

Note: The Intent of this assignment is to understand, evaluate candidate's thought process, problem solving skills and intuitiveness to foresee challenges in such deployments.