



Digital Receipt

This receipt acknowledges that **Turnitin** received your paper. Below you will find the receipt information regarding your submission.

The first page of your submissions is displayed below.

Submission author: Pritam Suwal Shrestha
Assignment title: Assessment - Answers to Guest Lecture 3
Submission title: Pritam_23771397_AnsGuestLect03.pdf
File name: Pritam_23771397_AnsGuestLect03.pdf
File size: 68.08K
Page count: 3
Word count: 1,076
Character count: 6,508
Submission date: 19-Sep-2023 06:18PM (UTC+0800)
Submission ID: 2170501577

1. What are the 3 main types of cloud services? (10)

Ans: The three main types of cloud services are:

- **Infrastructure as a Service (IaaS):**
IaaS provides the foundational building blocks of cloud computing. It offers virtualized computing resources over the Internet, including servers, storage, and networking. Users have control over the operating system, applications, and data but do not need to worry about managing the underlying hardware.
Examples of IaaS providers include Amazon Web Services (AWS) EC2, Microsoft Azure Virtual Machines, and Google Cloud Compute Engine.
- **Platform as a Service (PaaS):**
PaaS provides a platform and environment for developers to build, deploy, and manage applications without having to address the underlying infrastructure. It includes tools and services for application development, such as databases, runtime environments, and development frameworks. Users can focus on writing code and application logic rather than dealing with infrastructure concerns.
Examples of PaaS providers include Heroku, Google App Engine, and Microsoft Azure App Service.
- **Software as a Service (SaaS):**
SaaS delivers fully functional software applications over the Internet on a subscription basis. Users can access these applications through web browsers without installing or maintaining software locally. SaaS covers many applications, including email, office productivity tools, customer relationship management (CRM), and more.
Examples of SaaS providers include Salesforce, Microsoft 365 (formerly Office 365), Google Workspace, and Zoom.

2. Name 3 different cloud deployment models. (10)

Ans: The three different cloud deployment models are as follows:

- **On-Premises:**
On-premises computing refers to the traditional model where an organization owns and maintains its own data centers and IT infrastructure within its physical location. It offers maximum control and security but can be costly to set up and maintain, requiring significant hardware and operational expenses. On-premises infrastructure is suitable for organizations with strict compliance requirements or specific security concerns that necessitate keeping data and applications within their own facilities.
- **Private Cloud:**
Private Cloud is a cloud deployment model where computing resources are dedicated exclusively to a single organization, providing enhanced control and security. It offers the benefits of cloud computing, such as scalability and flexibility, while allowing organizations to maintain their own infrastructure or leverage third-party providers for dedicated cloud environments. Private clouds are often chosen by organizations with sensitive data or regulatory requirements, offering a