



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: DA (Dylan) Whiteford
Assignment title: COS 720 Project Turnitin Submission Link
Submission title: 19214597_COS720_Project.pdf
File name: 19214597_COS720_Project.pdf
File size: 147.77K
Page count: 6
Word count: 1,198
Character count: 6,685
Submission date: 26-May-2024 11:08PM (UTC+0200)
Submission ID: 2388639956

Dylan Whiteford
19214597

Cloud computing security

What is cloud computing security

Cloud computing security is a group of policies and technologies created to protect and prevent attacks from security threats from within or outside an organisation. It serves to protect the data, infrastructure and applications on the cloud services.

What does cloud security entail

The cloud computing threats can in some cases be similar to normal computing threats however there are some unique threats it faces too. Some include Lack of visibility, multi-tenancy, access management, misconfiguration and compliance. These threats are related to the fact that the data, application or infrastructure is on the cloud. The most used approaches to cloud security are preventative(stop before it happens), detective(spot while it's happening), automated(responding if spotted or prevented) and administrative(looking at what you have in place) controls.

Latest trends in cloud computing security

1. Zero trust approach to security - no predefined trust given to user and users authorisation is constantly checked(Arora, 2024). Not checked once and then allowing them to use the system forever more.
2. Intelligent security - Making use of AI and ML to help prevent and protect against threats(Arora, 2024). This allows for large amounts of data and captivty to be monitored.
3. Secure devops - Pace of development is only increasing and therefore implementing security within the CI/CD process will provide more protection(Arora, 2024). It also prevents harmful or unsecure code from being deployed which will put your application at risk.