**Layer 3 and Layer 4 Security**

**CYBR3010**

**Cybersecurity Foundations**

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Table of Contents

[Introduction 1](#_Toc211667525)

[Topic 1 1](#_Toc211667526)

[Subtopic 1.1 1](#_Toc211667527)

[Subtopic 1.2 1](#_Toc211667528)

[Topic 2 2](#_Toc211667529)

[Subtopic 2.1 2](#_Toc211667530)

[Topic 3 2](#_Toc211667531)

[Subtopic 3.1 2](#_Toc211667532)

[Subtopic 3. 2](#_Toc211667533)

[References 1](#_Toc211667534)

# Introduction

This document is about Layer 3 and Layer 4 of the OSI Layer, which is the Network Layer and Transport Layer. In here, normal communication in Layer 3 will be discussed, as well as the vulnerabilities and how to mitigate.

# Topic 1

One of the crucial components of an organization’s security strategy is often referred to as Identity and Access Management (IAM). IAM ensures that the right people, machines, and software components access the right digital resources at the right time and for the right reasons.

## Subtopic 1.1

IAAA (Identification, Authentication, Authorization, Accountability) is the foundation of Identity and Access Management (IAM). IAM is a discipline and a type of framework for solving the challenge of secure access to digital resources.

## Subtopic 1.2

Authentication provides a way of identifying a user. It can be done through various mechanisms: something you know, something you have, something you are, and multi-factor authentication.

# Topic 2

## Subtopic 2.1

# Topic 3

## Subtopic 3.1

## Subtopic 3.

# References

**There are no sources in the current document.**