

# **PROJECT PLAN** V0.2

**Design an implementation of an enterprise  
IAM architecture**

**Edris, Joey, Simon, Johnny, Rick  
ICS4 – Team H**

**Coach: Jeroen Camp  
Client: Frank Haverkort**

# Version history

Version	Date	Change	Status
0.1	10-09-2024	Structure of document created	Initial start
0.2	13-09-2024	Added the project context	Initial draft finished

# Contents

Version history .....	2
Tasks and activities .....	4
Context .....	4
Goal of project .....	4
The assignment .....	4
<i>Proof of concept</i> .....	4
<i>Minimal requirements</i> .....	4
<i>Optional requirements</i> .....	4
Project scope .....	4
<i>Context diagram</i> .....	5
Preconditions for sprints and projects.....	5
Research questions .....	5
<i>Main question</i> .....	5
<i>Sub-questions</i> .....	5
Final product .....	5
Planning.....	6
Approach.....	6
Learning outcomes .....	6
Time plan .....	6
References .....	7

# Tasks and activities

## Context

This project aims to design and implement an IAM architecture that adheres to industry standards and integrates SSO and MFA. IAM is a framework for managing digital identities and controlling access to resources to ensure only authorized users can access specific data and applications (What Is IAM? - AWS Identity and Access Management, n.d.).

The client, Frank Haverkort, emphasizes the importance of delivering the correct information to the right users and managing access rights through role-based controls. SSO allows users to authenticate once and gain access to multiple applications without repeated logins, enhancing both security and usability (Wikipedia contributors, 2024). MFA adds an extra layer of security by requiring two or more verification methods, such as a password and a code sent to a mobile device (Making Accounts More Secure With Multi-factor Authentication, n.d.).

This project addresses the challenge of managing secure access across multiple applications and data sets within an organization. This will involve defining a Role-Based Access Control model, implementing SSO and MFA. The use of AWS, Azure, or Fontys NetLab will be explored to build and test the solution, selecting the best platform based on project requirements.

Regular feedback sessions are planned with Frank and Jeroen, the project coach, who will be involved in reviewing key project milestones.

## Goal of project

.

## The assignment

### *Proof of concept*

.

### *Minimal requirements*

.

### *Optional requirements*

.

## Project scope

.

*Context diagram*

.

**Preconditions for sprints and projects**

.

**Research questions**

*Main question*

.

*Sub-questions*

.

**Final product**

.

# Planning

## Approach

.

## Learning outcomes

.

## Time plan

Nist framework

# References

*What is IAM? - AWS Identity and Access Management.*

(n.d.). <https://docs.aws.amazon.com/IAM/latest/UserGuide/introduction.html>

Wikipedia contributors. (2024, September 13). *Single sign-on*.

Wikipedia. [https://en.wikipedia.org/wiki/Single\\_sign-on](https://en.wikipedia.org/wiki/Single_sign-on)

Making accounts more secure with multi-factor authentication. (n.d.).

<https://support.microsoft.com/en-gb/topic/what-is-multifactor-authentication-e5e39437-121c-be60-d123-eda06bddf661>