**PROJECT PLAN V0.2**

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

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ICS4 – Team H**

**Coach: Jeroen Camp**

**Client: Frank Haverkort**

# **Version history**

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| --- | --- | --- | --- |
| 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 |

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# **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**

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## **The assignment**

### ***Proof of concept***

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### ***Minimal requirements***

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### ***Optional requirements***

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## **Project scope**

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### ***Context diagram***

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## **Preconditions for sprints and projects**

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## **Research questions**

### ***Main question***

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### ***Sub-questions***

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## **Final product**

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# **Planning**

## **Approach**

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## **Learning outcomes**

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## **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>

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>