

An abstract graphic on the left side of the slide, featuring a complex network of black dots connected by thin, light gray lines, creating a web-like structure that fades into the background.

PROJECT PLAN

GROUP 5: CLOUD NATIVE PERFORMANCE MONITORING SYSTEM

TEAM MEMBERS



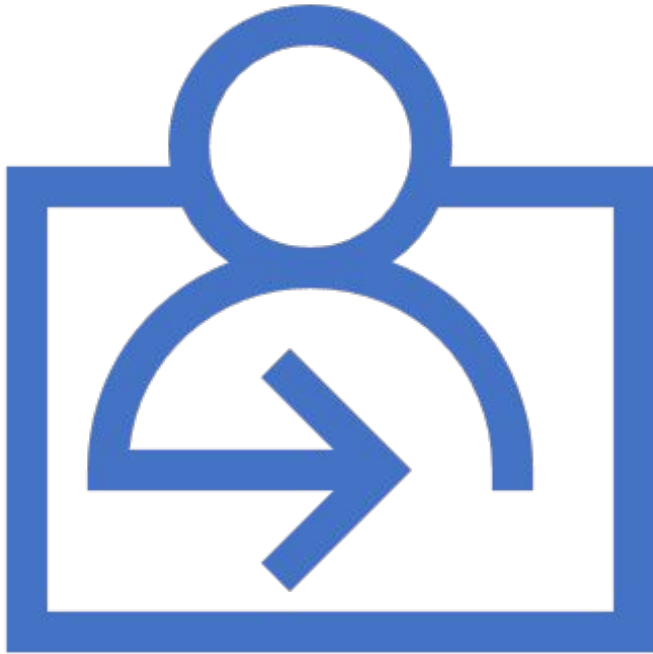
- Roland Plaka
- Gezim Cako
- Sandra Eriksen
- Ville Svensson
- Gunnar Andersson
- Emil Larsson
- Johan Karlsson



RISE

The client is RISE (Research Institutes of Sweden).

They are a research institute that collaborate with universities and companies in order to innovate and promote sustainable growth.



Interaction with client

- Has product ideas and time to discuss ideas
- Gives feedback to the group

The Project Overview

- We will develop an application that monitors resource usage of a virtual machine, running on AWS (Amazon Web Services).
- The application contains two parts, Amazon's CloudWatch API, a graphical dashboard, in the form of a website, responsible for visualizing the metrics collected from CloudWatch.
- Users will be able to customize the dashboard to their own needs, and administrators will be able to toggle on or off the collection of specific resources.

Non-functional Requirements

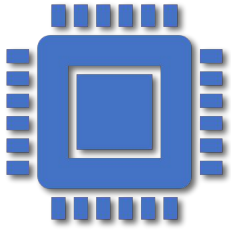


PERFORMANCE



SECURITY

Requirements and Constraints



Collection of metrics



Visualization



AWS or Xen with
OpenStack as platform

Initial Backlog

Task
Design (Website)
Frontend Implementation (Website)
Backend Implementation (Website)
Database
CloudWatch API

Work Organization

Type of Communication	Method / Tool	Frequency/Schedule	Information	Participants / Responsibilities
Project Meetings	Discord application and at campus	Weekly (Mondays and on event) and daily conversation.	Project status, problems, risks, changed requirements, previous work, task to do.	Project Team
File Management	Shared Project Google Drive Folder	During the project phases.	All project documentation and reports, protocols, presentation	Project Team Steering Group The client
Version Control	Git GitHub	During development and final phase	Git will be used as a tool to keep track of changes to the source code. Git Hub will be used as a repository to store and share code between the team	Project Team
Task Organization	Trello	During the project phases	Organize our tasks and keep track of them	Project Team Steering Group

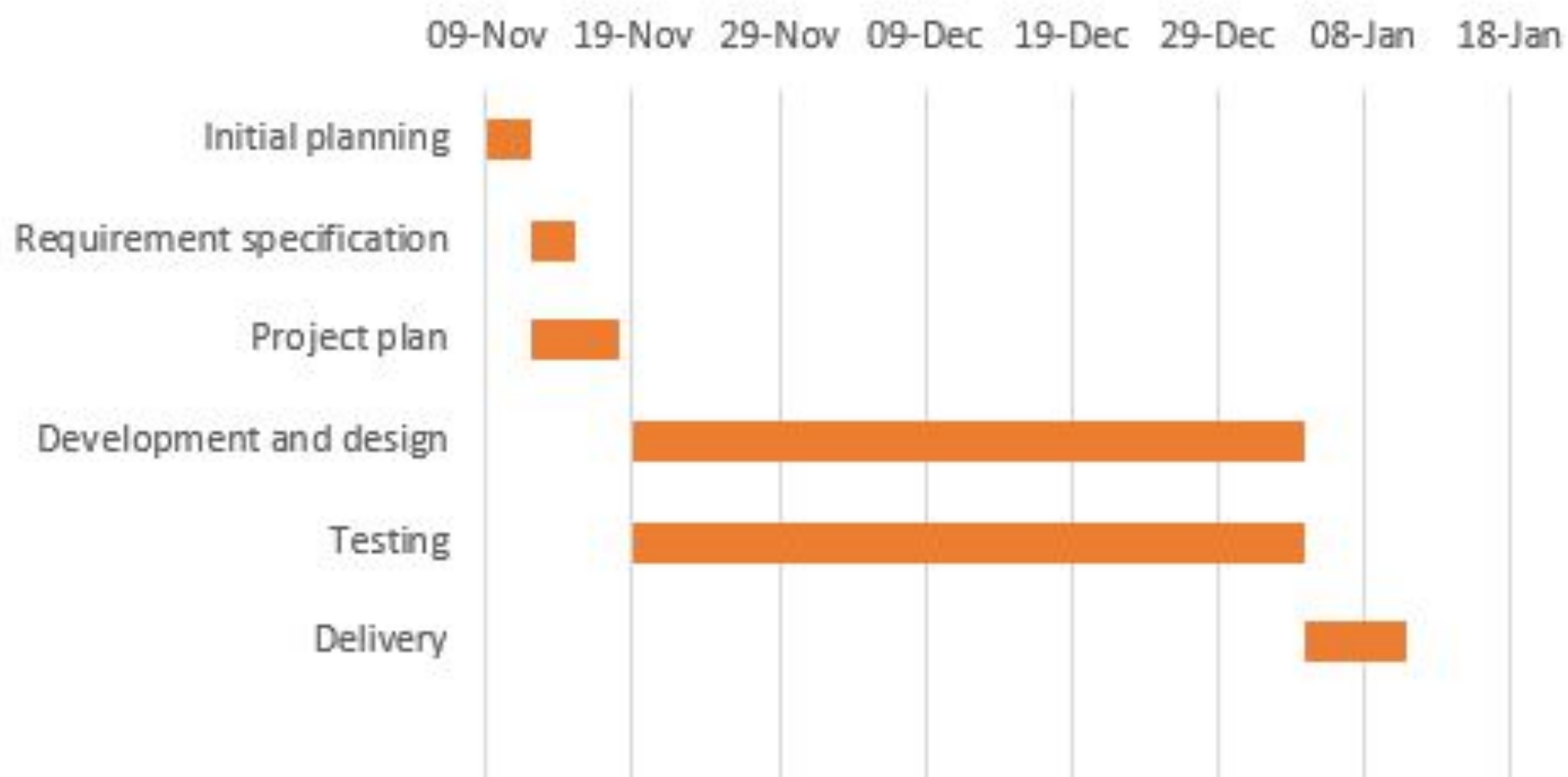
Work Organization

External Meetings				
Steering Group	Zoom, Emails	Weekly Monday	Project status, problems, risks, changed requirements, previous work, task to do.	Project Team Steering Group
Client Meeting	Zoom, Emails	During Development and when is needed. Final phase.	Requirements, Constrains.	Project Team Client Meeting

Roles and responsibilities

- Project Manager(Emil Larsson)
- Git Manager(Gunnar Andersson)
- Developers
 - (Sandra Eriksen)
 - (Ville Svensson)
 - (Gezim Cako)
 - (Johan Karlsson)
 - (Roland Plaka)

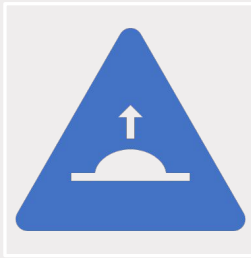
Project 5 Gantt-chart



Quality Assurance



Risk Management



Members of the team could have trouble managing the technologies due to the lack of experience with such technologies. It also may lead to longer development.



The requirements can change after the designing phase which turns us back into the previous phases and it takes time

Mitigation Strategy



THE TEAM MEMBERS SHOULD TRY
TO CONSIDER THEIR STRENGTHS
AND WEAKNESSES WHEN
SELECTING TASKS.



ASKING FOR ANY UNCLEAR
REQUIREMENTS AND CONSTANTLY