

# Scalability Expert – Cloud Engineering

## Purpose & Objectives

SAP Cloud ALM is a SaaS Solution comprised of a set of microservices built on Cloud native architecture using Java Spring, SAP Hana Cloud and SAP UI5 on SAP BTP. It uses certain frameworks and abstraction layers (like SAP Cloud SDK, Cloud Application Programming, etc.) written on top of Cloud Foundry.

SAP Cloud ALM has more than 9000 tenants and is expanding rapidly. We are establishing a project to test the scalability of SAP Cloud ALM with the expected load in future. This would involve simulating the future load, testing scalability and analyzing the results.

## Roles & Responsibilities

- Design and conduct scalability tests.
- Analyse the results, summarize the performance test and suggest next steps.
- Perform RCA and identify the bottle neck for any performance issue.
- Develop mock applications to simulate certain scalability test scenarios.
- Work closely with multiple teams to ensure the scalability goals are met.
- Find ways to evolve/develop the scalability test process for re-usability and automate them.

## Skills & Experience

- Engineering degree with 7+ years of experience
- Hands-on experience in performance and scalability tests. Good knowledge in load and stress testing tools.
- Strong knowledge of performance and reliability metrics of a Cloud service.
- Very good approach to do detailed root cause analysis.
- Strong experience in monitoring tools like Kibana, Dynatrace, etc.
- Scripting/Coding knowledge in either Java or NodeJS or both.
- Working knowledge of cloud applications based on SAP BTP Cloud Foundry.
- Knowledge in HANA Database Analysis and Kafka will be preferred.