

# Cloud Computing Applications and Services

(Aplicações e Serviços de Computação em Nuvem)

## Guide 5: Benchmarking

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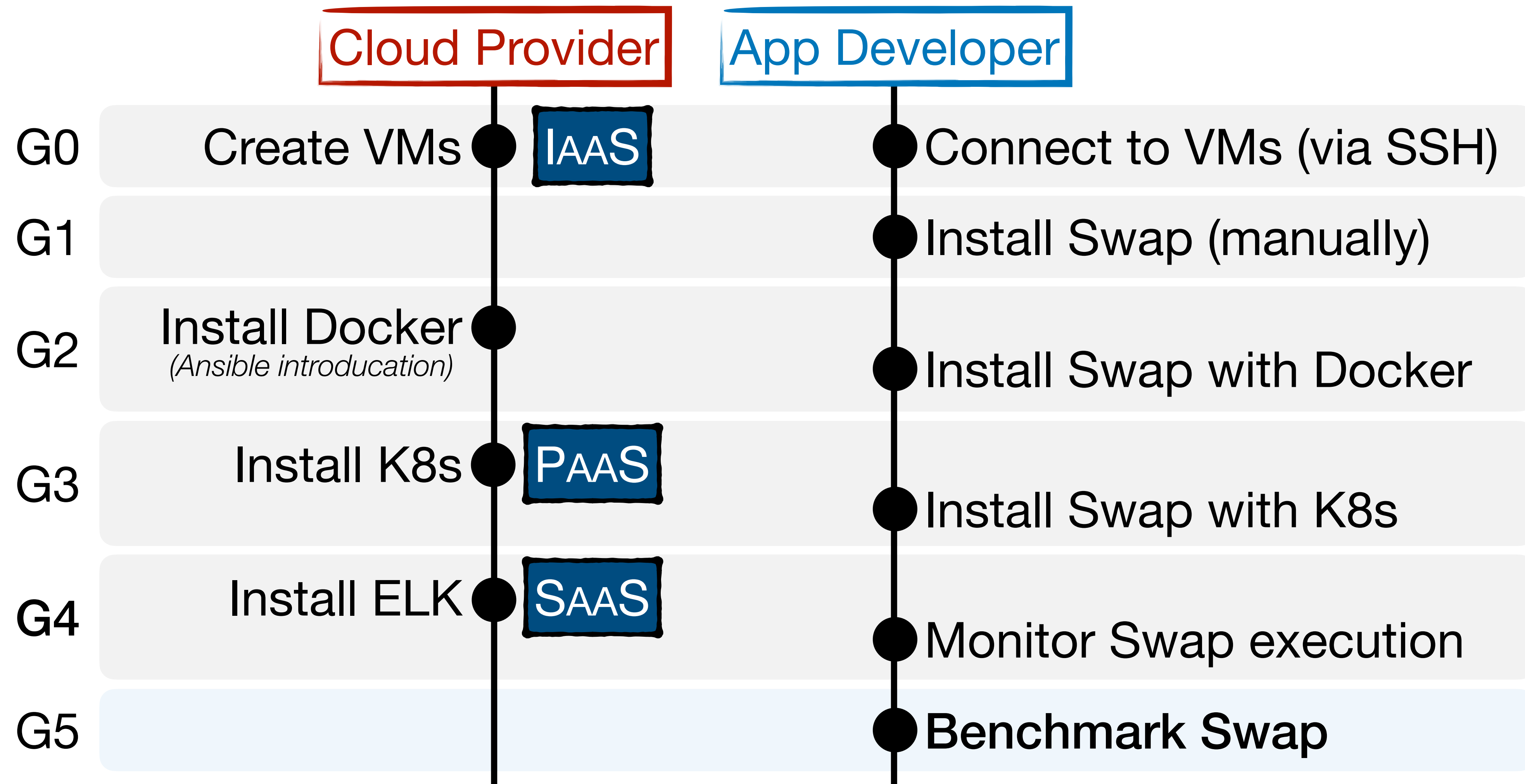


# Context

- In Guide 4, you used monitoring tools to observe Swap execution and resource consumption. However, there were no clients making requests to your application.
- What if you want to track the performance of your Swap deployment under different workloads (i.e., different number of client requests)?
- To address these challenges, you need to resort to **benchmarking tools**.

# Road Map

Where are you on the roadmap?



# Goal

App Developer

- In this Guide, you will use **Apache JMeter** to **benchmark** the Swap application and observe how it can handle different workloads.
- Along with the benchmarking tests, you will resort to the monitoring framework from the previous guide to observe the tests' impact on the resource consumption.



**Apache JMeter™** is an open-source Java application designed to perform performance, functional, and load testing of web applications.

# Goal

