

Cloud Computing Applications and Services

(Aplicações e Serviços de Computação em Nuvem)

Guide 1: Swap

University of Minho

2024-2025

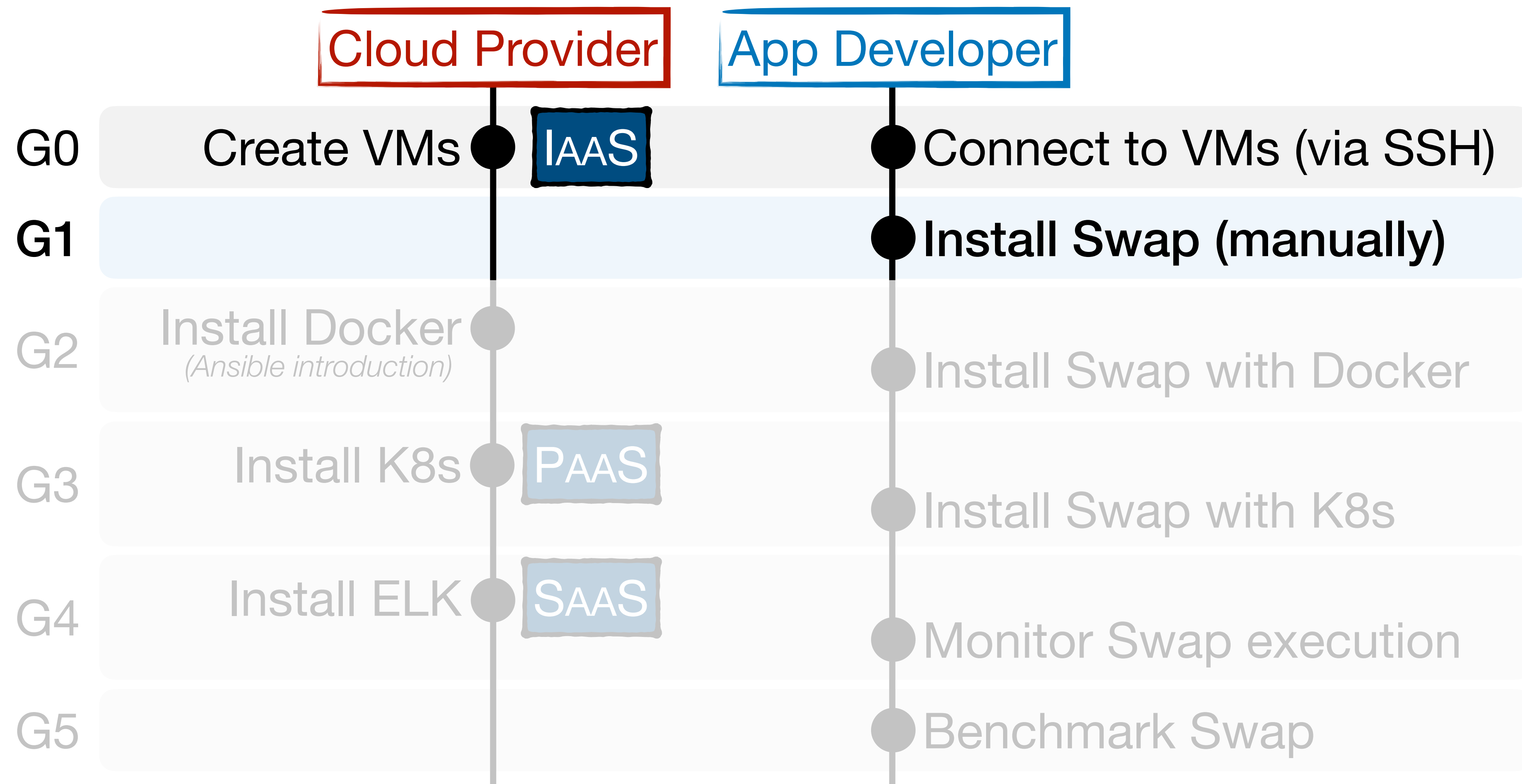


Context

- With “Guide 0”, you (as a *cloud provider*) have set up several VMs for potential cloud users.
- Now, how can an application developer use these VMs to install and deploy applications?
- The goal of this guide (as an *application developer*) is to install and configure a distributed application (**Swap**) on these VMs.

Road Map

Where are you on the roadmap?

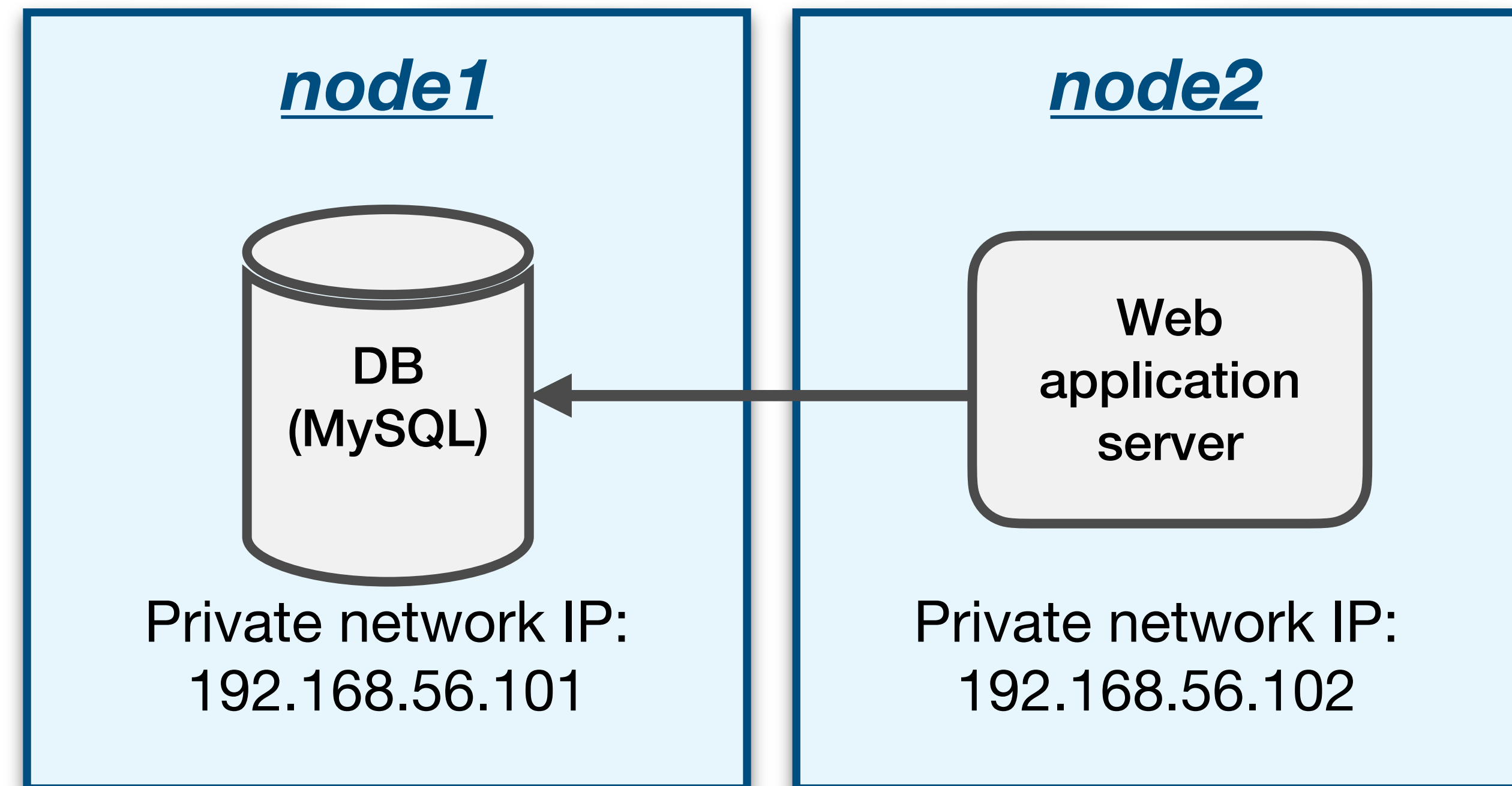


Goal

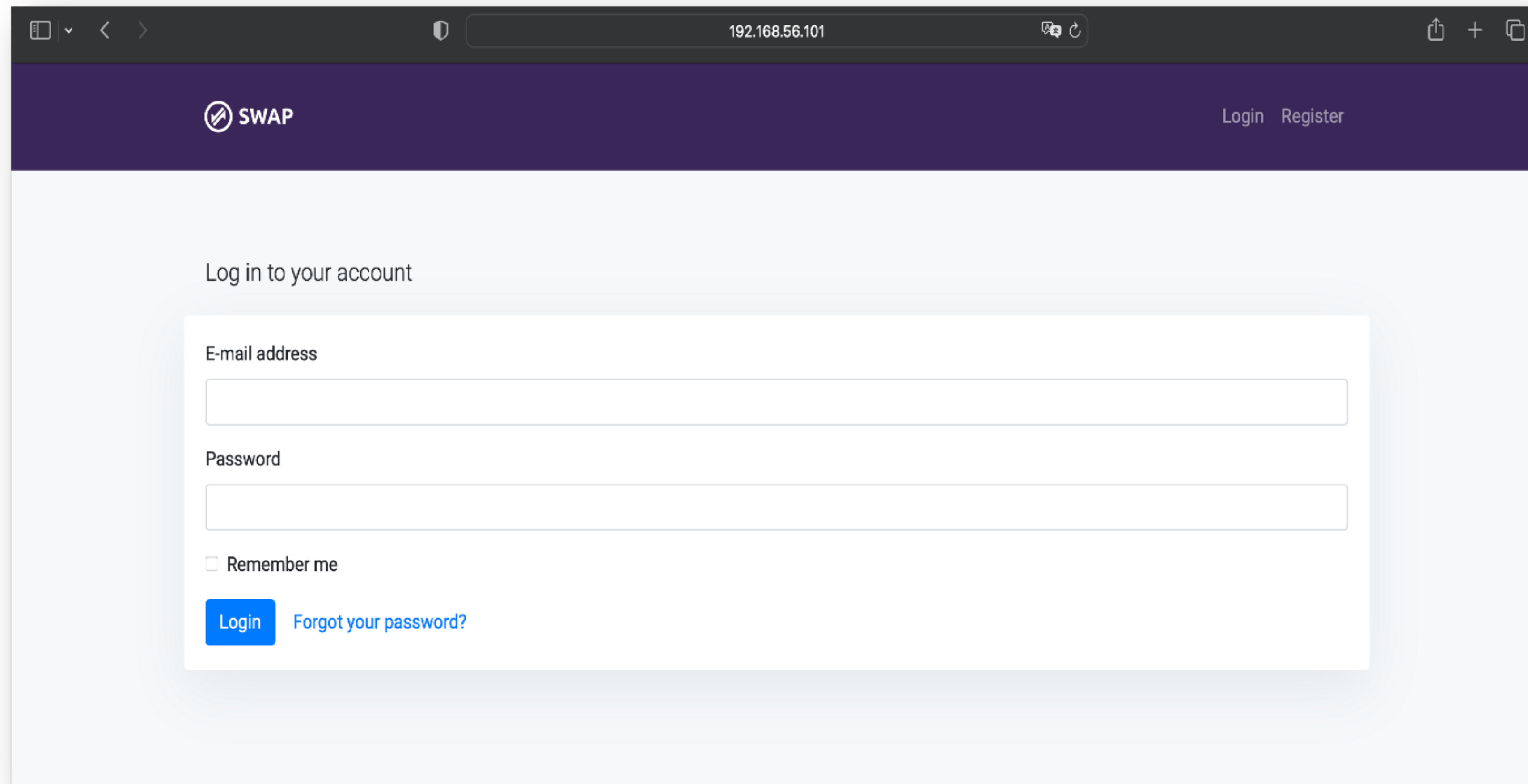
App Developer

● Install the Swap application

- Swap's database will run on *node1*
- Swap's web application server will run on *node2*



Swap: Basic Usage

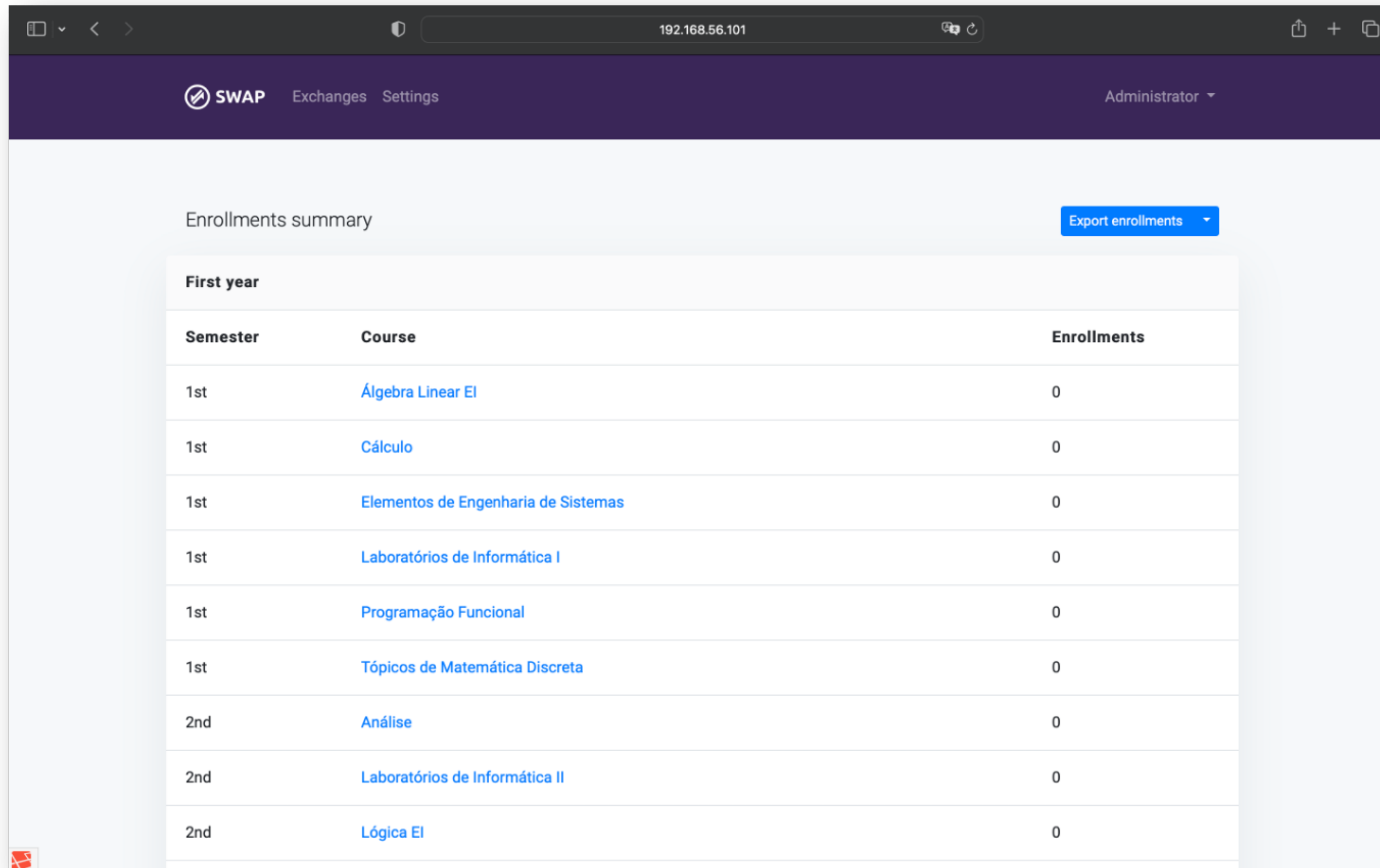


The screenshot shows a web browser window with the address bar displaying '192.168.56.101'. The page has a dark purple header with the 'SWAP' logo on the left and 'Login Register' links on the right. The main content area is light blue and contains the text 'Log in to your account'. Below this is a white login form with two input fields: 'E-mail address' and 'Password'. There is a 'Remember me' checkbox and a blue 'Login' button. A link 'Forgot your password?' is also present next to the login button.

Email address: contact@hackathonners.org

Password: "123456"

Swap: Basic Usage



Enrollments summary [Export enrollments](#)

| Semester | Course | Enrollments |
|----------|---|-------------|
| 1st | Álgebra Linear EI | 0 |
| 1st | Cálculo | 0 |
| 1st | Elementos de Engenharia de Sistemas | 0 |
| 1st | Laboratórios de Informática I | 0 |
| 1st | Programação Funcional | 0 |
| 1st | Tópicos de Matemática Discreta | 0 |
| 2nd | Análise | 0 |
| 2nd | Laboratórios de Informática II | 0 |
| 2nd | Lógica EI | 0 |

Swap: Advanced Deployment

