

# The RISER Project

RISER: RISC-V for cloud services

# Infrastructure as Code (IaC)

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# Agenda

- **What is Infrastructure as Code (IaC)**
- **Why IaC**
- **Tools**
- **Demo**
- **Q&A**

# What is Infrastructure as Code (IaC) (1)

**Infrastructure as Code** is a practice by where traditional infrastructure management techniques are supplemented and often replaced by using code based tools and software development techniques.

# What is Infrastructure as Code (IaC) (2)

## IaC workflow



# Why IaC

- faster execution
- error free
- extensibility
- idempotent
- cost effective

# Tools

- Terraform
- ARM Templates
- AWS CloudFormation
- Google Cloud Deployment Manager

# Demo

# Thank you!

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