16 APRILE 2021

VIRTUAL EVENT

#GLOBALAZURE ITALY 2021

Provision your Azure resources with Terraform

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@amelchiori

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managed/designs

il partner tecnologico per chi ha idee ambiziose. Innovazione pratica da 15 anni.

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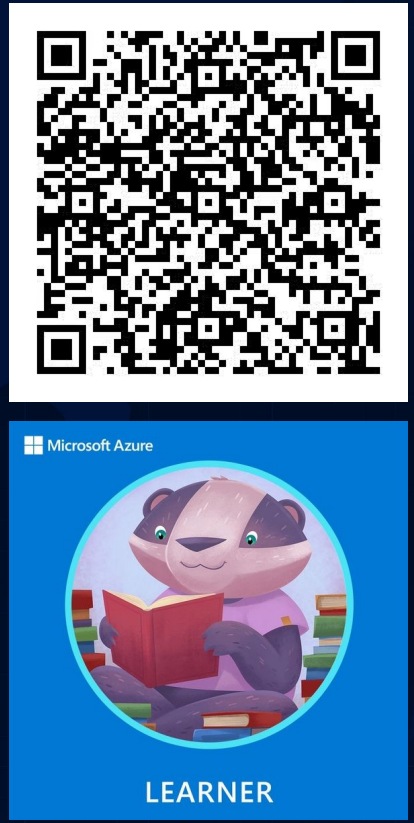
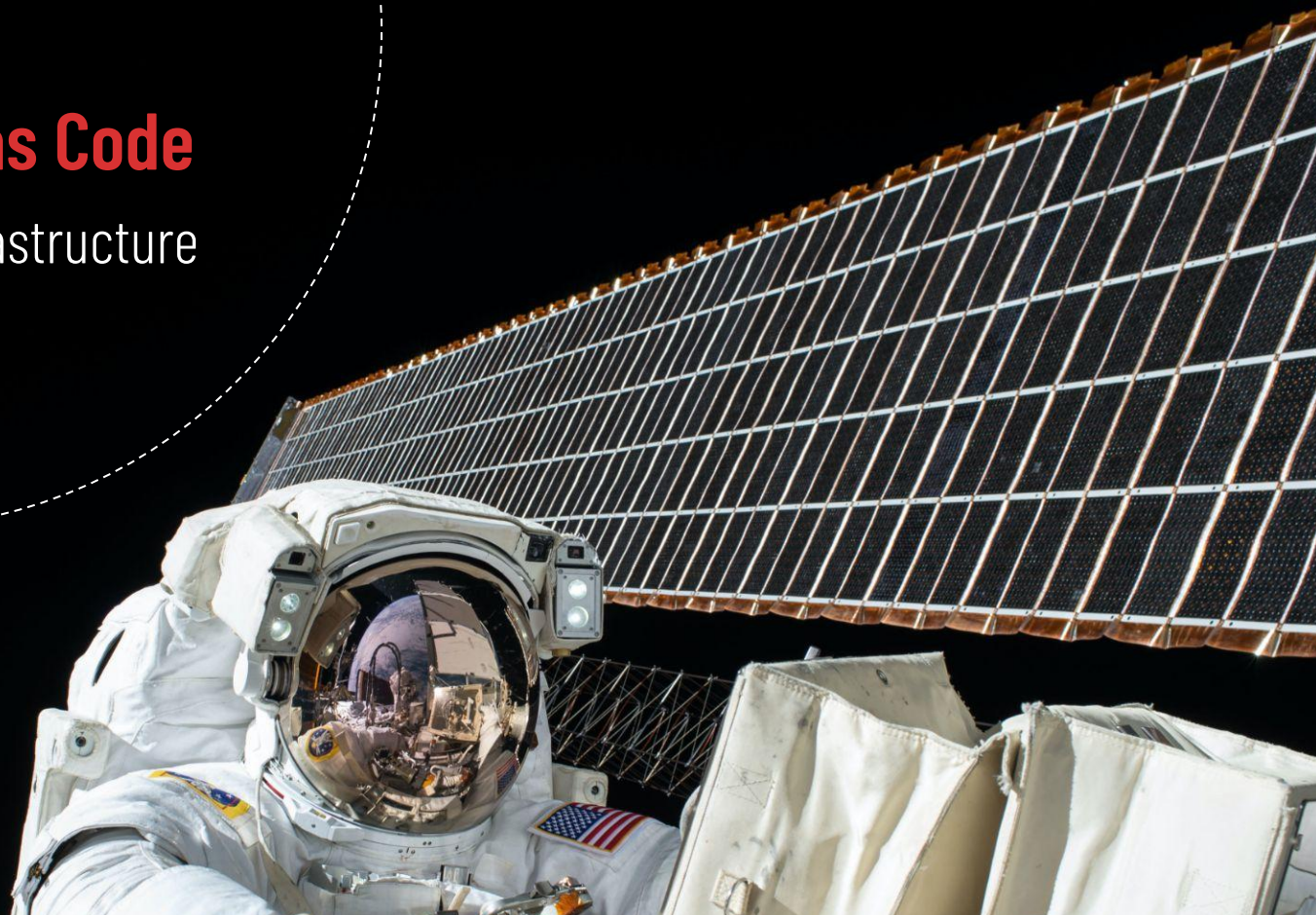


IaC

Infrastructure as Code

is about treating infrastructure as a software system



Infrastructure automation

based on practices from software development

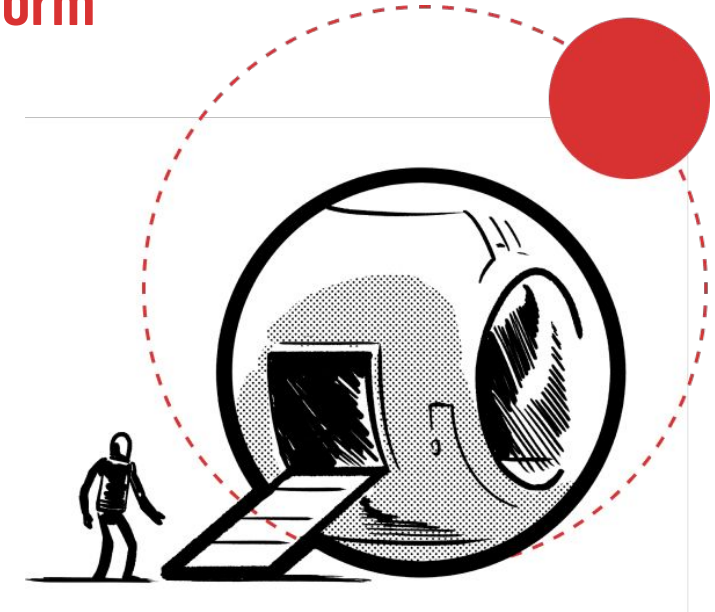
IaC is the concept of managing your operations environment in the same way you do applications or other code for general release

Consistent, repeatable routines for provisioning and changing systems and their configuration

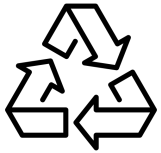
IaC itself is not sufficient.

IaC needs a Dynamic Infrastructure Platform

A **system** that provides computing resources, particularly servers, storage, and networking, in a way that they can be **programmatically allocated and managed**.

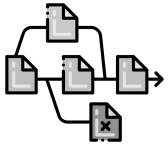


IaC Benefits

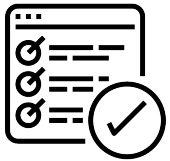


REUSE

AUTOMATION



VERSION CONTROL

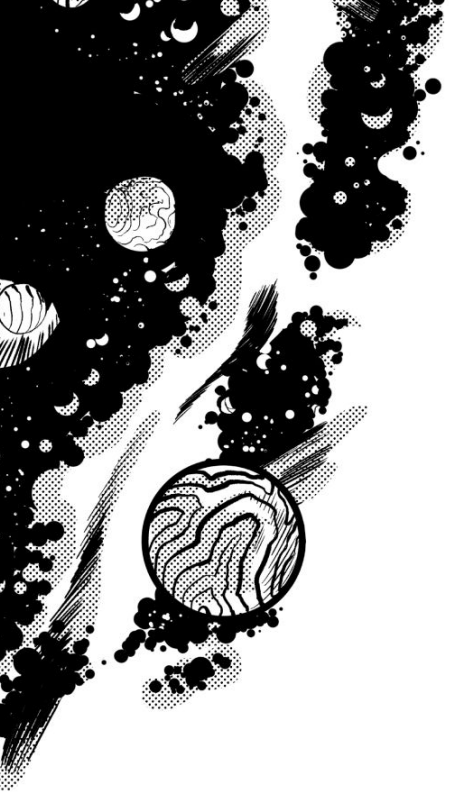


TESTING

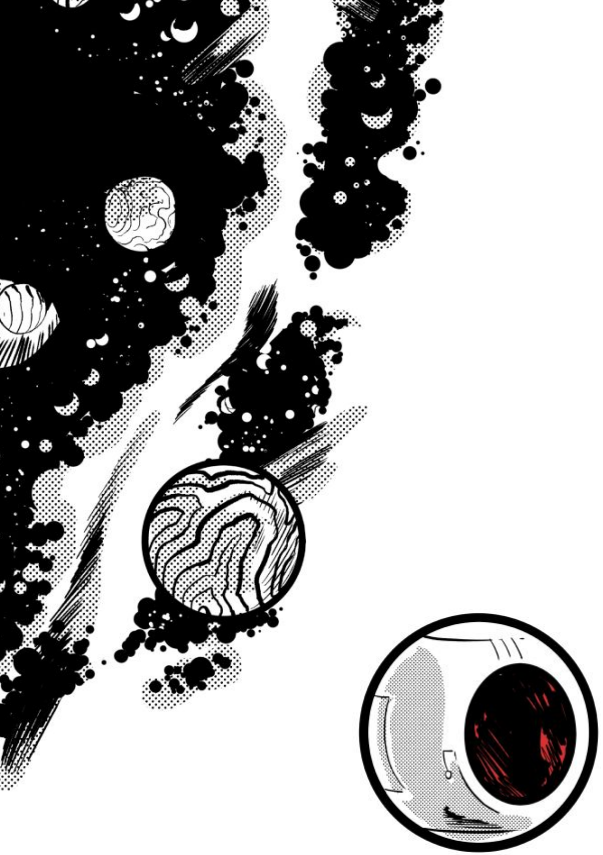
DOCUMENTATION

ENABLE COLLABORATION

Welcome
Terraform



Terraform is an infrastructure as code software by HashiCorp.



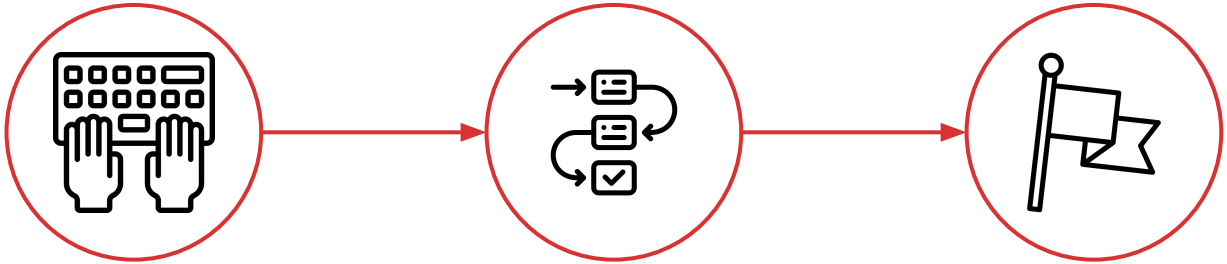
Terraform is an infrastructure as code software by HashiCorp.

Why?

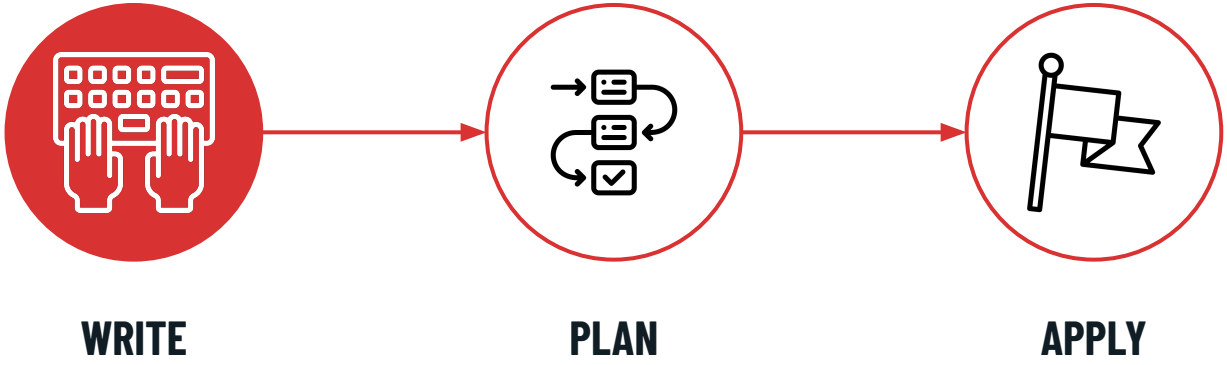
Open source
Cloud agnostic
Declarative style

How Terraform works

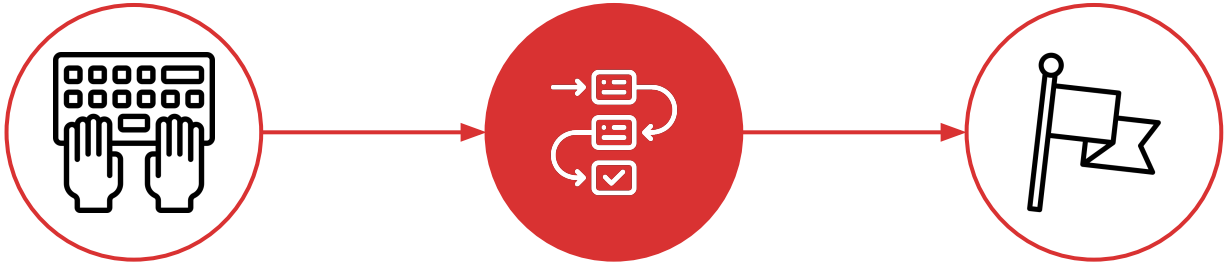
How Terraform works - Flow



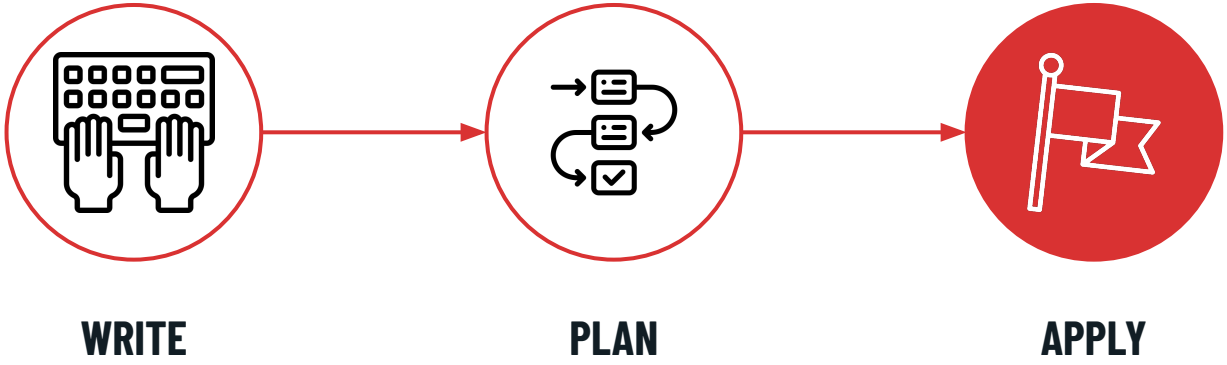
How Terraform works - WRITE



How Terraform works - PLAN



How Terraform works - APPLY



Demo

Terraform

Infrastructure as Code - **IAC**

Provision infrastructure using human and machine **readable code** (docs)

Code **workflow**

Change / Update infrastructure

Plan before apply

Reusability

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Grazie!

Photos by Nasa @ Unsplash

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