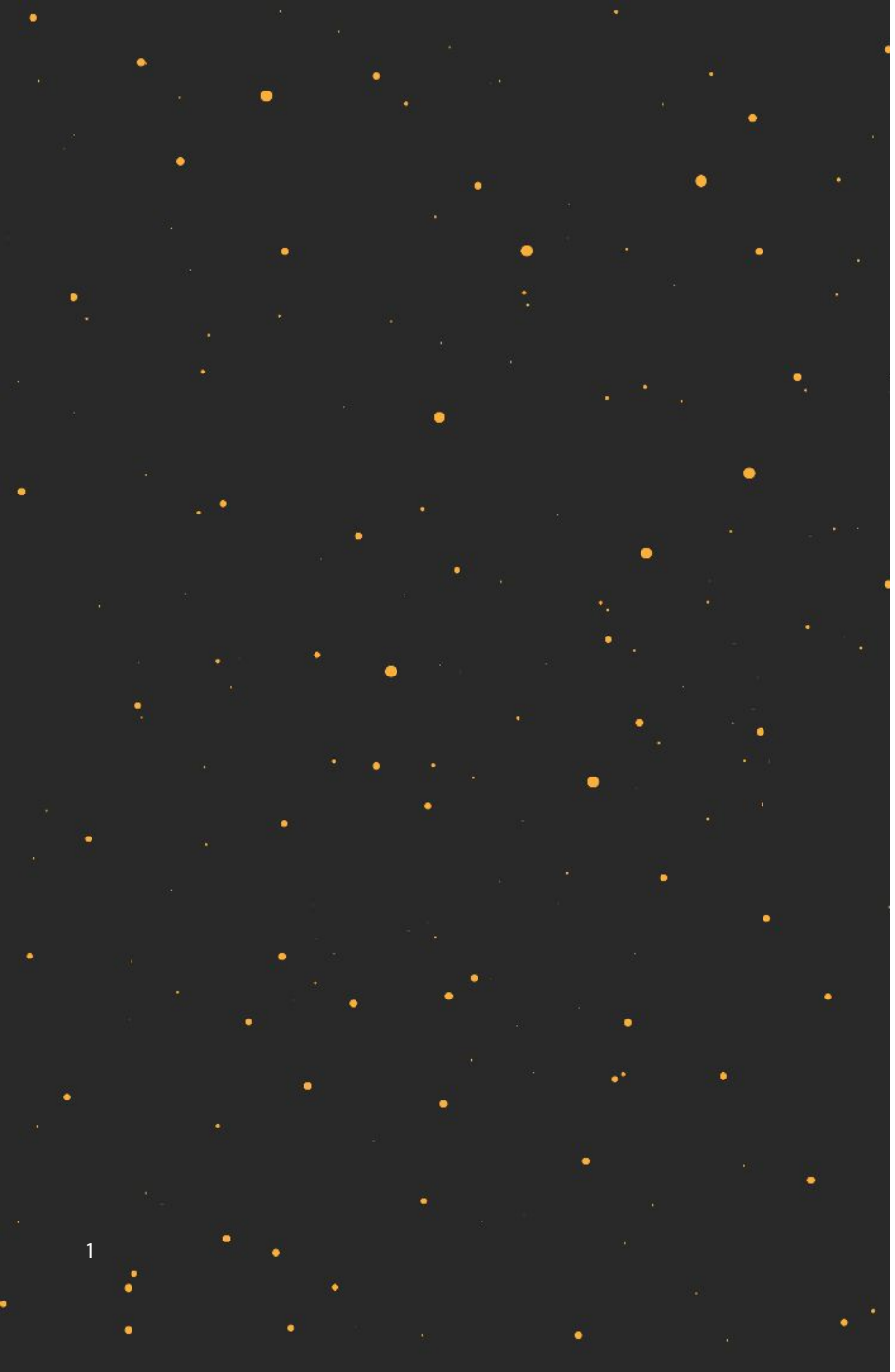


Enter Hyperspace with Golden Paths

A Hitchhiker's Guide to Developer Productivity

Josephine Pfeiffer
Consultant

Janina Sutter
DevX Specialist

FOREWORD

USEFUL INFO

DEMO

DON'T PANIC

GOLDEN PATHS

WHAT

WHY

HOW

WHERE

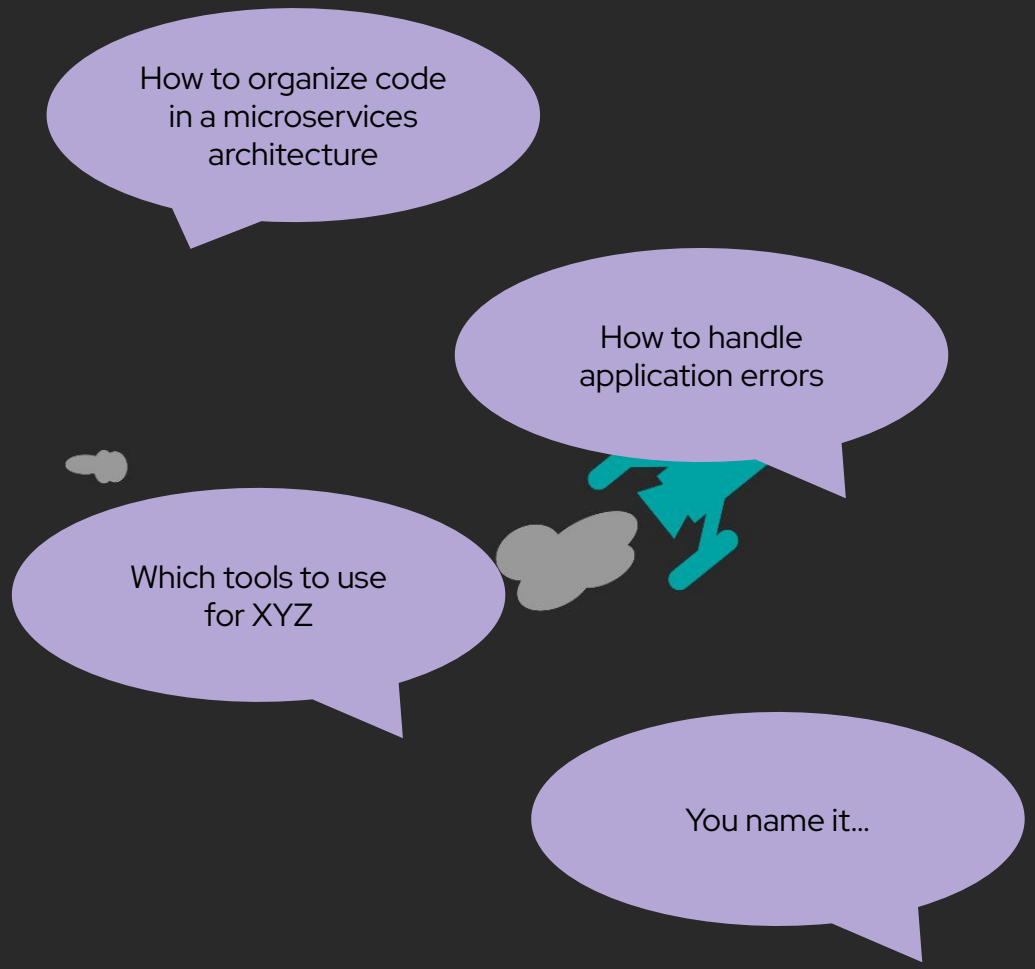
WHEN

WHO

USEFUL INFO

GOLDEN PATHS

WHAT IS IT ?



Golden Paths are a prescribed **practice** that guides Developers and Engineers through the most efficient and effective way to accomplish common tasks.

Software Templates is pre-defined **code /configurations** that allow an implementation of Golden Paths in an automated manner.

USEFUL INFO

SOFTWARE TEMPLATES

WHAT IS IT ?

Automatic provisioning of integrated database

Automatic creation of compliant git project

Automatic creation of CI/CD pipeline with built-in security

You name it...

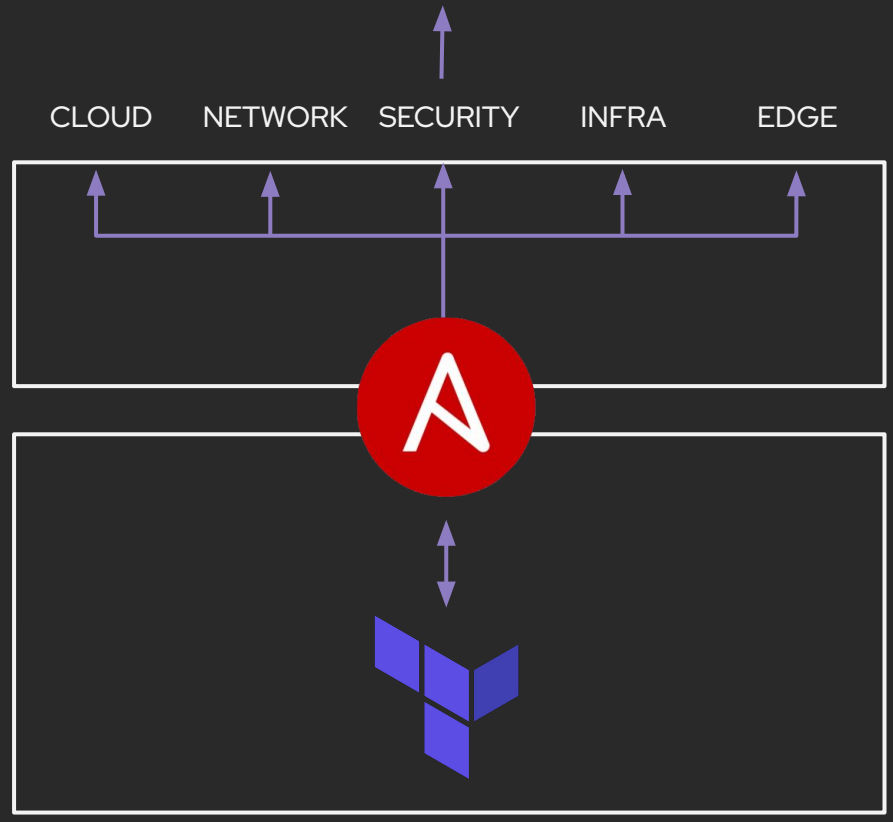
...

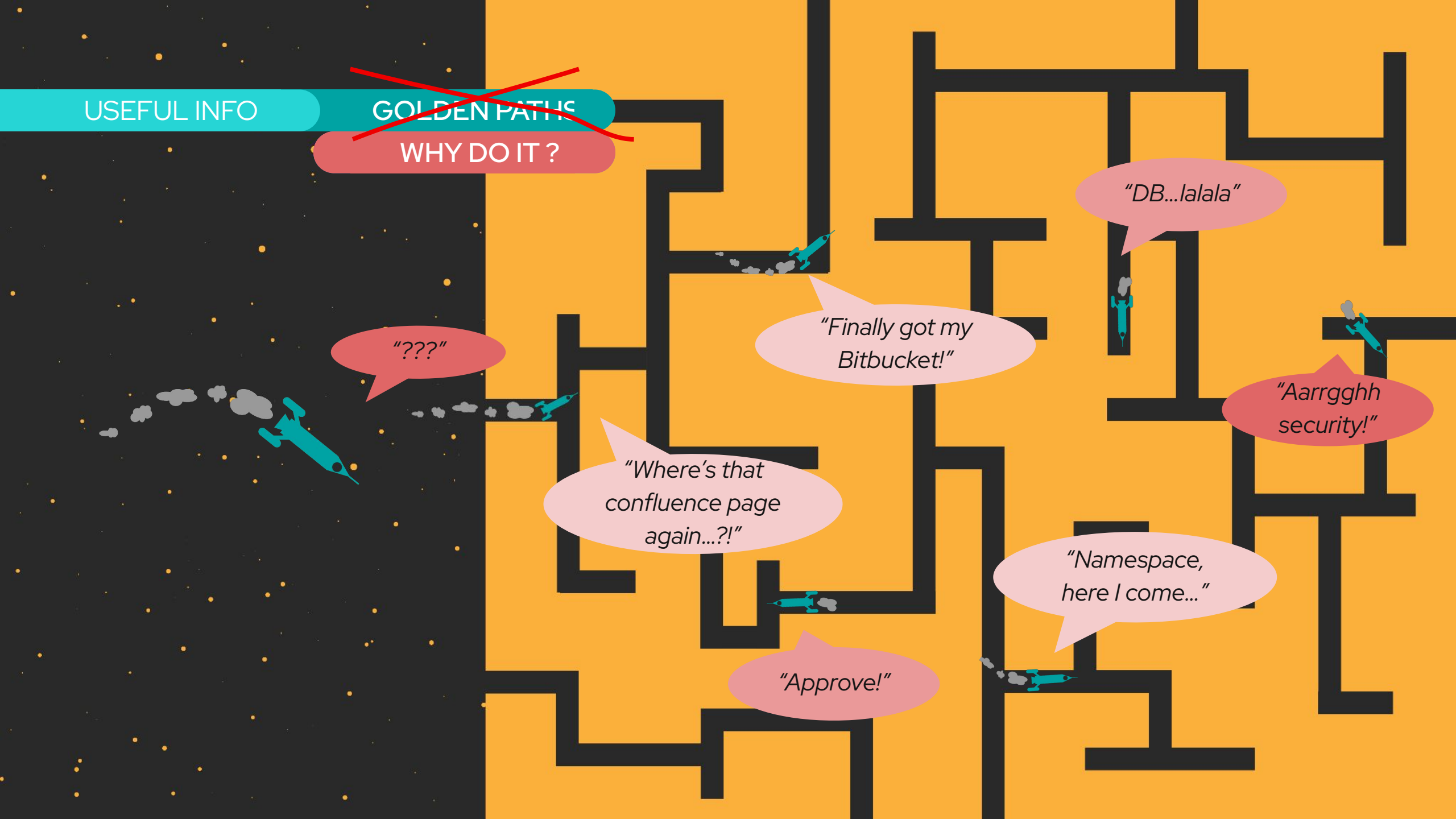
BOILERPLATE CODE

POLICIES AND COMPLIANCE CHECKS

PRE-CONF BUILD SYSTEMS

DEFAULT DEPENDENCIES




USEFUL INFO
GOLDEN PATHS
WHY DO IT ?
"???"
"Finally got my Bitbucket!"
"DB...lalala"
"Aarrgghh security!"
"Where's that confluence page again...?!"
"Namespace, here I come..."
"Approve!"

USEFUL INFO

~~GOLDEN PATHS~~

WHY DO IT ?

Infinite Improbability Loop
Time lost on repetitive tasks

Cognitive Overload
Added infra and security load

Configuration Drift
Repetition fatigue introduces errors

"I'm British. I know how to queue."

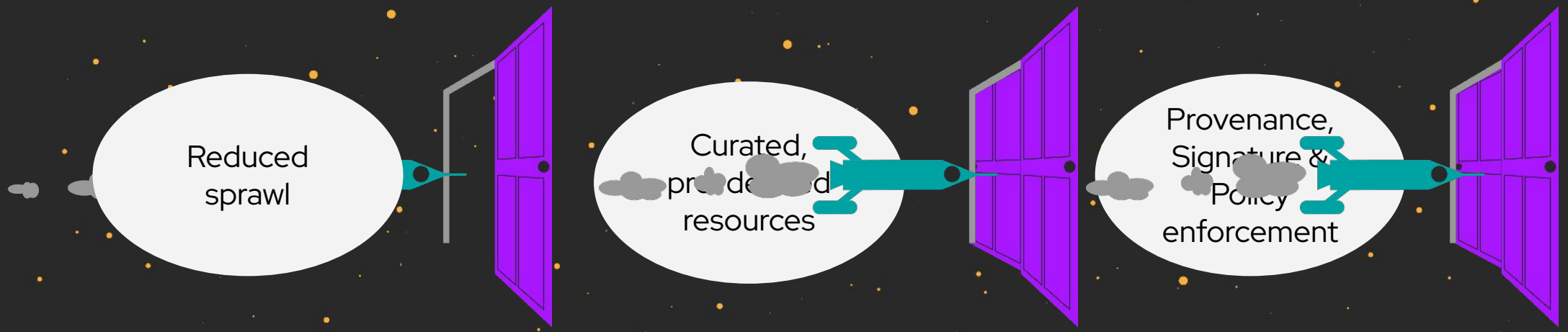
"Who are we waiting for again?"

"Does that happen every time?!"

USEFUL INFO

GOLDEN PATHS

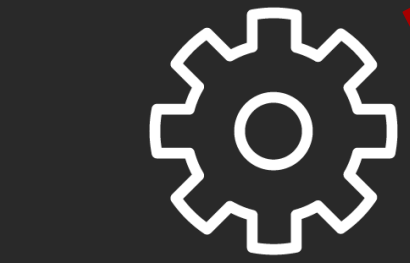
WHY DO IT ?

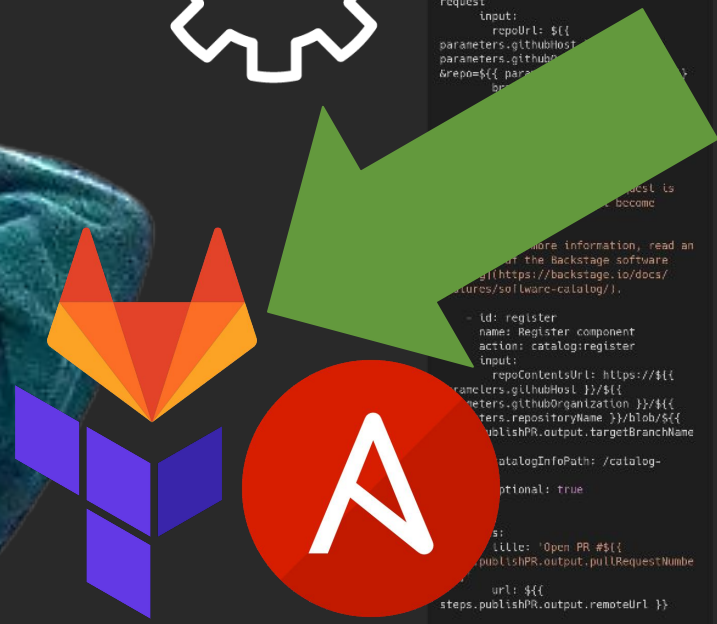


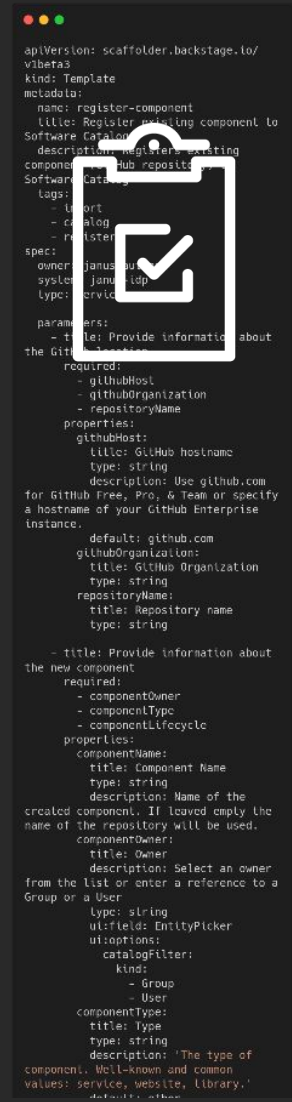
USEFUL INFO

GOLDEN PATHS

HOW TO ?







DEMO

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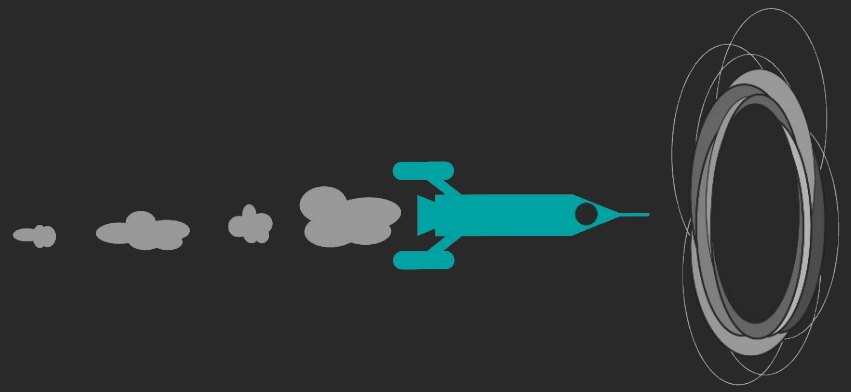
USEFUL INFO

GOLDEN PATHS

PITFALLS



The Galaxy Moves

Templates need lifecycling

Culture Endures

Templates are a user product

USEFUL INFO

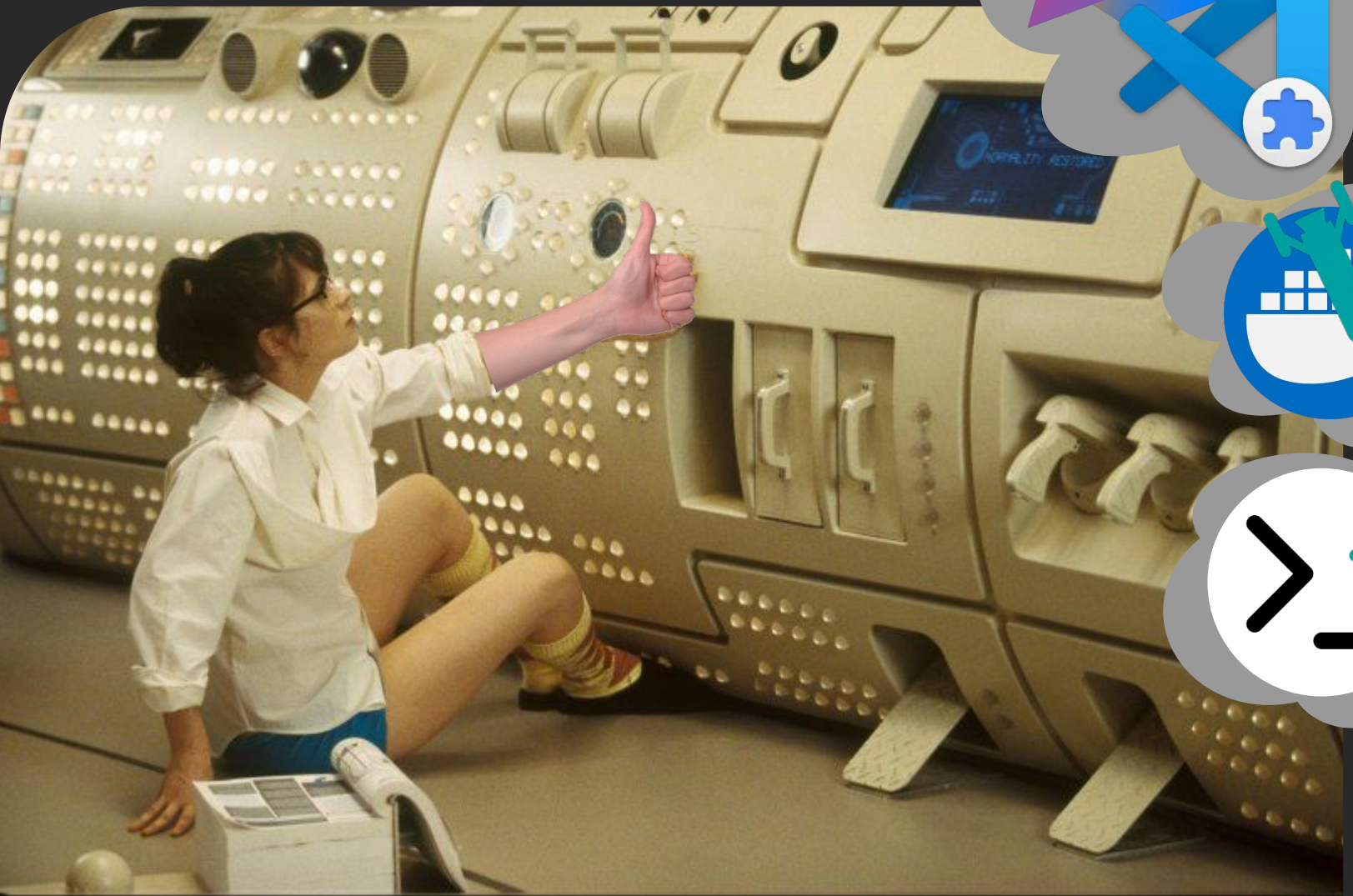
CHANGE

RESISTANCE

USEFUL INFO

GOLDEN PATHS

HOW TO ?



```yaml
schemaVersion: 2.3.0
metadata:
  generateNme: terraform-dev
  version: 1.0.0
  description: A devfile for Terraform development and testing.
  projectType: Infrastructure-as-Code
  language: HCL
  provider: Open Source
  tags: ['Terraform', 'IaC']
  displayName: Terraform Development Environment
  icon: https://www.terraform.io/assets/images/og-image-8b3e4f7d.png
attributes:
  .vscode/extensions.json: |
    {
      "recommendations": [
        "hashicorp.terraform"
      ]
    }
  .che/che-theia-plugins.yaml: |
    - id: hashicorp/terraform/latest

components:
  - name: terraform-tools
    container:
      image: quay.io/pfeifferj/tfdev:latest
      memoryLimit: 512Mi
      cpuLimit: "1"
      mountSources: true
      volumeMounts:
        - name: terraform-data
          path: /workspace

  - name: terraform-data
    volume:
      size: 1Gi
      ephemeral: true

commands:
  - id: terraform-init
    exec:
      component: terraform-tools
      commandLine: "terraform init"
      workingDir: /workspace
      group:
        kind: build
        isDefault: true

  - id: terraform-plan
    exec:
      component: terraform-tools
      commandLine: "terraform plan"
      workingDir: /workspace
      group:
        kind: build
        isDefault: false

  - id: terraform-apply
    exec:
      component: terraform-tools
      commandLine: "terraform apply -auto-approve"
      workingDir: /workspace
      group:
        kind: build
        isDefault: false

  - id: terraform-lint
    exec:
      component: terraform-tools
      commandLine: "tflint"
      workingDir: /workspace
      group:
        kind: build
        isDefault: false

  - id: generate-docs
```

DEMO

</>

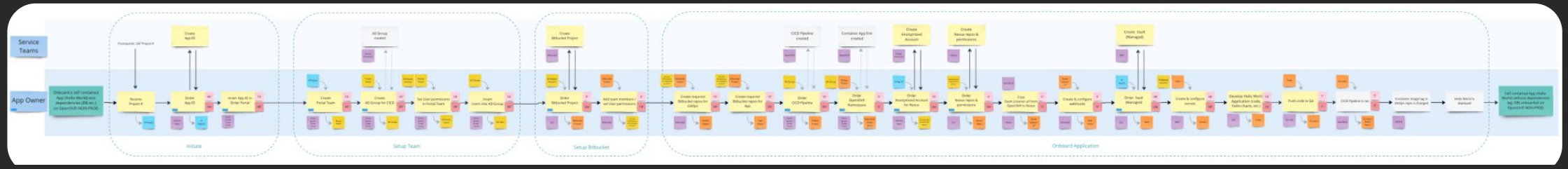
USEFUL INFO

GOLDEN PATHS

HOW TO ?

Data driven

User centric



Manual Tasks
20

Different Order Portals
4

Different Accounts
5

Lead Time
50 Work Days

USEFUL INFO

GOLDEN PATHS

HOW TO ?

- Data driven
- User centric

WHO ?

- Product Team
- \+ InnerSourcing

WHERE ?

- Place of birth = IDE
- Natural habitat = IDP / Repo

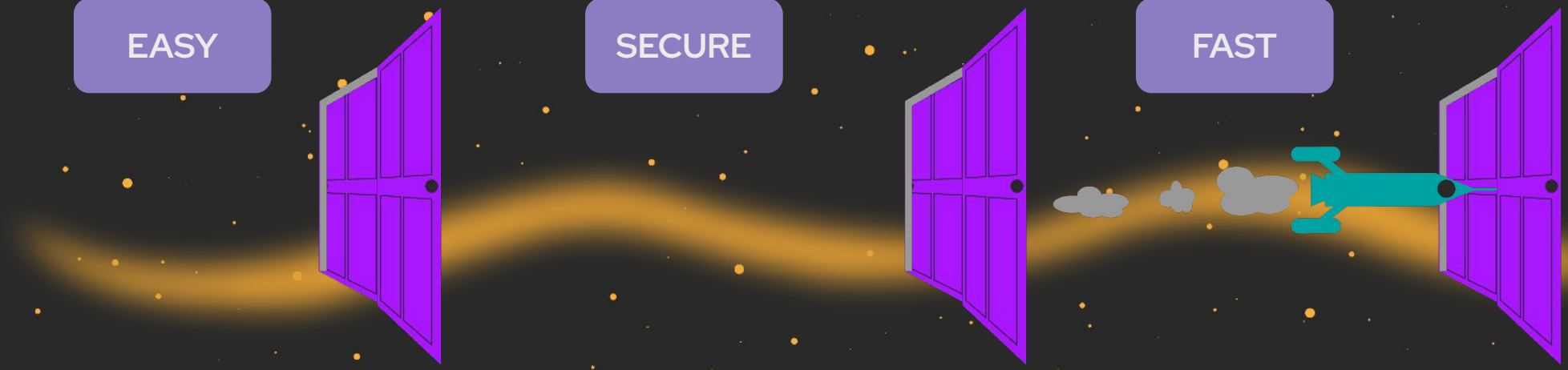
WHEN ?

USEFUL INFO | GOLDEN PATHS

EASY

SECURE

FAST



Beware of

LCM

CULTURE

DON’T PANIC

QUESTIONS ?

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