

# Platform Engineering

Tim Stokes

**Dev**

**Ops**

Dev. 

Ops

Dev



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# Dev



# Ops



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# Dev

# Ops

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Dev

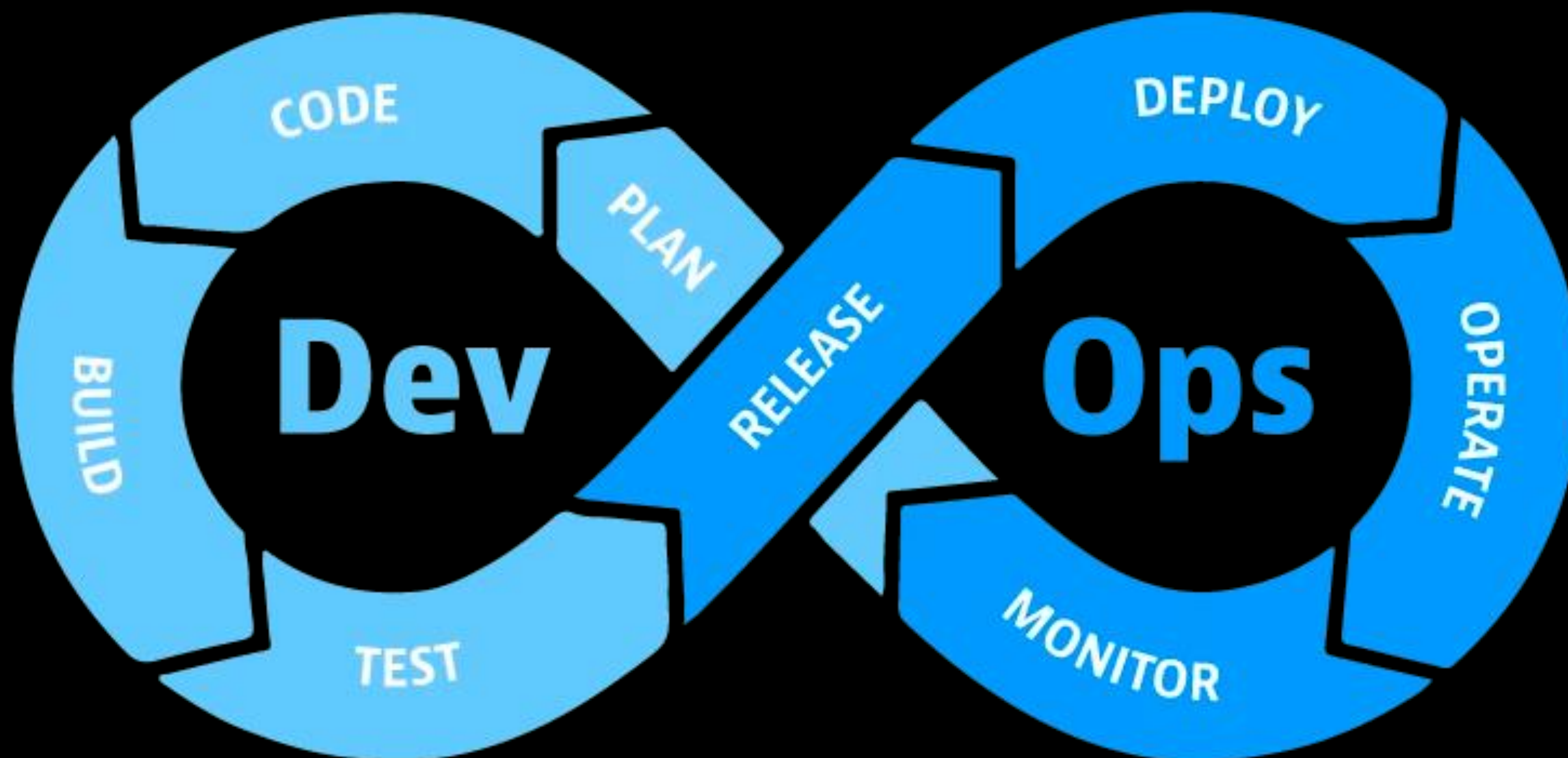
Ops

**Dev**

**Ops**

# DevOps





# DevOps

# DevOps



**What about the  
requirements of  
deploying change,  
availability and  
stability?**

**What if we  
approach those  
requirements  
like any other?  
Codify them!**



# DevOps

**What about the  
requirements of  
deploying change,  
availability and  
stability?**

# DevOps

**Think holistically  
about things.**

# DevOps

DevSecOps

# DevOps



# DevOps

**Look for  
Commonality.**



# A Uniform Interface

# A Uniform Interface

URI → [https://en.wikipedia.org/wiki/Uniform\\_Resource\\_Identifier](https://en.wikipedia.org/wiki/Uniform_Resource_Identifier)

# A Uniform Interface

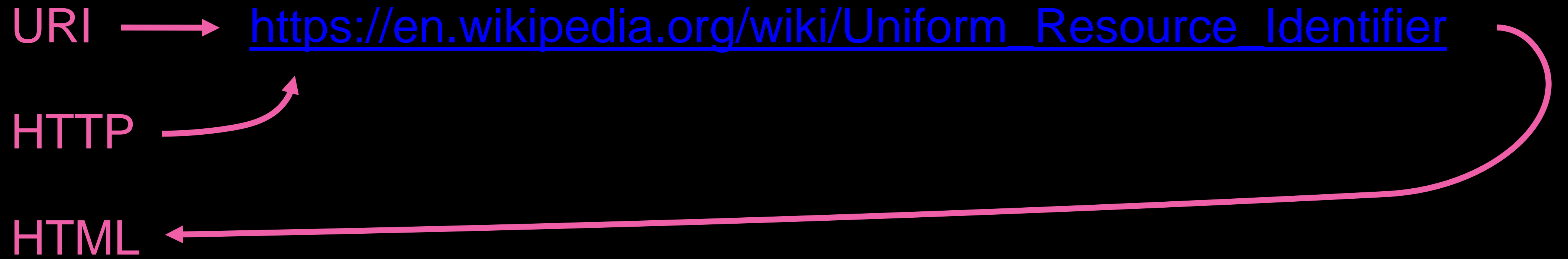
URI → [https://en.wikipedia.org/wiki/Uniform\\_Resource\\_Identifier](https://en.wikipedia.org/wiki/Uniform_Resource_Identifier)  
HTTP ↗

# A Uniform Interface

URI → [https://en.wikipedia.org/wiki/Uniform\\_Resource\\_Identifier](https://en.wikipedia.org/wiki/Uniform_Resource_Identifier)

HTTP

HTML

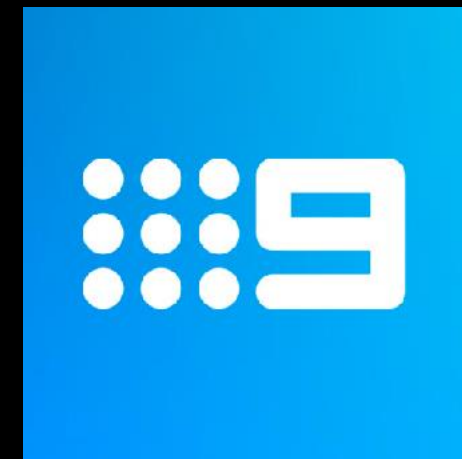


# A Uniform Interface

URI

HTTP

HTML



# A Uniform Interface

URI

HTTP

HTML





# A Uniform Interface





# A Uniform Interface



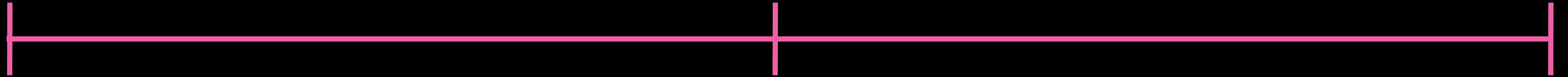


# A Uniform Interface





# DevOps Interfaces



**Less Constraints**

**More Constraints**

# DevOps Interfaces

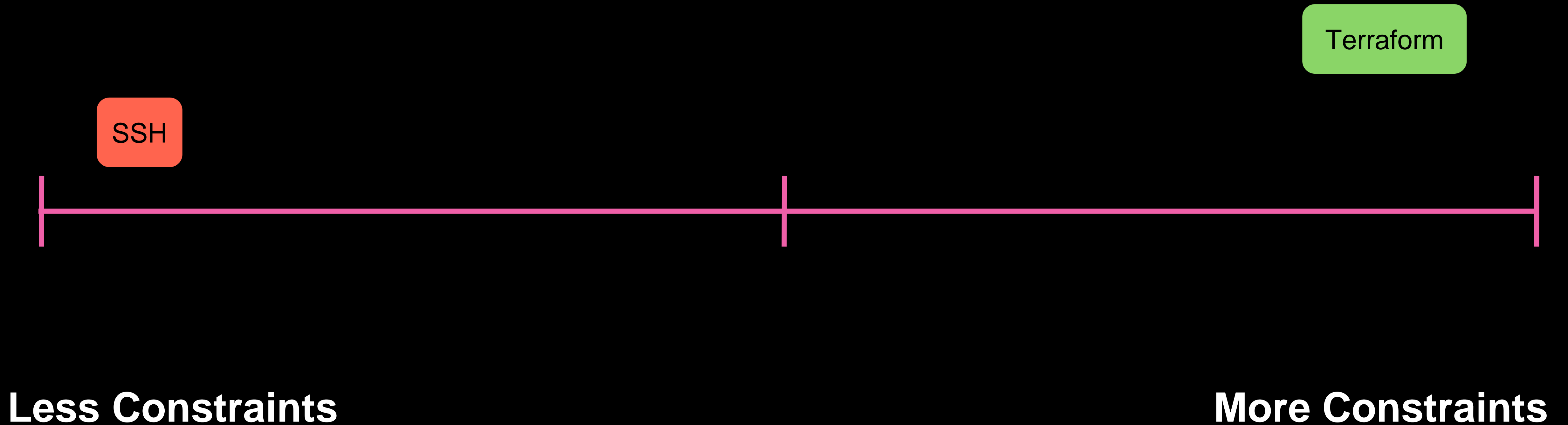


SSH

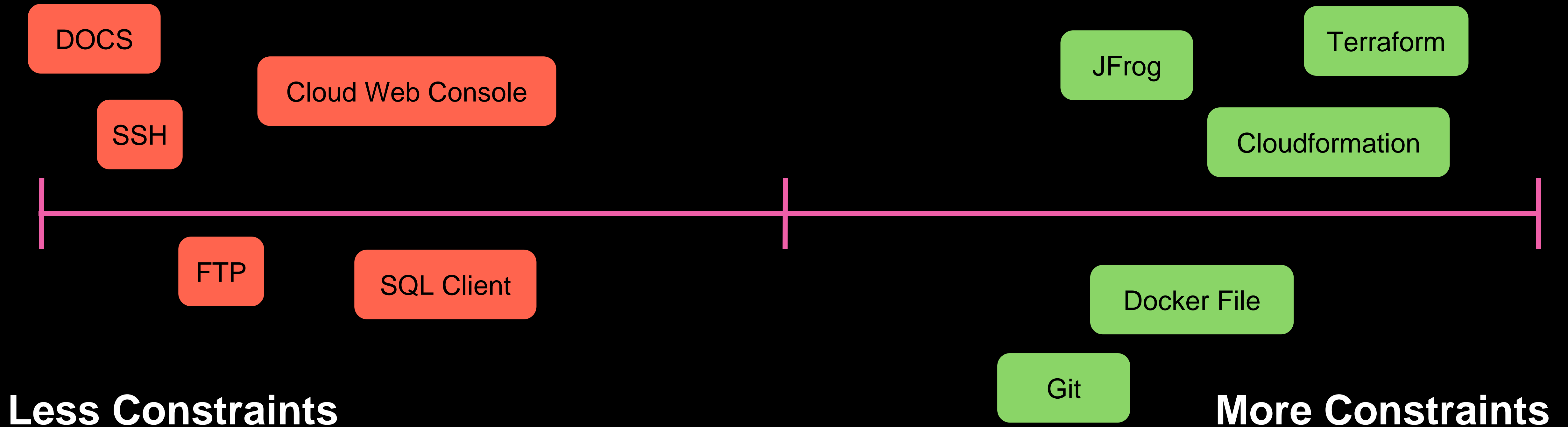
Less Constraints

More Constraints

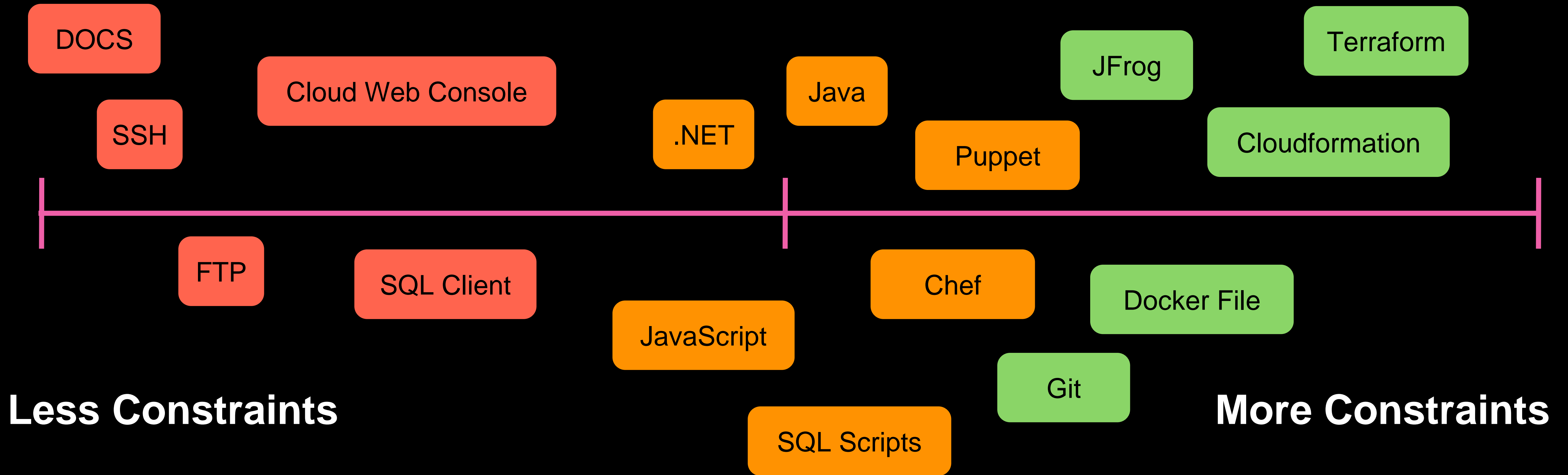
# DevOps Interfaces



# DevOps Interfaces

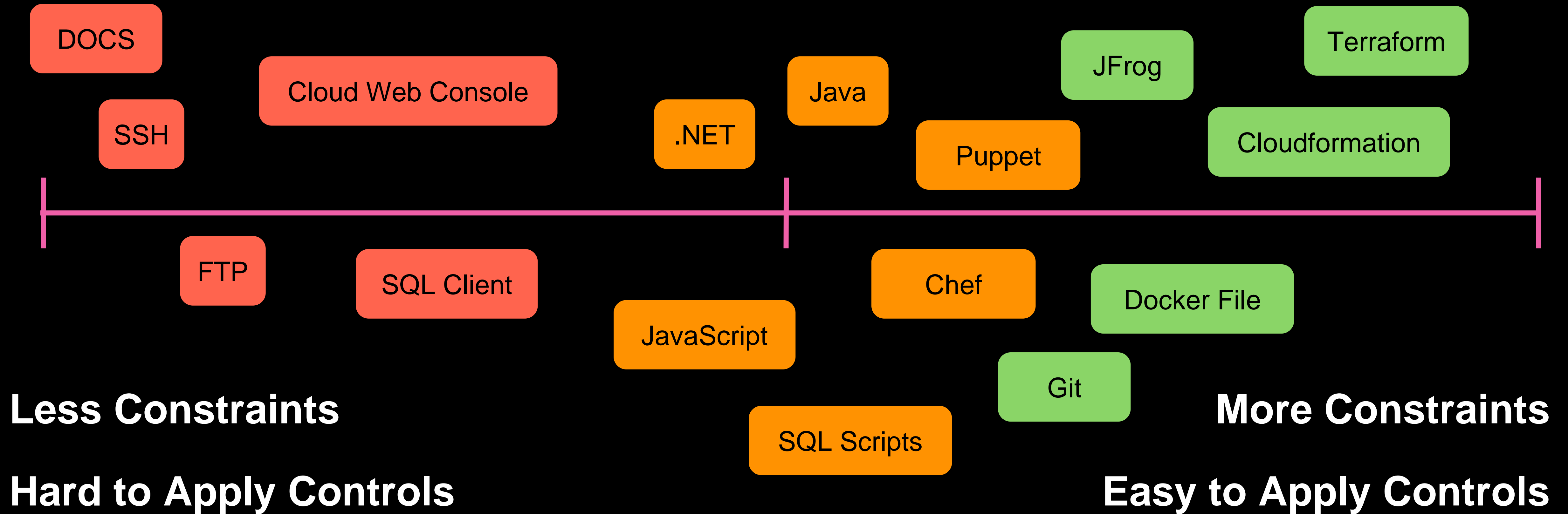


# DevOps Interfaces

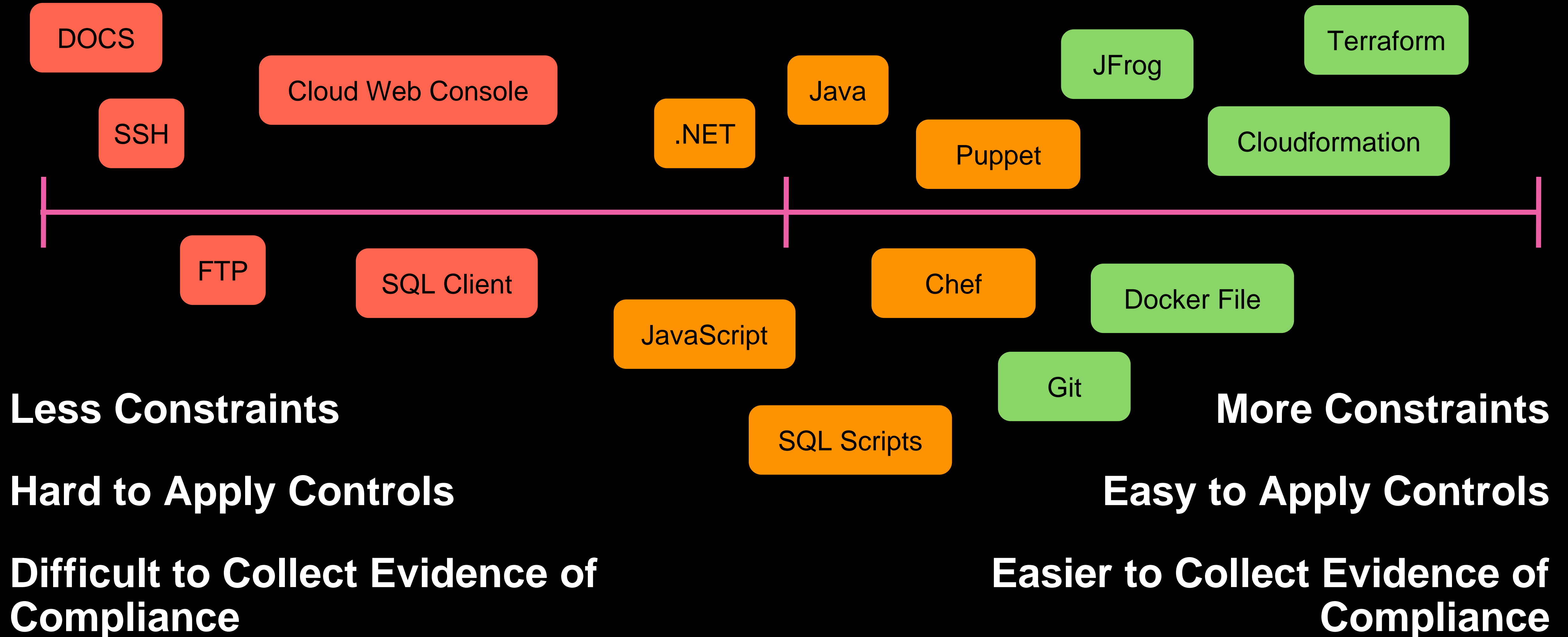




# DevOps Interfaces



# DevOps Interfaces



# DevOps

**Define a common  
Toolchain.**



# DevOps

**Define a common  
Toolchain.**

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# DevOps

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# DevOps

**Define a common  
Toolchain.**

# Platform Engineering



# Platform Engineering

Principles

# Platform Engineering



Policies

Principles

# Platform Engineering

Practices

Policies

Principles

# Platform Engineering



Tools

Practices

Policies

Principles

# Platform Engineering

Platform

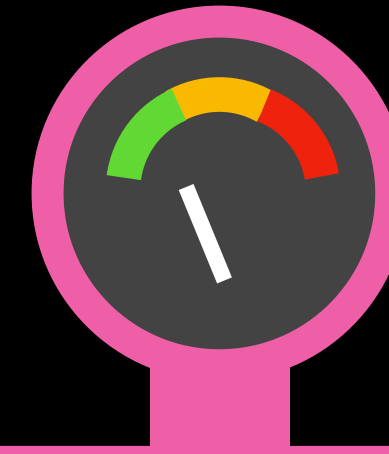
Tools

Practices

Policies

Principles

# Platform Engineering



Platform

Tools

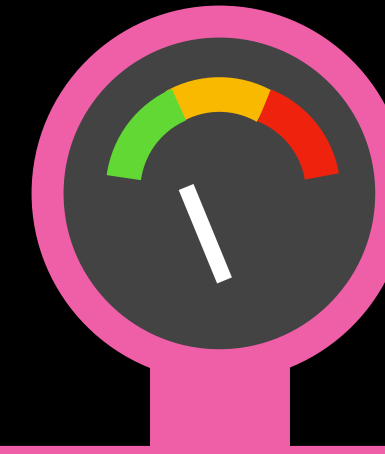
Practices

Policies

Principles

# Platform Engineering

Source Code



Target

Platform

# Platform Engineering

## Source Code

Java (Maven)

Terraform

Python

Platform



## Target

AWS

JSFrog

OnPrem K8s



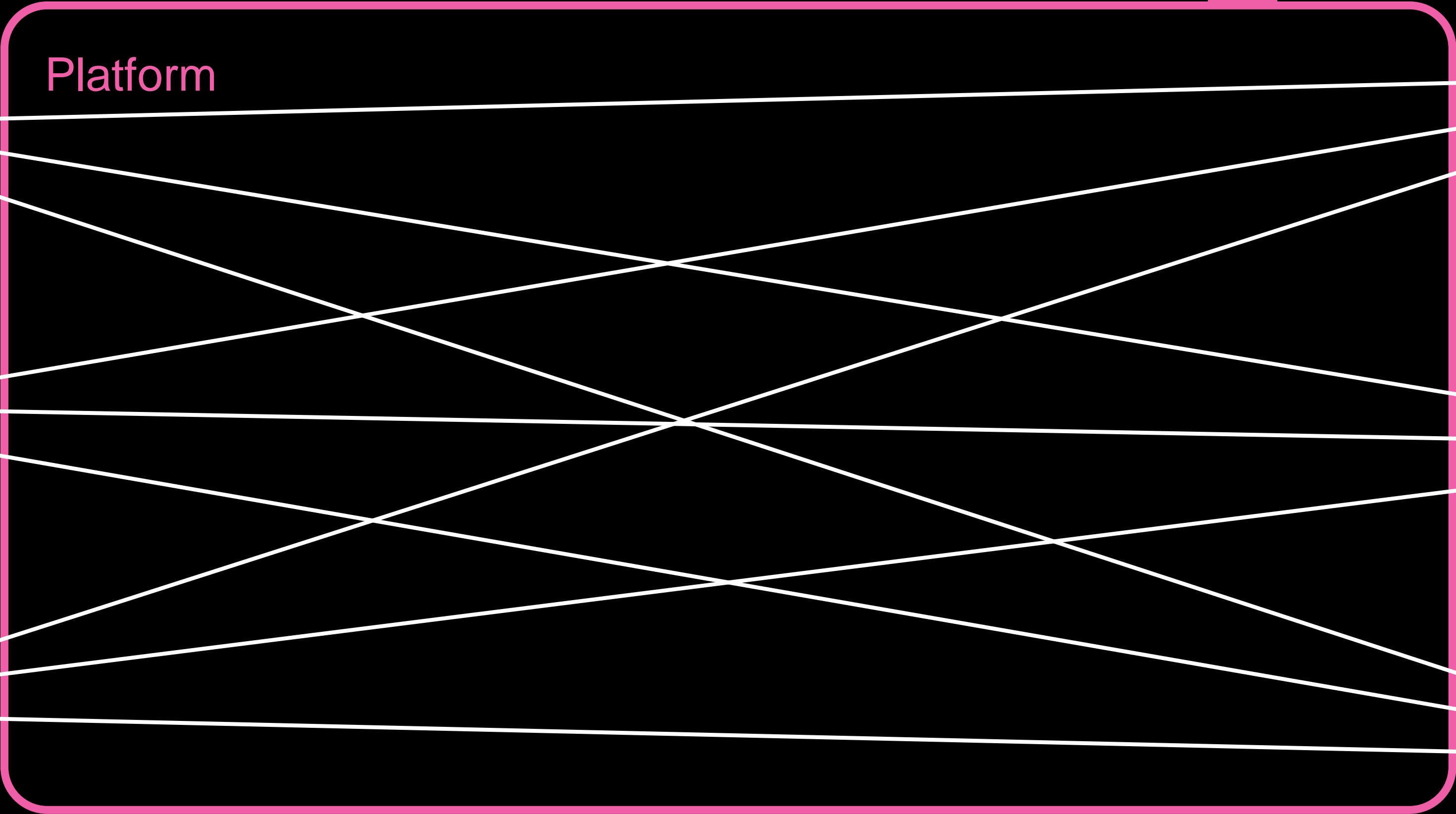
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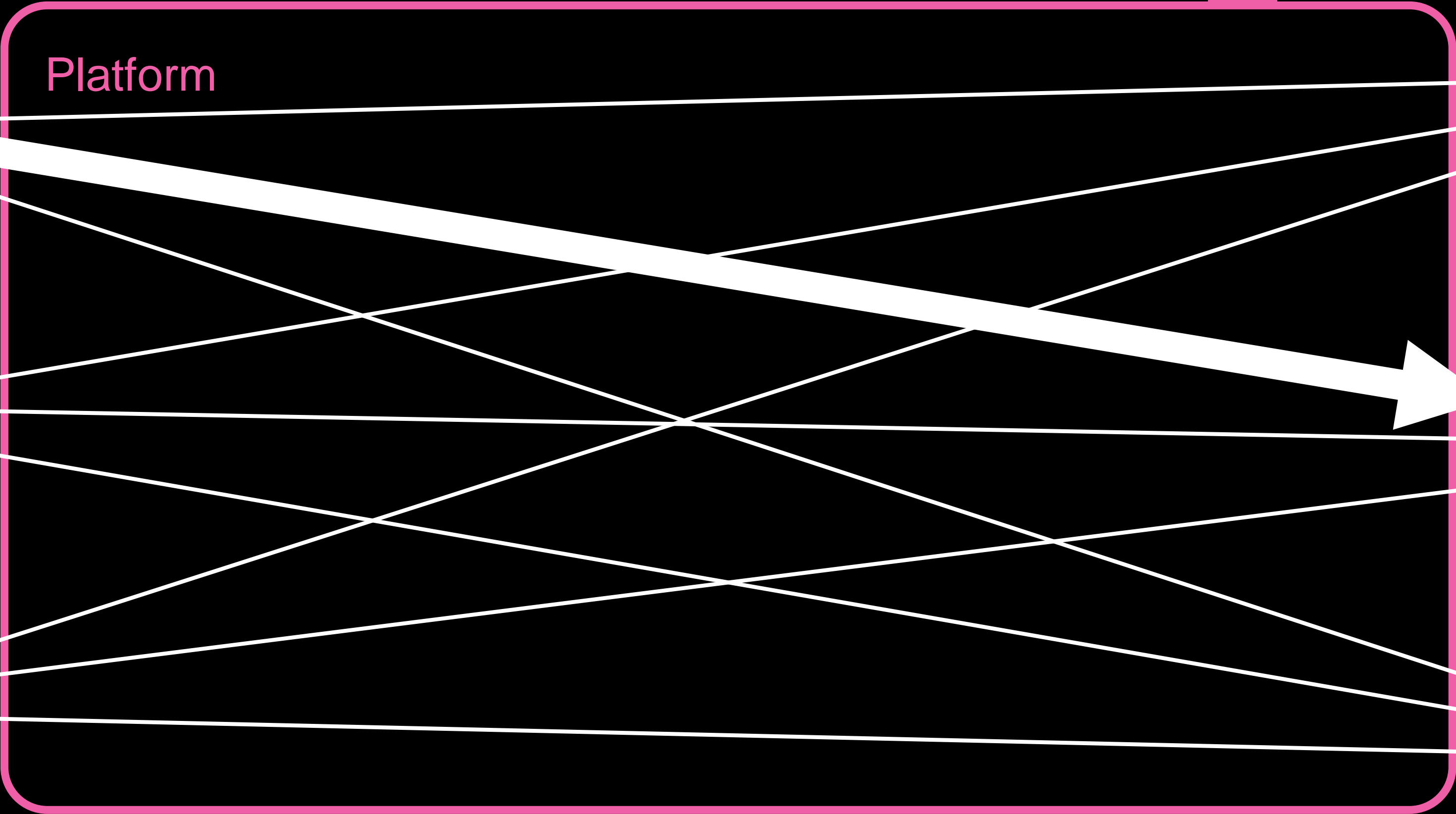
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AWS

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Static Code Analysis, Test Harness, Code Coverage, Scanning, Dependency Scanning, etc..

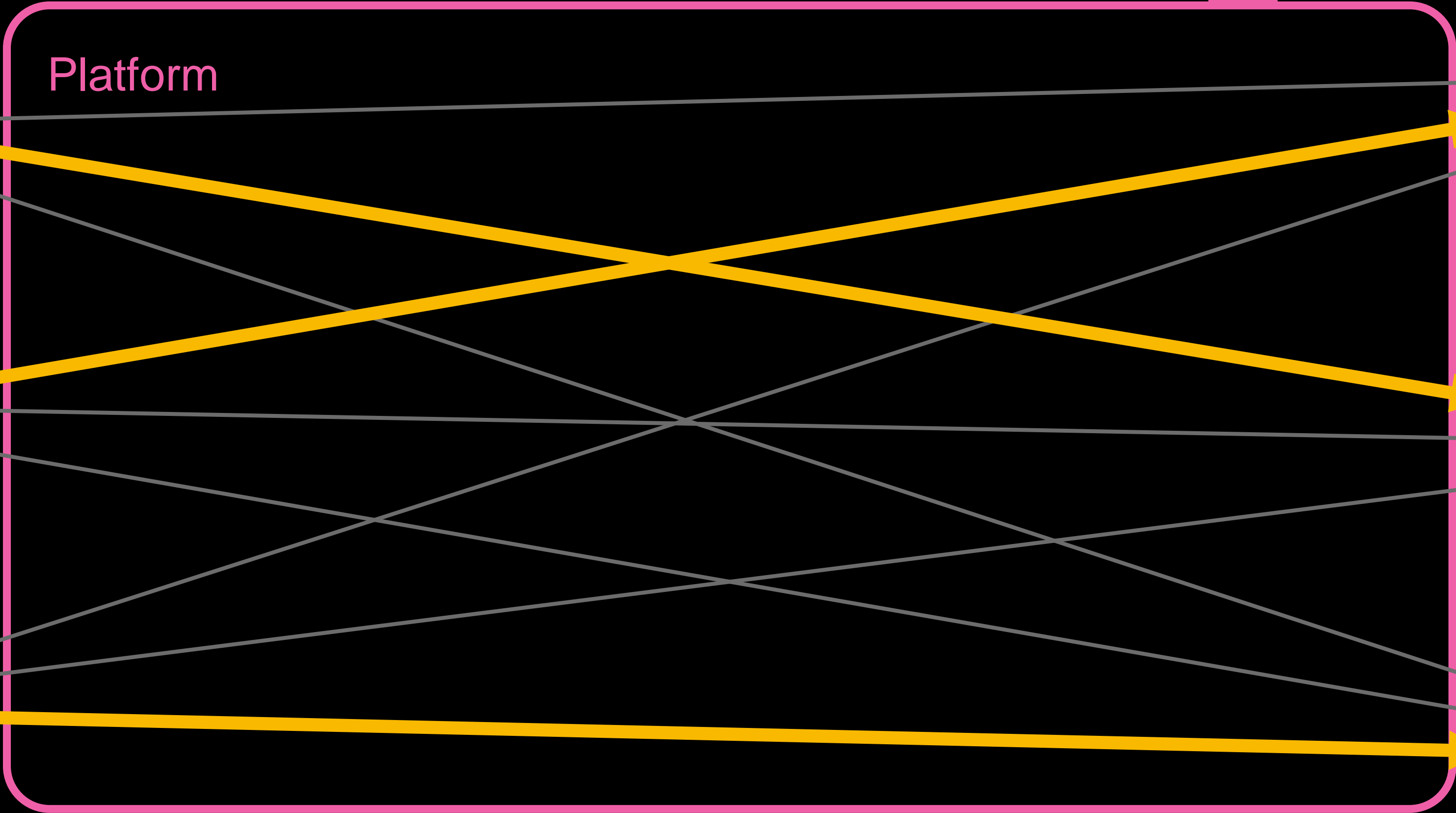
# Platform Engineering

Source Code

Java (Maven)

Terraform

Python



Target

AWS

JFrog

OnPrem K8s

Static Code Analysis, Test Harness, Code Coverage, Scanning, Dependency Scanning, etc..

# Platform Engineering

Design Developer Experience

Define & Select Uniform Interfaces

Embed Principles, Policies, Practices, Controls, Governance

Develop Pathways

Refine until Golden

Realise Efficiencies and Security at Scale

Tim Stokes