



“ They don’t have the **engine**”



“ But we have the **driver**”



We have the **engine**

and the **driver**

WSO2 API Manager

Jira by WSO2

WSO2 Integrator

Devant by WSO2

WSO2 Identity Server

ASGARDEO*

OpenChoreo

Choreo



WSO2's

purpose is to help
enterprises become
infinite (with the correct
middleware technology)



20TH ANNIVERSARY EDITION

WSO2CONASIA

— PLATFORMLESS MODERNIZATION

The Road to an Intelligent, Platformless Future



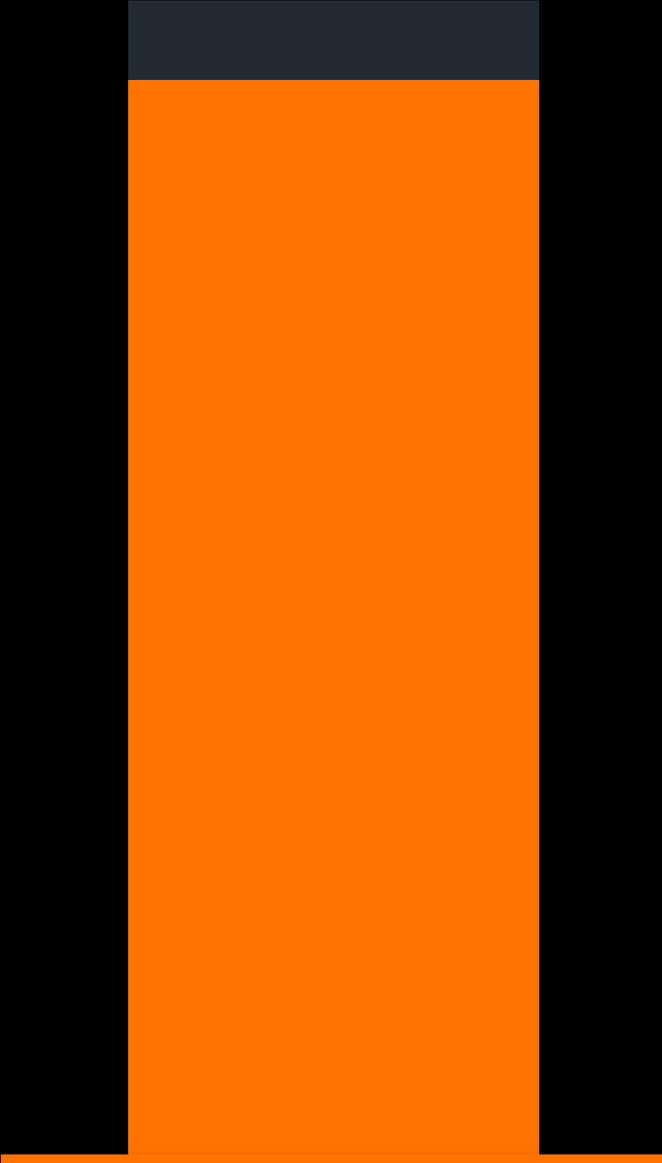
Asanka Abeysinghe

CTO

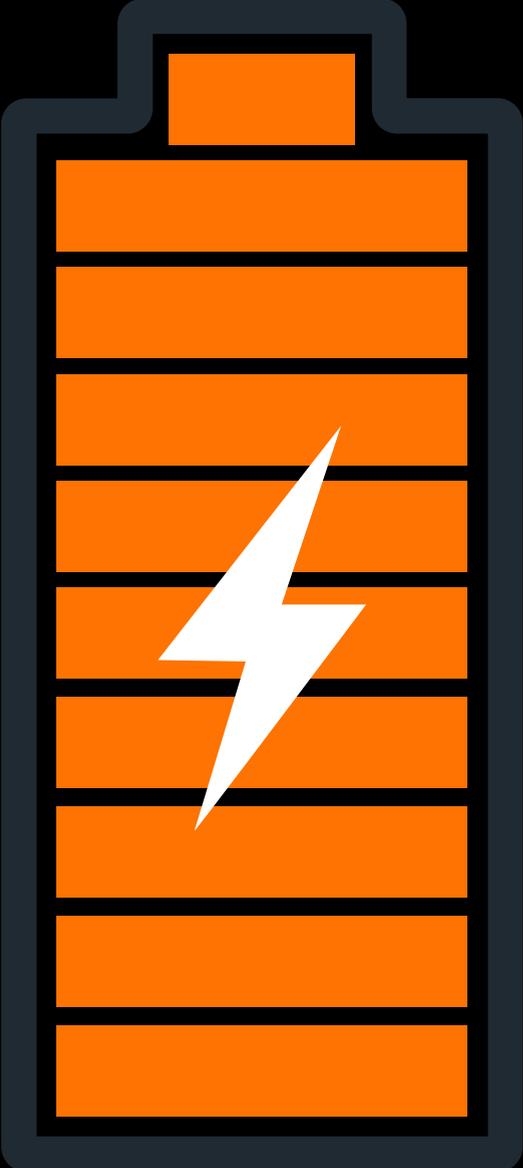
WSO2



Graveyard slot



Cognitive load



Energy



It's a remix.....



common thing

Abstractions

Abstractions simplify complexity by hiding unnecessary details and exposing only what's essential.

TAB 4/4

0 (0) 7 5 6 5 7 0 (0) 7 5 6 5 7 0 (0) 7 5 6 5 7 0

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Enter Sandman: You hear the **riff**, not the **layers**

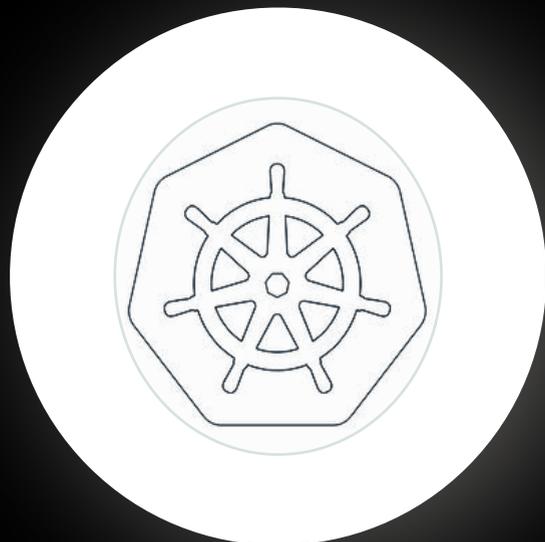
Evolving **abstractions** in software engineering



Abstract data types
Barbara Liskov



Relational databases
Edgar Codd



Kubernetes

But **leaky**
abstractions
are **dangerous.**

things to **focus on**

Mindset (*approach*)

Architecture (*structure*)

Execution (*delivery*)

Mindset





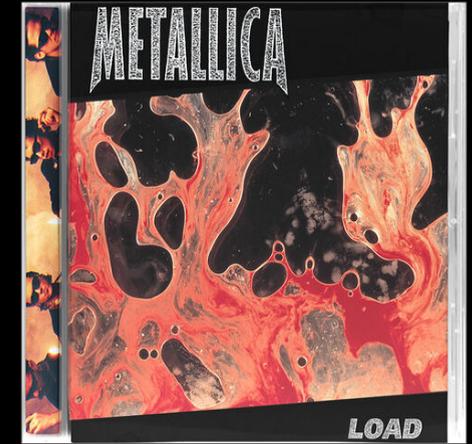
1983



1986



1991



1996



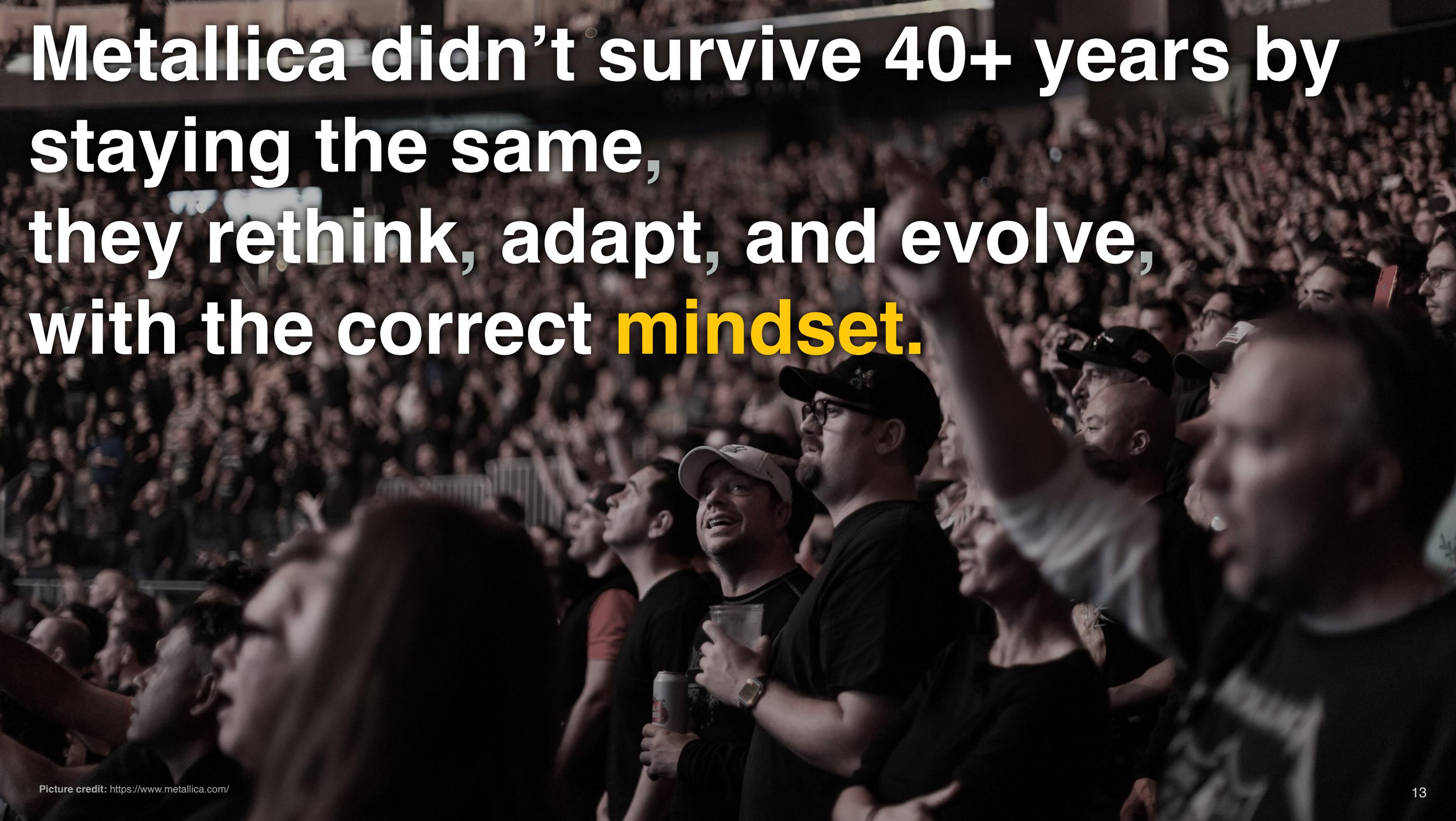
2016



2017



2023



Metallica didn't survive 40+ years by staying the same, they rethink, adapt, and evolve, with the correct **mindset.**

- First principle thinking
- Product mindset, think in systems, not silos
- Learn in loops, not lanes

To **abstract**
mindset,
embed it into **culture.**

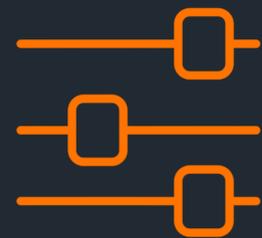


Architecture



Decentralized
with federated **governance.**





Control Plane



Data Plane

- **Modularity** – Enables independent evolution and flexibility
- **Composability** – Lets us assemble capabilities like building blocks
- **Adaptivity** – Responds dynamically to change across environments and needs

As a result, you get an **iterative architecture**, and **autonomy** emerges naturally.



Abstract your
architecture with a style like
cell-based architecture
(CBA).

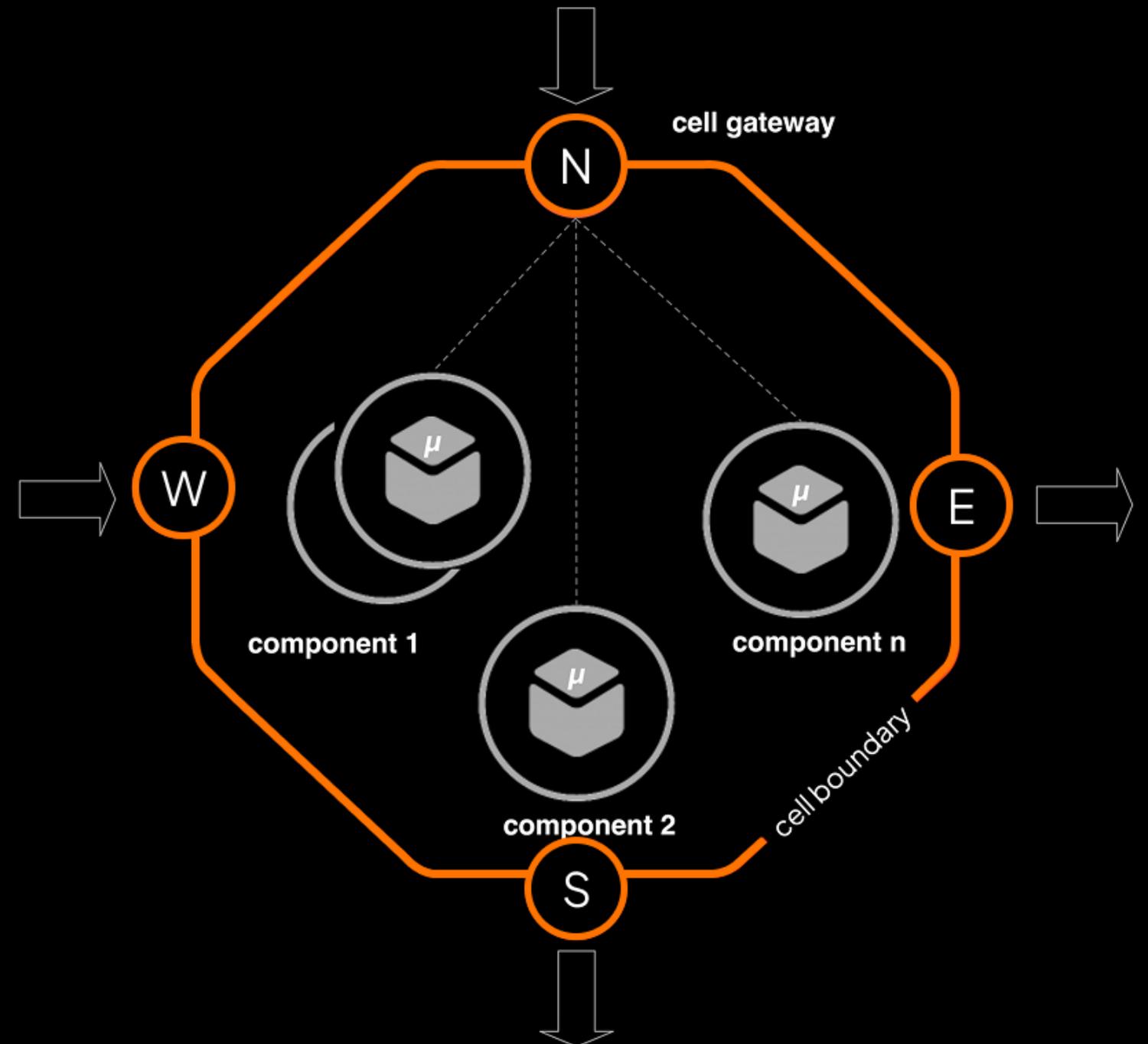


Cells give structure to life, just like the foundation of modern software systems. Without them, everything would be a **“big blob of mush”**! - Paul Fremantle

Cell: units of enterprise architecture

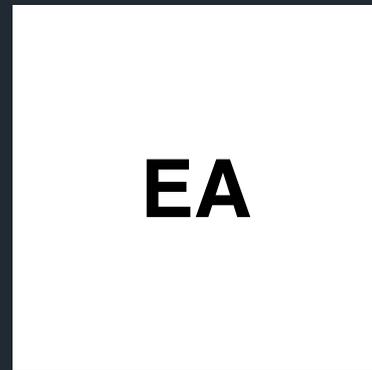
A **cell** is a collection of **components**, grouped from design and implementation into deployment.

A **cell** is independently **deployable, manageable, and observable.**

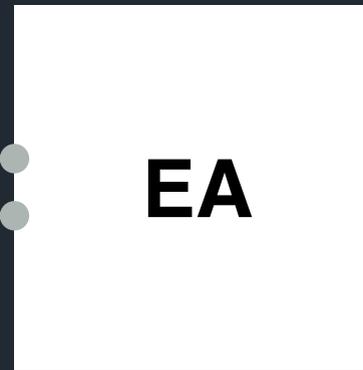


Bringing **AI applications** into **Enterprise Architecture**

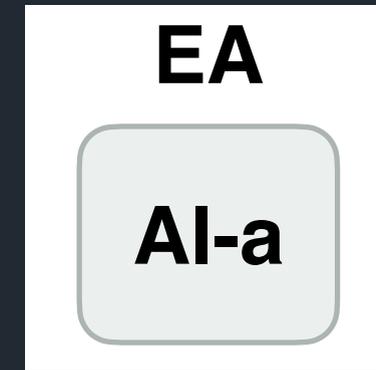
Outsourced



Sidecar



Embedded



Execution



- **Composable by design, with outside-in**
Assemble capabilities into products and services using flexible building blocks
- **Fast to build, faster to change**
Support rapid iterations to meet shifting user needs and market demands
- **Resilient**
Withstand failure gracefully and recover quickly across environments.

As a result, you deliver seamless, **intelligent digital experiences** at scale.



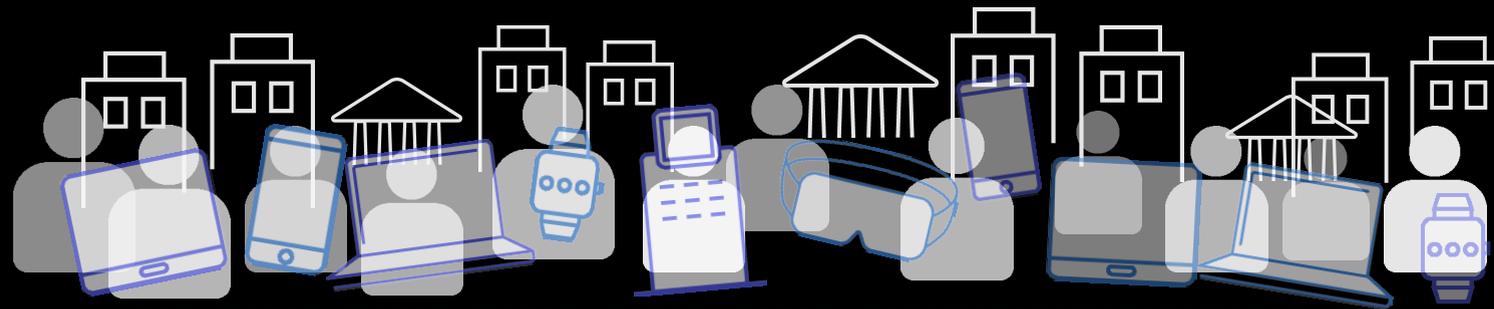
To **abstract execution**,
you need a **platform**.

is a supporting structure that increases the
effectiveness of a community.



Technology platform

Customers, Partners, Employees



Business Abstractions

Platform

Technology Abstractions

This is what differentiates you from your **competitors** and **where your focus should be.**

This layer should disappear from focus.

To **abstract the platform**, you have to become **platformless**

shifting your focus from the platform itself to building business abstractions on top of it.

Discovering the Architecture Middle Path

Discovering the Architecture Middle ...



Podcast · 15 episodes · Last updated on Mar 13, 2025

Dive into the world of software architecture with our podcast, where we take an engaging and pragmatic...more

7

Middle Path from the Experts

Sanjiva Weerawarana Asanka Abeysinghe Frank Leymann

1:07:34

WSO2 · 1.5K views · 1 year ago

8

Discovering the Architecture Middle Path

EP8: Business Service Platform

Sanjiva Weerawarana CEO Asanka Abeysinghe CTO

20:26

WSO2 · 582 views · 1 year ago

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Discovering the Architecture Middle Path

EP7: Platformless: Revolutionizing Enterprise Software Engineering

Sanjiva Weerawarana CEO Asanka Abeysinghe CTO

39:06

WSO2 · 608 views · 1 year ago

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Discovering the Architecture Middle Path

EP6: Complexity Uncovered: Navigating Enterprise Software Engineering

Sanjiva Weerawarana CEO Asanka Abeysinghe CTO

20:49

WSO2 · 348 views · 1 year ago

11

Discovering the Architecture Middle Path

EP5: Why Building Platforms Fail - Architects Dissect 5 Critical Reasons

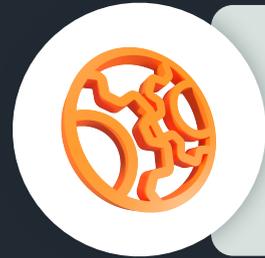
Sanjiva Weerawarana CEO Asanka Abeysinghe CTO

Why building platforms fail: Architects dissect 5 critical

WSO2 · 427 views · 1 year ago



WSO2 product portfolio, **build** or **buy** your platform



API Management



Integration



Identity & Access Management



Internal Developer Platform (as a Service)



your **technology partner** in the
path to an **intelligent**
platformless future.

mindset *(strategy)*

architecture

execution *(products)*



WSO2 API Manager



WSO2 Integrator



WSO2 Identity Server

ASGARDEO*

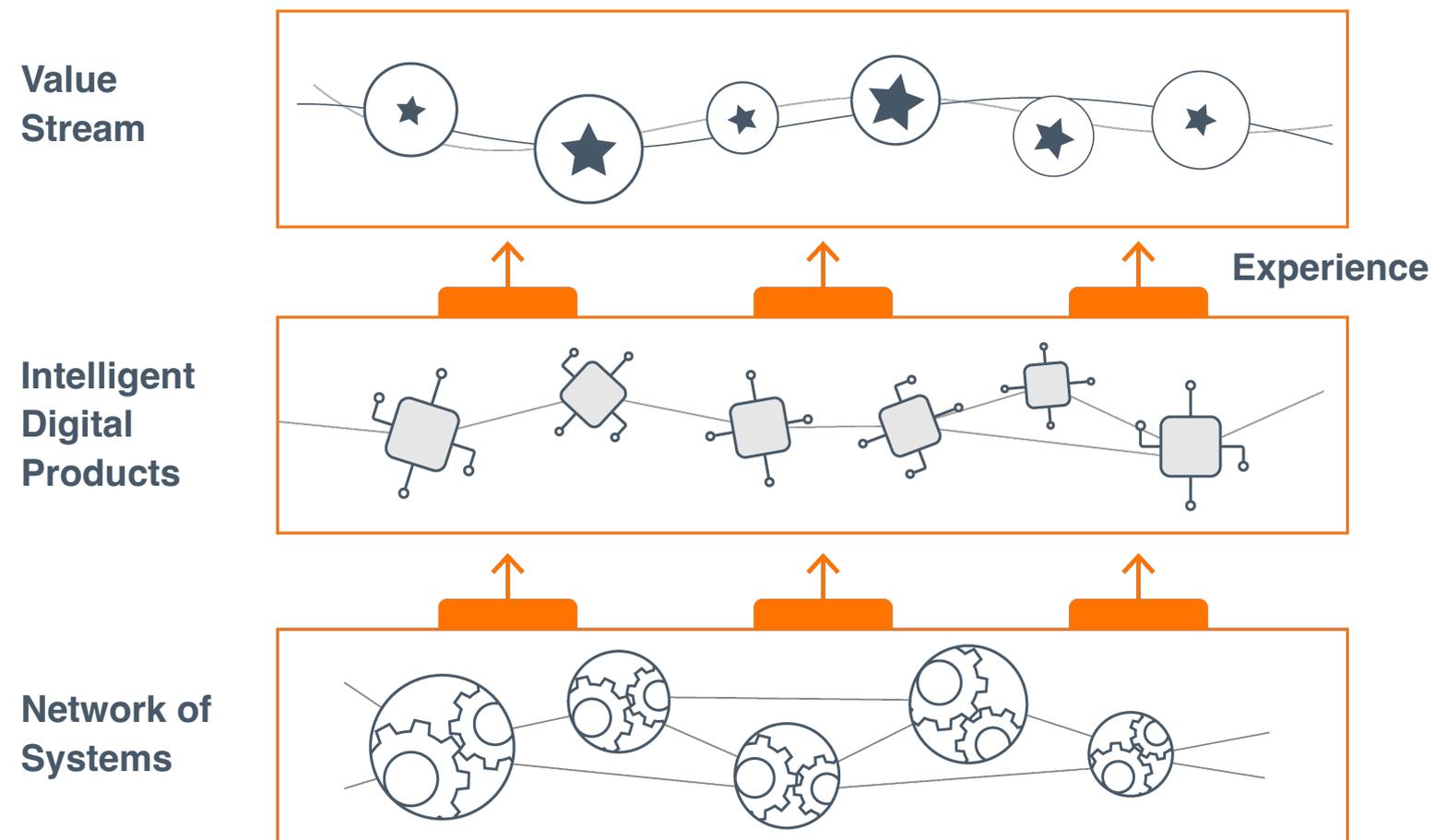


OpenChoreo



The road to an intelligent,
platformless future is built on
aligned abstractions of **mindset**,
architecture, and **execution**.

At the end of the day, it all comes down to **creating value**



**Nothing else
matters.....**

