

20<sup>TH</sup> ANNIVERSARY EDITION

**WSO2CONASIA**

— PLATFORMLESS MODERNIZATION

# How to Migrate from Legacy Integration to WSO2



Isuru Udana  
Director - Engineering  
WSO2





# 92%

of enterprises are currently working on or planning at least one application modernization effort

-A recent survey

# 90%

of organizations will adopt hybrid cloud through 2027

-Gartner

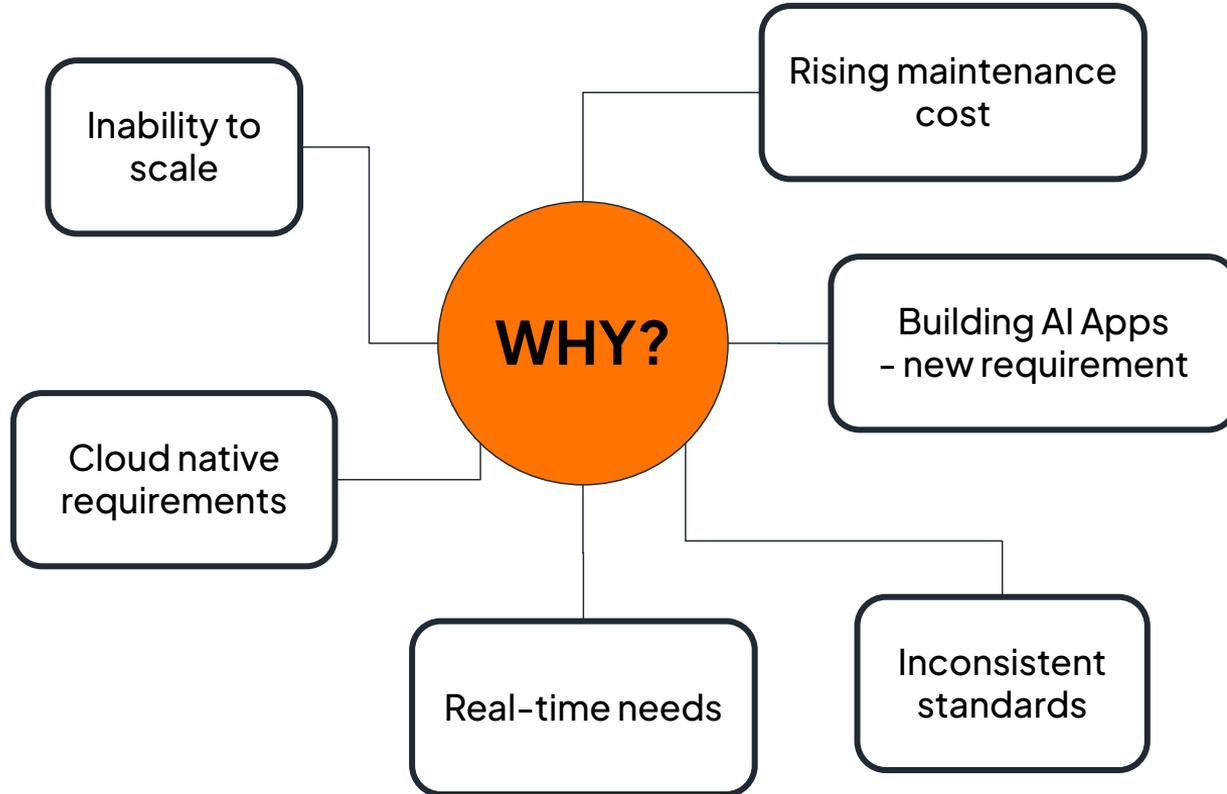


**“I do not believe you can do today’s  
job with yesterday’s methods and be  
in business tomorrow.”**

- H. Nelson Jackson -



# Why Modernize Legacy Integration?



# Challenges



- Critical data and processes
- Proven reliability
- Cost and risk of replacement
- Complex dependencies
- Loss of expertise
- Cultural resistance

The background features a dark blue night sky filled with small white stars. In the center, there is a black silhouette of a city skyline, including several skyscrapers and palm trees. The top of the image is framed by a dark blue, wavy, abstract shape. In the bottom-left and bottom-right corners, there are decorative, glowing wavy lines in shades of red and blue.

# The Migration Journey

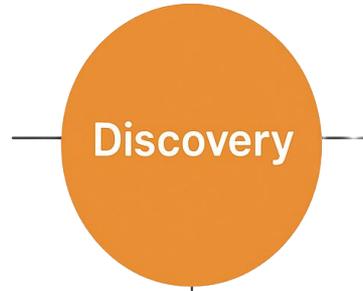
# The Migration Journey – 6 Phases



# Phase 1 – Discovery



**Understand Existing  
Integrations**



**Identify External  
Dependencies**

# Understand Existing Integrations



Documentation



People



Logs

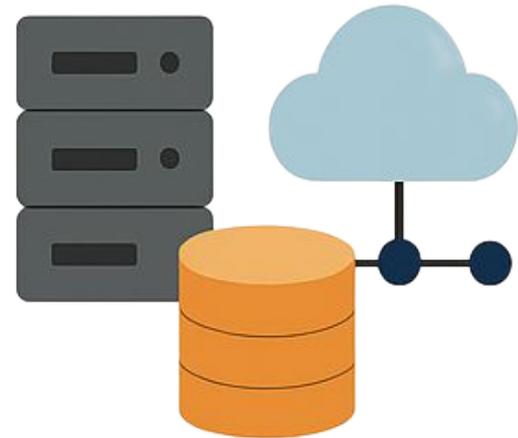


Scripts, Configs

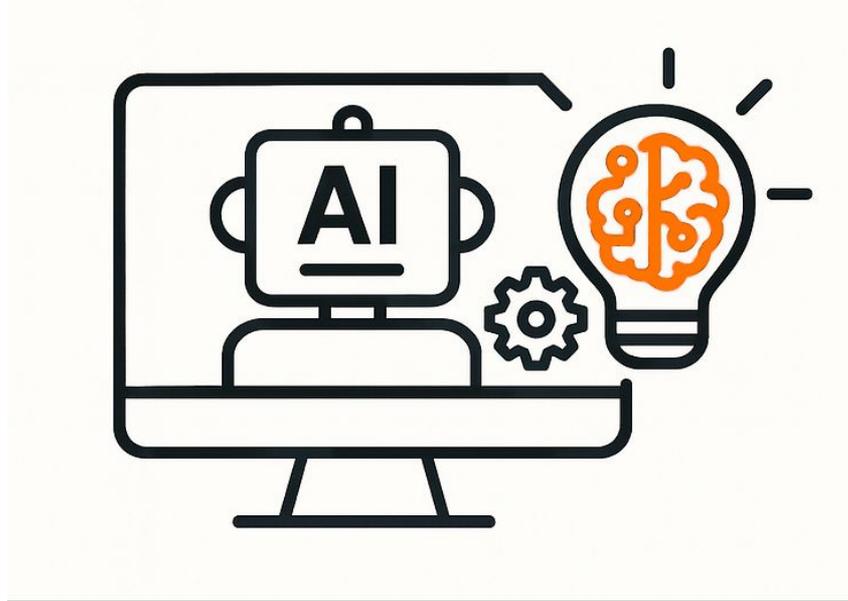
# Identify External Dependencies

Map out the systems you connect to:

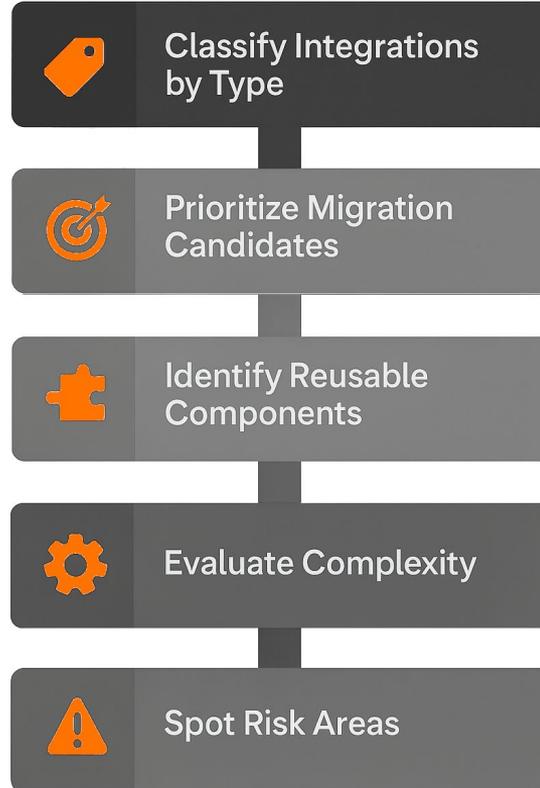
- Third-party APIs and SaaS systems
- FTP/SFTP servers
- Databases
- Legacy systems - Mainframes
- Message brokers



# Accelerate Discovery with AI

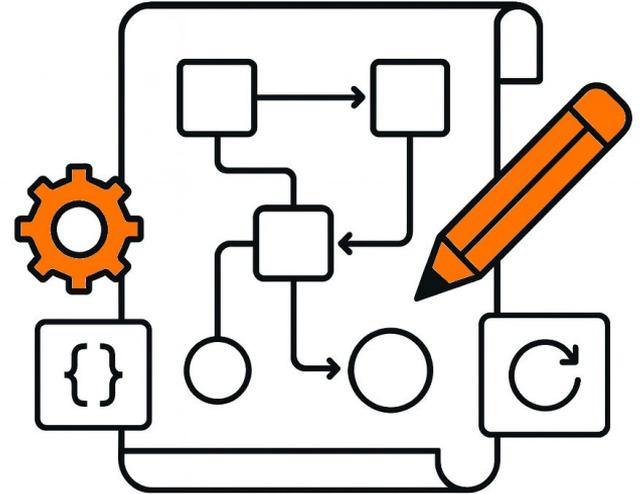


## Phase 2 – Assessment & Categorization



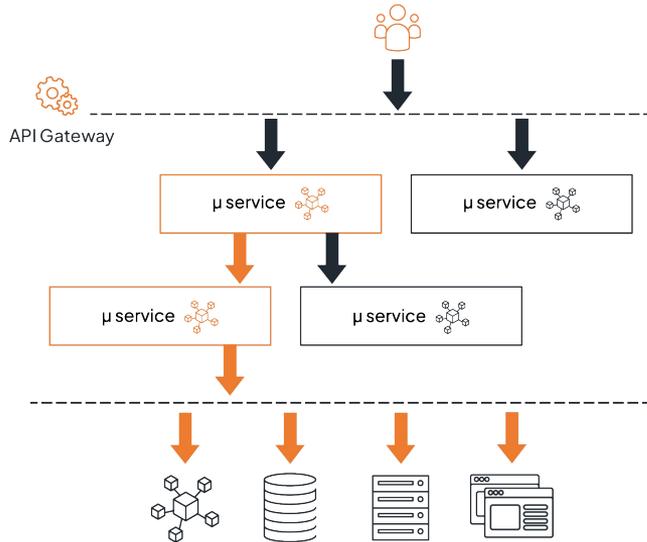
## Phase 3 – Design Blueprint

- Define standardized future-state architecture.
- Create reusable integration flows, functions, and error handlers.

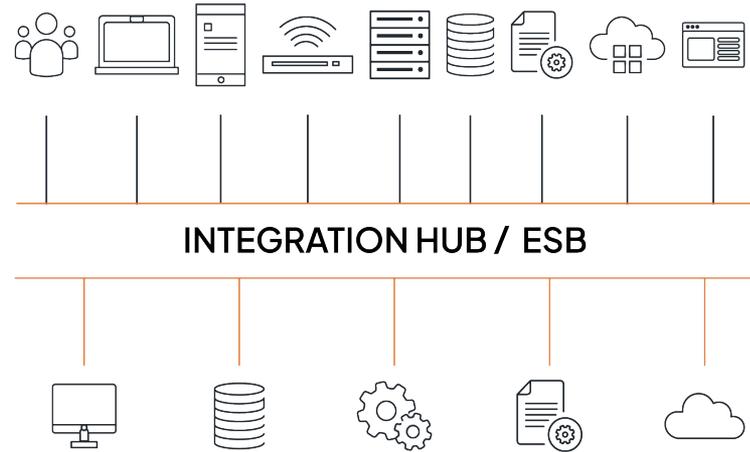


# Architectural Styles

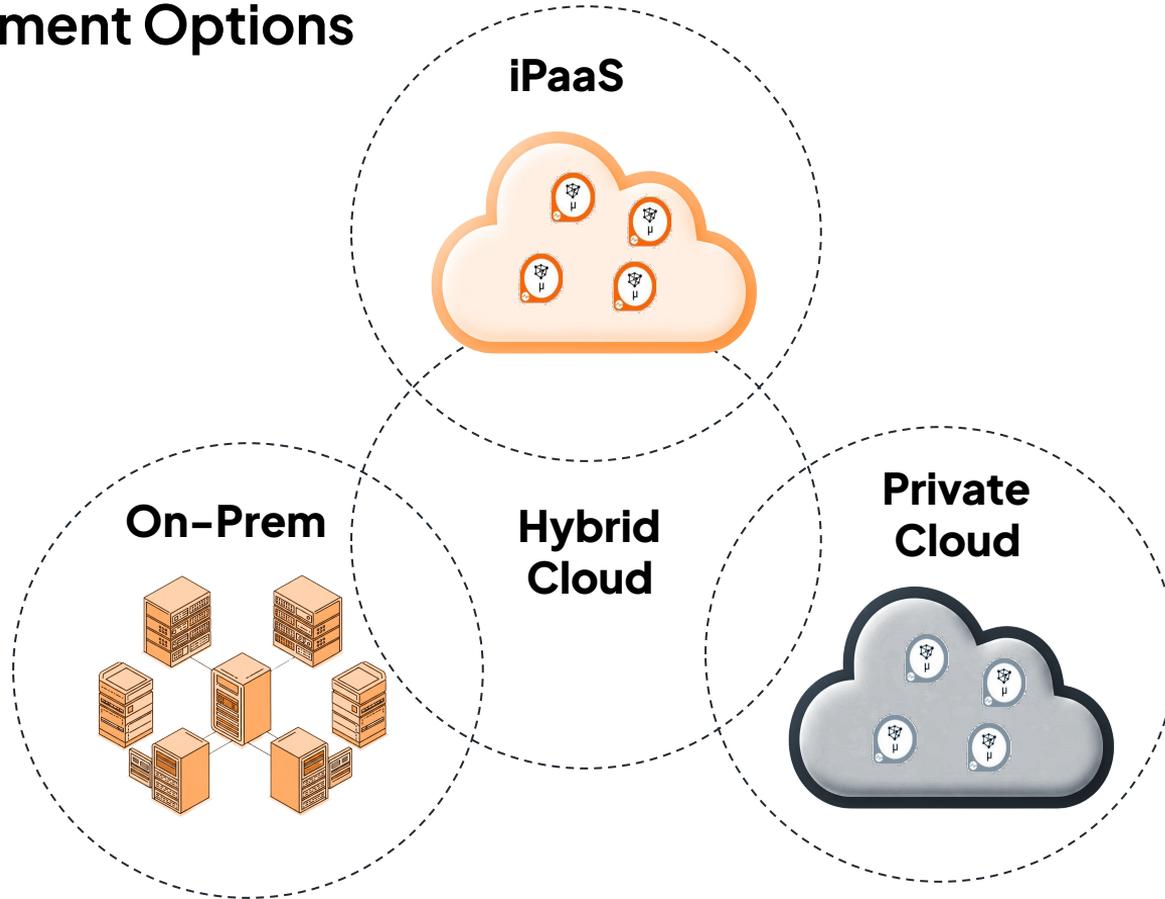
## Microservices



## Integration Hub / ESB



# Deployment Options



# Phase 4 – Implementation



Identify Stakeholders



Align on Timelines



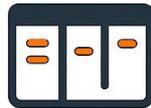
Start with Low-Risk Integrations



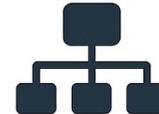
Migration Tools



Build Reusable Architecture



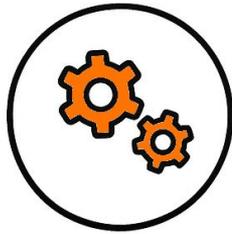
Develop in Phases



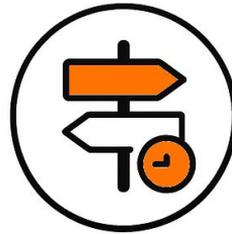
Maintain Legacy for Validation

## Phase 5 – Go-Live

### PHASED GO-LIVE APPROACH



Small Batch  
Deployment



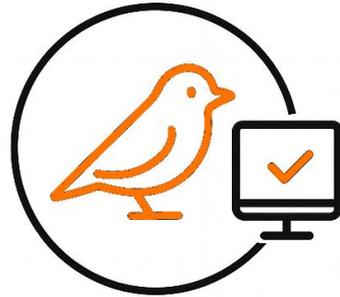
Incremental  
Traffic Routing



Early  
Validation

## Phase 5 – Go-Live

**FAIL-FAST, FIX-FAST EXECUTION**



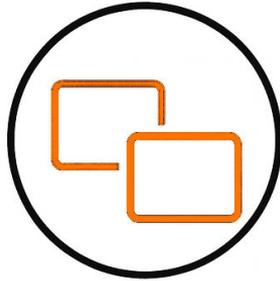
**CANARY  
DEPLOYMENTS**



**IMMEDIATE  
ROLLBACK**

## Phase 5 – Go-Live

### RISK MITIGATION STRATEGIES



**PARALLEL  
RUN**



**HYBRID  
ACCESS**



**PRIORITIZED  
ROLLOUT**

## Phase 6 – Optimization



**Document and share reusable artifacts**



**Automate testing and deployment**



**Use AI to identify bottlenecks and improvements**

# Pitfalls



**Missing  
documentation**



**Underestimating  
scope**



**Skipping test  
coverage**

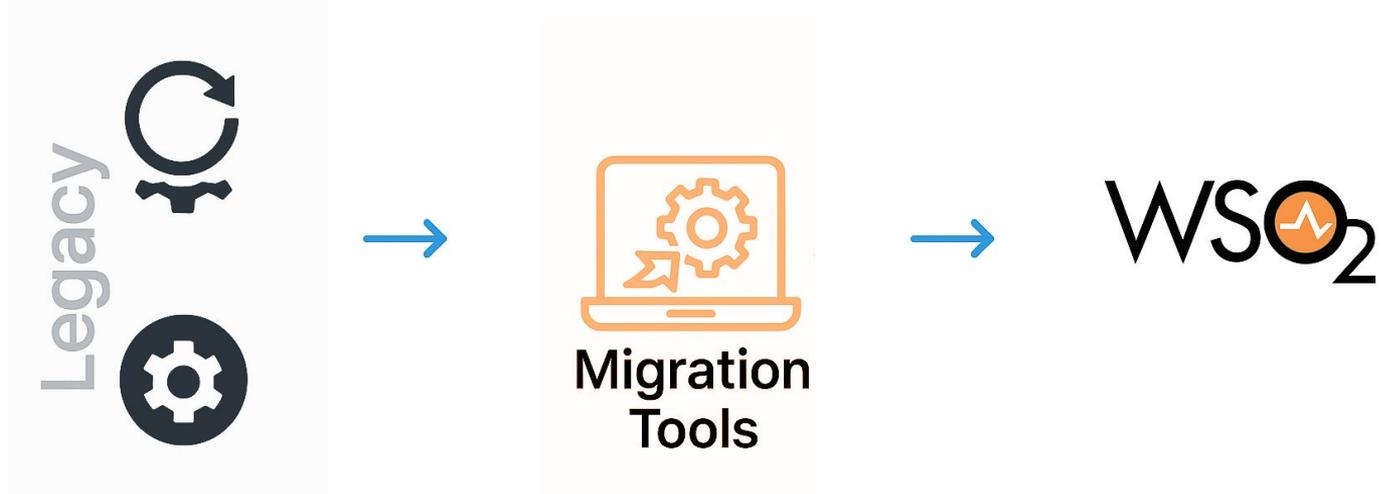


**Delayed infra  
readiness**

A dark blue background featuring a silhouette of a city skyline with various skyscrapers and palm trees. A large, glowing WSO2 logo is positioned in the upper right corner. The scene is decorated with a starry night sky and abstract, colorful wavy lines in the corners.

# Accelerate with WSO2 Migration Tools

# Accelerate with WSO2 Migration Tools



# Accelerate with WSO2 Migration Tools

WSO2 INTEGRATOR: BI

Welcome to WSO2 Integrator: BI. You can open a folder containing an integration or create a new integration.

[Open Integration](#)

[Create New Integration](#)

To learn more about how to use WSO2 Integrator: BI in VS Code read our docs.

## WSO2 Integrator: BI for VS Code

A comprehensive integration solution that simplifies your digital transformation journey. Streamlines connectivity among applications, services, data, and cloud using a user-friendly low-code graphical designing experience.

### Get Started Quickly

New to WSO2 Integrator? Start here! Explore step-by-step tutorials to help you get up and running with ease. [Read the guide.](#)

### Create Your First Integration

Ready to build? Start a new integration project using our intuitive graphical designer.

[+ Create New Integration](#)

### Import Your Existing Integration

Already have an integration? Import your existing Mule, TIBCO, or Logic Apps integration project and continue building with the graphical designer.

[+ Import External Integration](#)

### Explore Pre-Built Samples

Need inspiration? Browse through sample projects to see how WSO2 Integrator: BI handles real-world

# Migration Assessment Report: Make Informed Decisions

## Aggregate Migration Assessment

### Overview

6

Projects Analyzed

88%

Average Automated Migration Coverage

Total Code Lines:

1286

Migratable Code Lines:

1195

Non-migratable Code Lines:

91

### Manual Work Estimation

Best Case

63.1d

(~12.6w)

Average Case

126.1d

(~25.2w)

Worst Case

190.3d

(~38.1w)

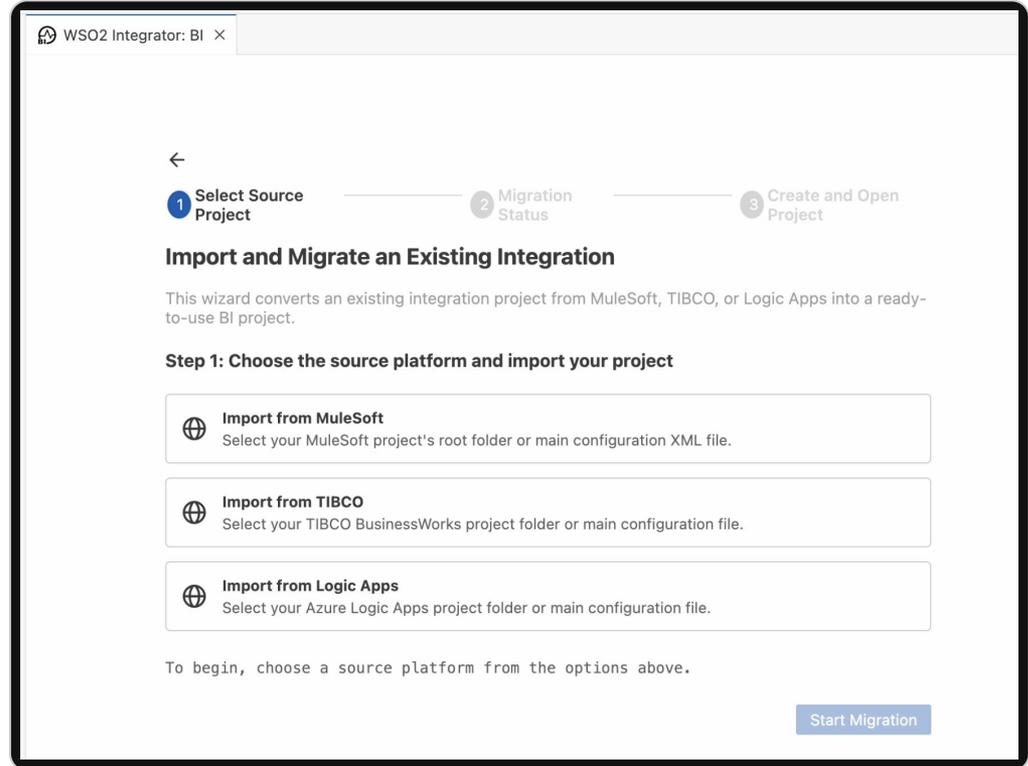
#### Note:

- Code lines are weighted based on their complexity, when calculating the percentage

# Accelerate Migration with WSO2 Tooling

Currently available for:

- MuleSoft 3
- MuleSoft 4
- Tibco BW 5
- Tibco BW 6
- Logic Apps



## Some Tips



**Start small**



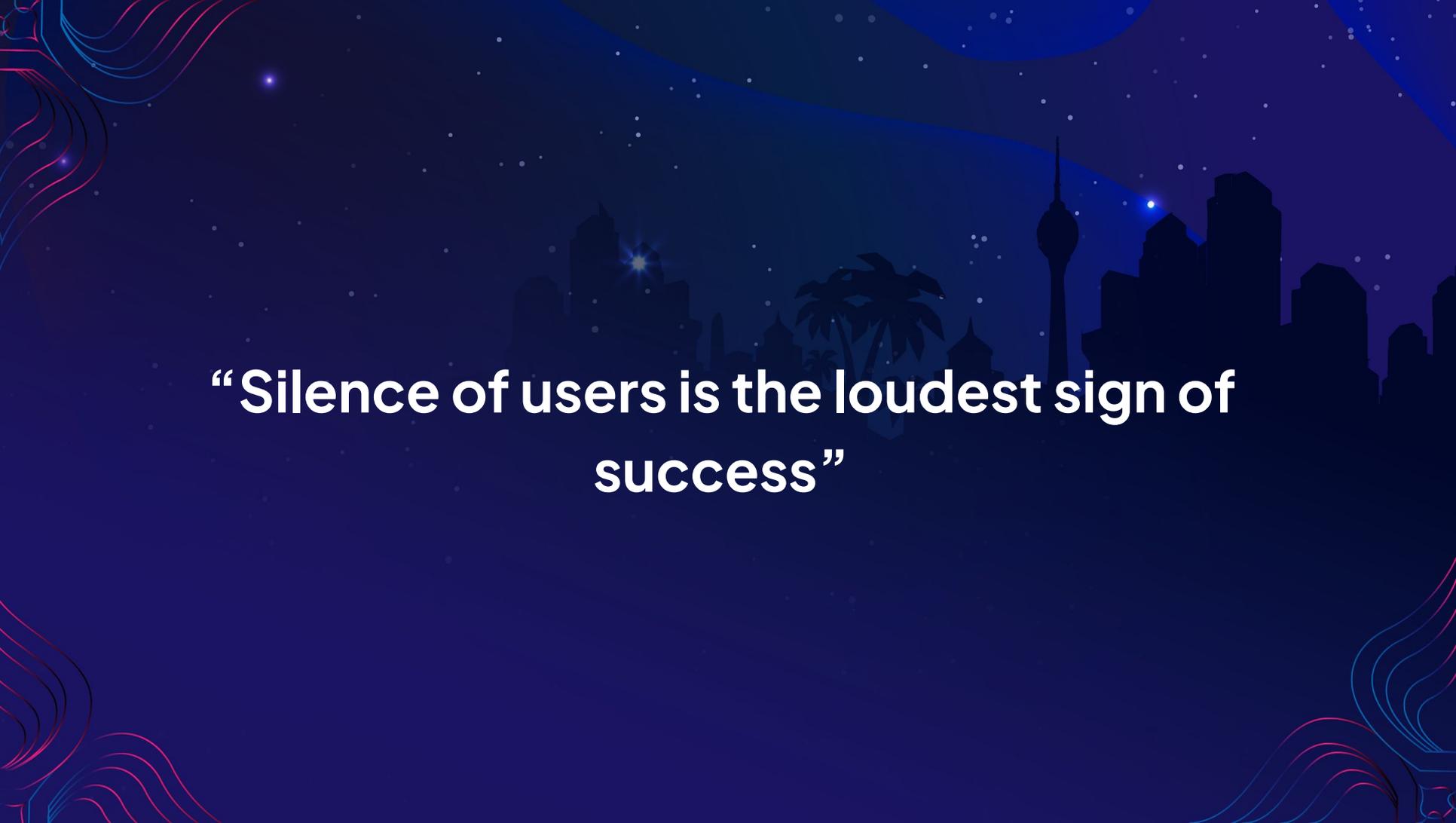
**Validate early**



**Automate  
everything**



**Show quick  
wins**



**“Silence of users is the loudest sign of  
success”**

A dark blue background featuring a silhouette of a city skyline at night. The skyline includes various skyscrapers and a prominent tower with a spherical top. The sky is filled with small white stars and a few larger, brighter stars. In the top left and bottom left corners, there are decorative wavy lines in shades of blue and pink. A thin orange horizontal line runs across the middle of the page.

# Question Time!





Thank you!

20<sup>TH</sup> ANNIVERSARY EDITION

**WSO2CONASIA**

—  PLATFORMLESS MODERNIZATION