

# Building a CICS API



May 2021



# HostBridge Offerings

## Integration Analytics



- **Transaction insights** – usage and volume patterns
- **CICS Transaction Data** Enrichment and Processing
- **Baseline dashboards**

## API Design



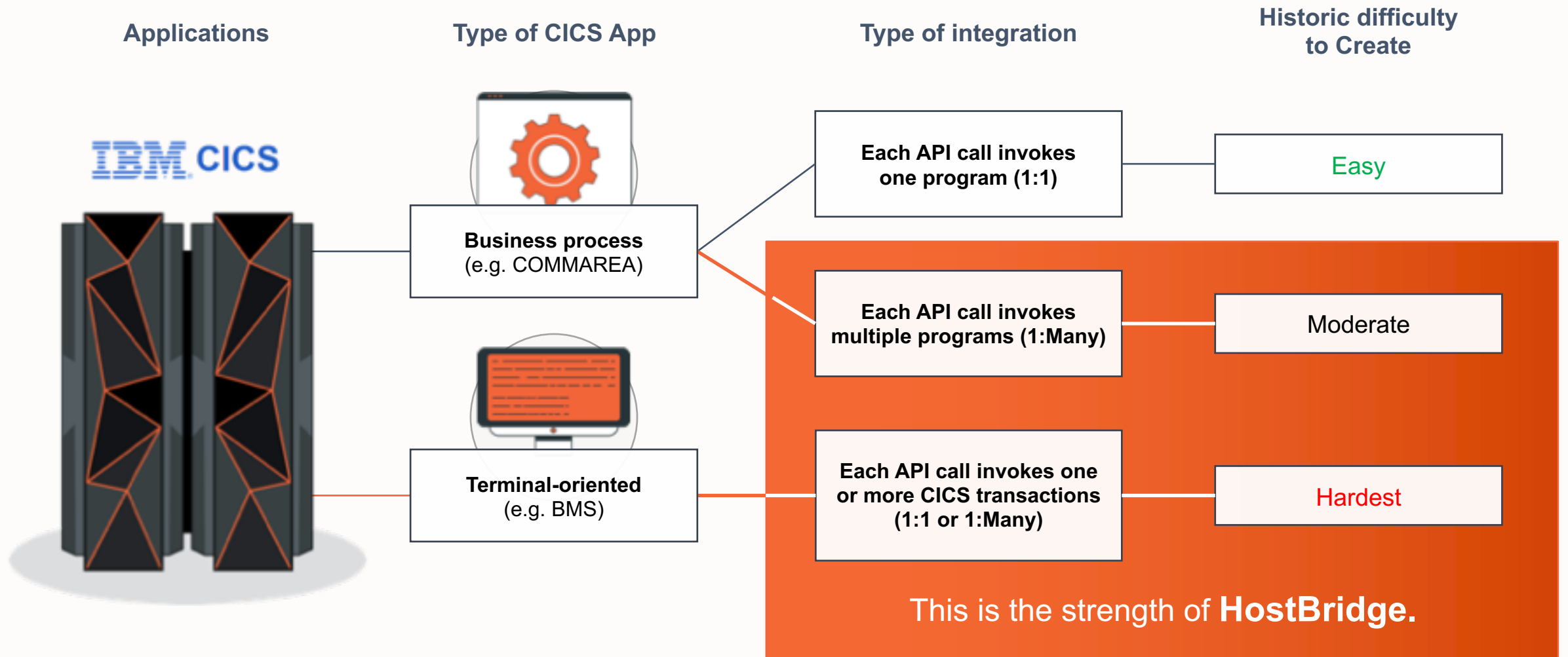
- **Analysis based** API Design
- **Architecture** definition and **prototype** service
- Blueprint for **rapid enterprise deployment**

## API Fulfillment



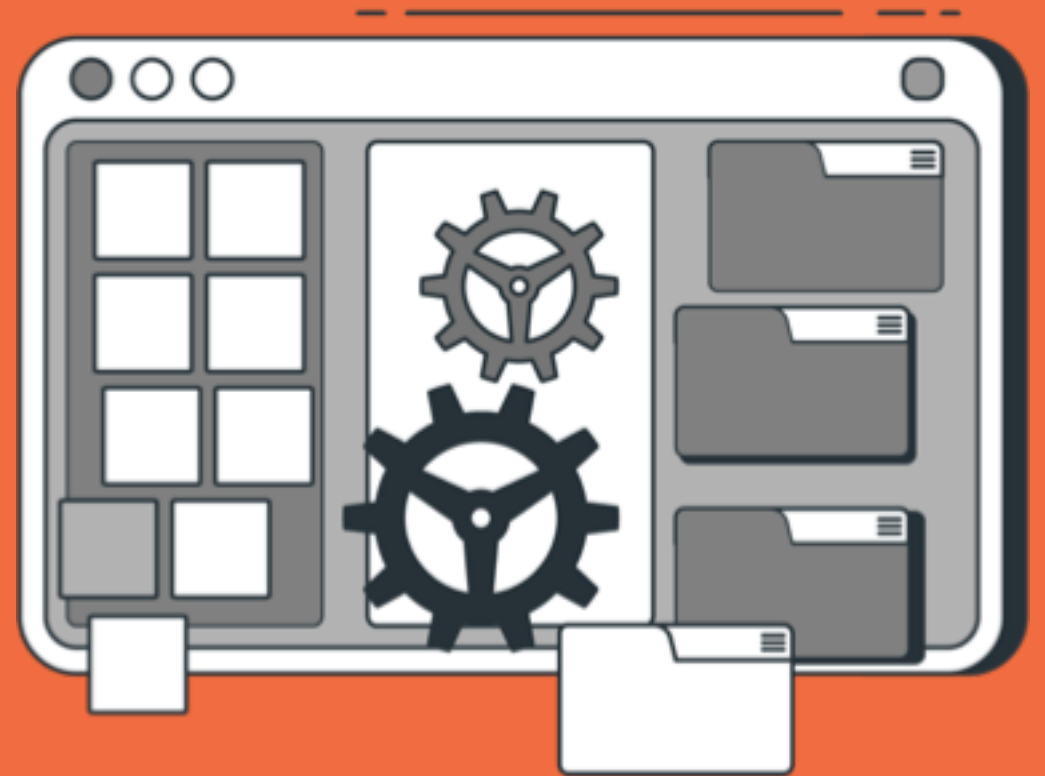
- **Business-level APIs** built for performance at scale
- Selecting **best platform tools** for the job
- Loosely coupled architecture for **change management**

# HostBridge Simplifies Difficult Integrations with APIs



# API Design

The best pivot point



# The Foundation - Not all APIs are made the same

## Technology Based



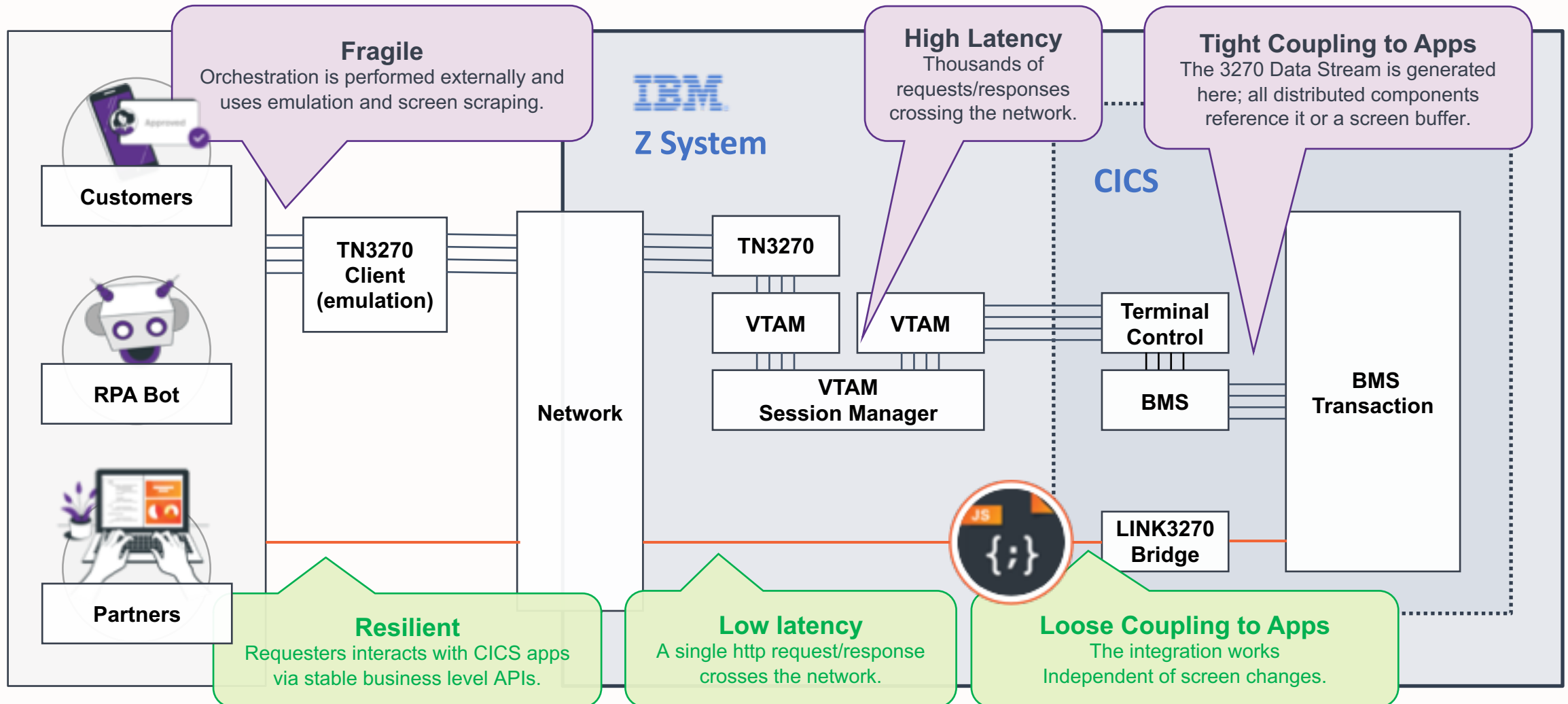
- Platform **dependent**
- **Exposes** implementation details
- **Needs more** effort/skill
- Implementation level **coupling**
- **Bottom up** approach

## Business Level



- Platform **agnostic**
- Driven by **workflow logic**
- Requires **modest effort**
- **Business flow** coupling
- **Top down** approach

# Evolving Mainframe Integration



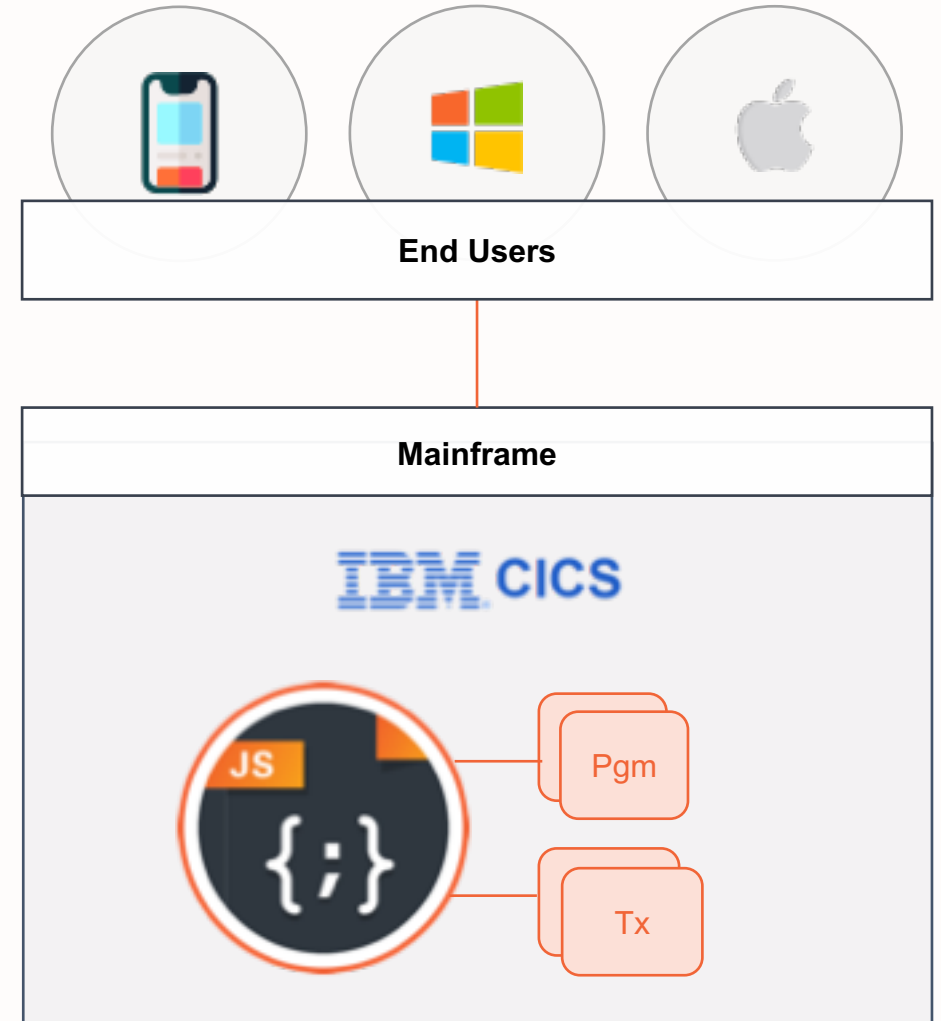
# Modernization via API philosophy

**Leverage** existing business logic on the mainframe

**Deploy** business-oriented APIs to expose it

**Extend** the reach to cloud, web, or mobile platforms

**Evolve** your hybrid IT world



# API

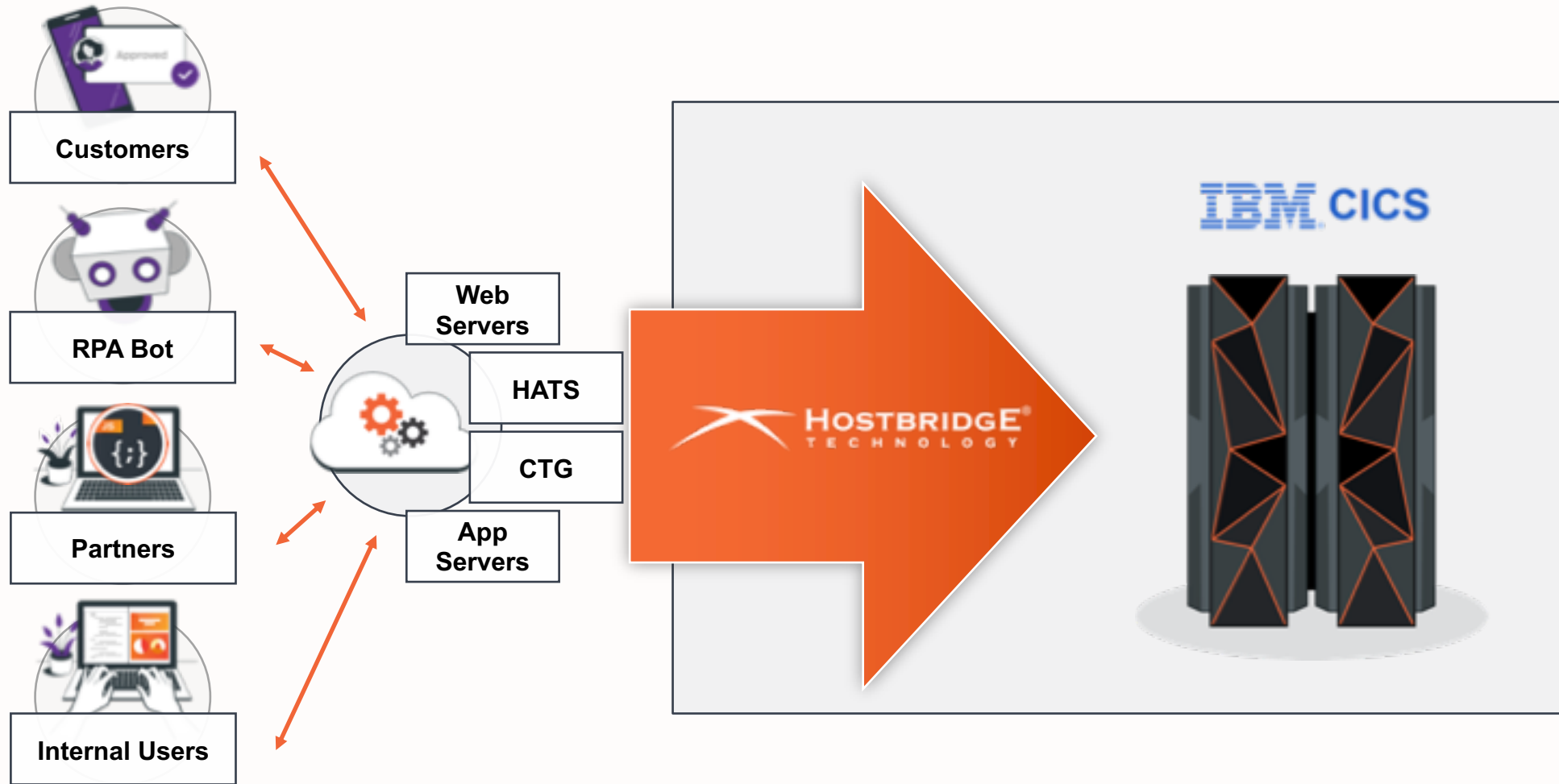
# Fulfillment

Securing high performance  
at scale

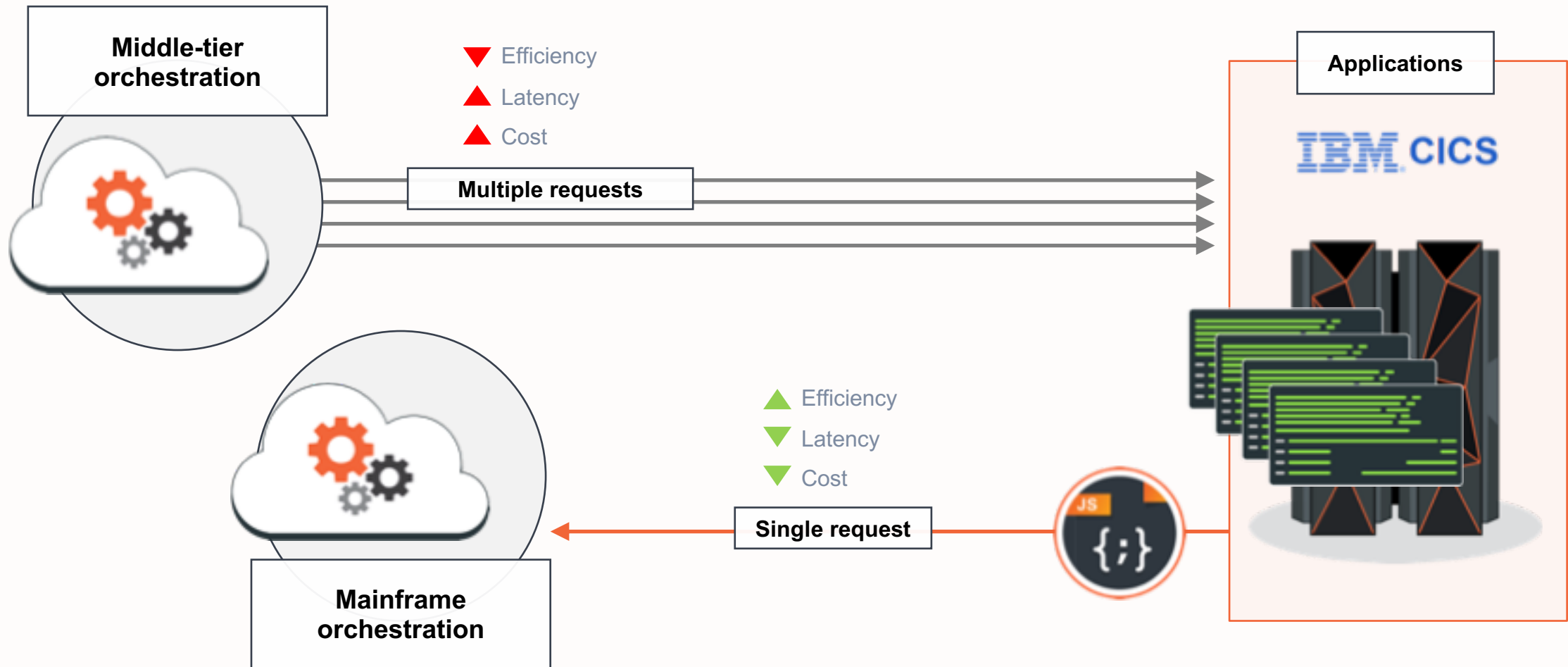




# HostBridge JavaScript Engine



# More than Integration: API Orchestration



# HostBridge JavaScript Engine (HB.js)

**API Implementation** via CICS-based Orchestration

**Supports any/all CICS-based apps** and data

**Eliminates screen scraping** for BMS transactions

**Easy to create** and deploy APIs

**Server-side** JavaScript    Runs natively under CICS    zIIP-enabled

**Quick ROI** AND Creates a strategic “pivot point”



# HB.js: Advantages



## Performance

Low latency



## Speed

Development  
and deployment



## Efficiency

Minimal mainframe  
footprint



## Agnostic

Standards-based

# Next Steps...

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Questions?

HB.js **Pilot software available**

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