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# How the latest Cloud / Edge Engine Technology offers gains to both SAP IT and business teams

Laurence Pollinsky — December 1st, 2021

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# LAURENCE POLLINSKY

Laurence is a Senior Solution Architect, within the Solution Consulting Team for Thomson Reuters.

His role is to understand customers' business requirements so he can recommend the appropriate solution to meet both their strategic and immediate business goals.

In addition, Laurence also has the responsibility of working with development teams to introduce new innovations within the Indirect applications for the ONESOURCE platform.

Laurence started his career as an engineer developing software. He later become a consultant engineer working across multiple business verticals before he specialized in pre-sales within the finance sector.

# What We'll Cover

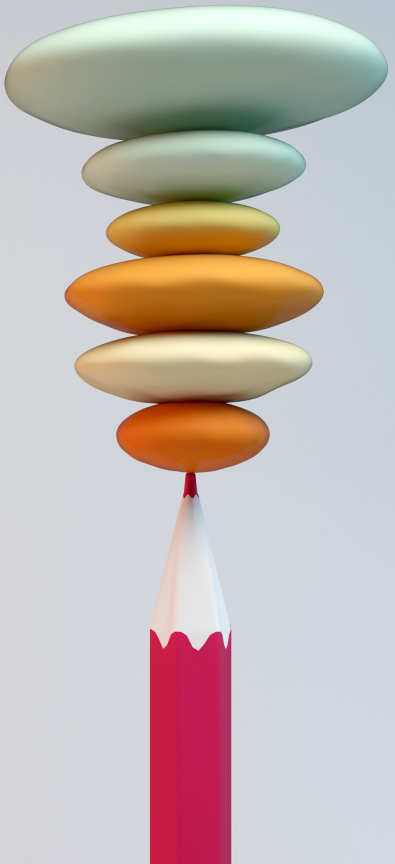
## 1. What is the benefit using an Engine for both IT and Business teams

- The principle:
  SAP native condition method
  Vs
  SAP connecting to an Engine
- The principle for non-SAP systems
- 3 key Engine considerations for SAP

## 2. What is the benefit combining Edge Computing & Engine Technology

- How Engine Edge Computing works
- The benefits of Engine Edge Computing
- Benefits comparison of Engine low latency deployment models

# 1. What is the benefit using an Engine for both IT and Business teams



# Principle: SAP native condition method

- Accuracy
- Automation and scalability


## Effort

**Legislation - On-going monitoring of tax legislation**
**IT deploy, validation and maintenance**
**More systems means an exponential amount of effort**

## Resources

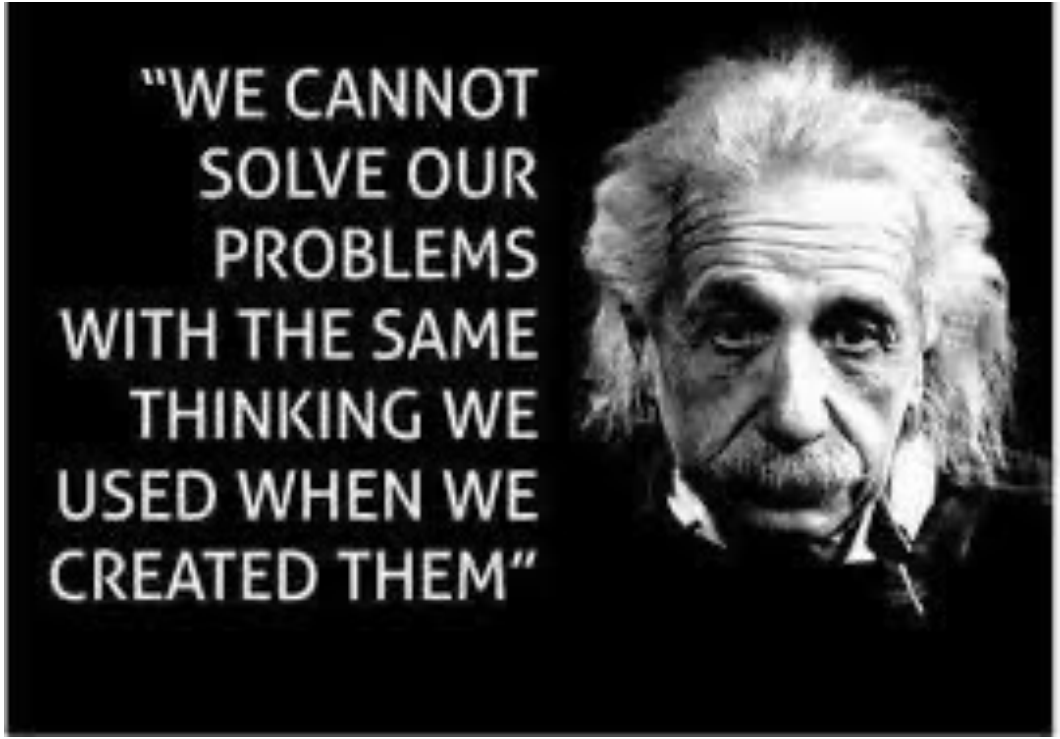
Knowledge required of both IT and Tax to deploy
Resource allocated to nonrevenue generation activity

## Technical Impact

Added complexity - layers of changes
Time constraint for tax change deadlines
Legislative changes are not aligned with SAP schedule updates

## Business Impact

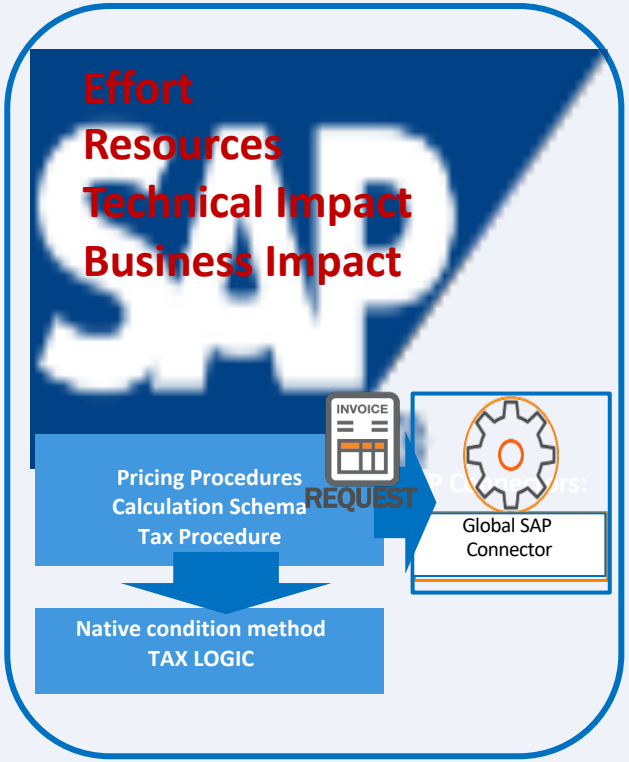
Changing markets – lack agility
Changing supply chains – lack agility




***So, what is the solution? …***

- Accuracy
- Automation
- Effort Reduction

# Principle: SAP connecting to an Engine




# Reference: Orientation of a tax Engine

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- What is the difference between
  A 'True' Edge Engine
  Vs
  A 'Fake' Edge Engine

# SAP and Non-SAP systems

- Central hub
- Scalability

## YOUR IT LANDSCAPE

Microsoft Dynamics AX GP D365

SAP

SAP Ariba

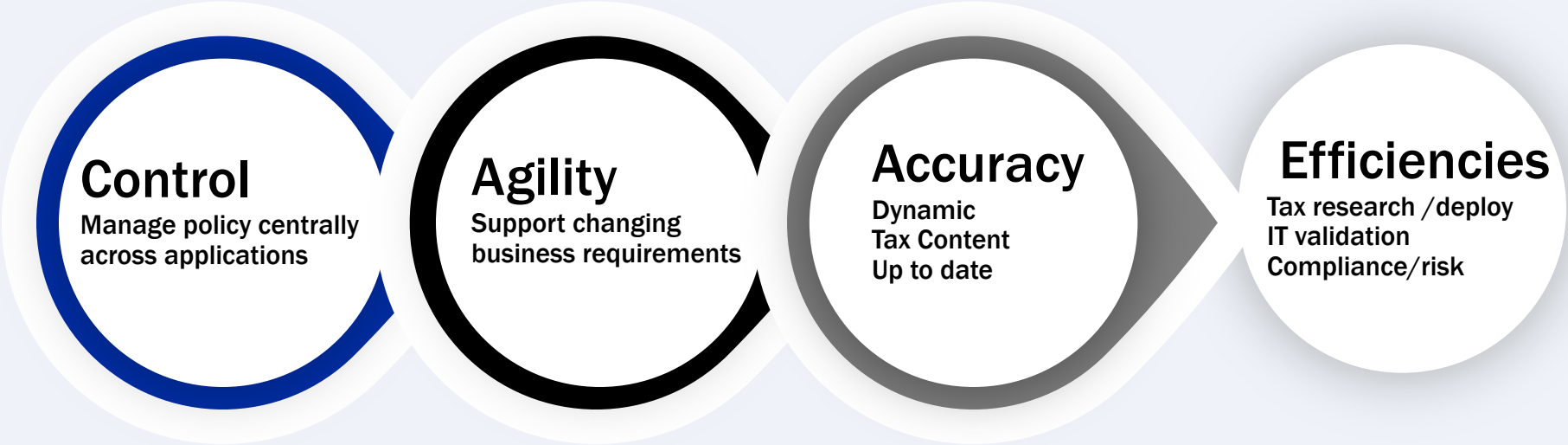
ORACLE

E-commerce

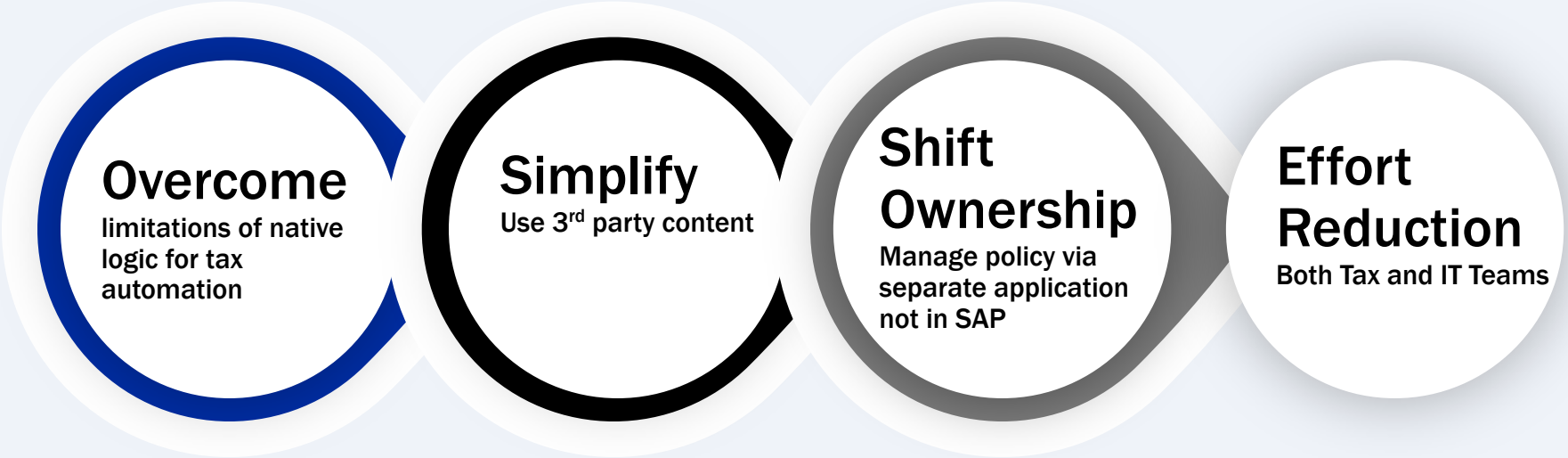
Legacy/Custom Systems

INVOICE

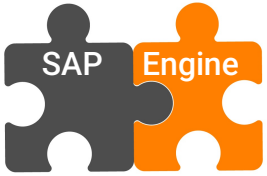
# The principal benefits for the Business team using an Engine



# The principal benefits for the IT team using an Engine



# 3 key Engine considerations for SAP




## 1 Technology of the Connector?

Impact to standard SAP functionality

Target deployment capability

## 2 Global Tax Content?

Coverage –Breadth & Depth

Consideration of the downstream compliance

## 3 Deployment Capability

Technology stack: True Cloud or Hosted

True Edge Capability

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# 2. What is the benefit of combining Edge Computing & Engine Technology

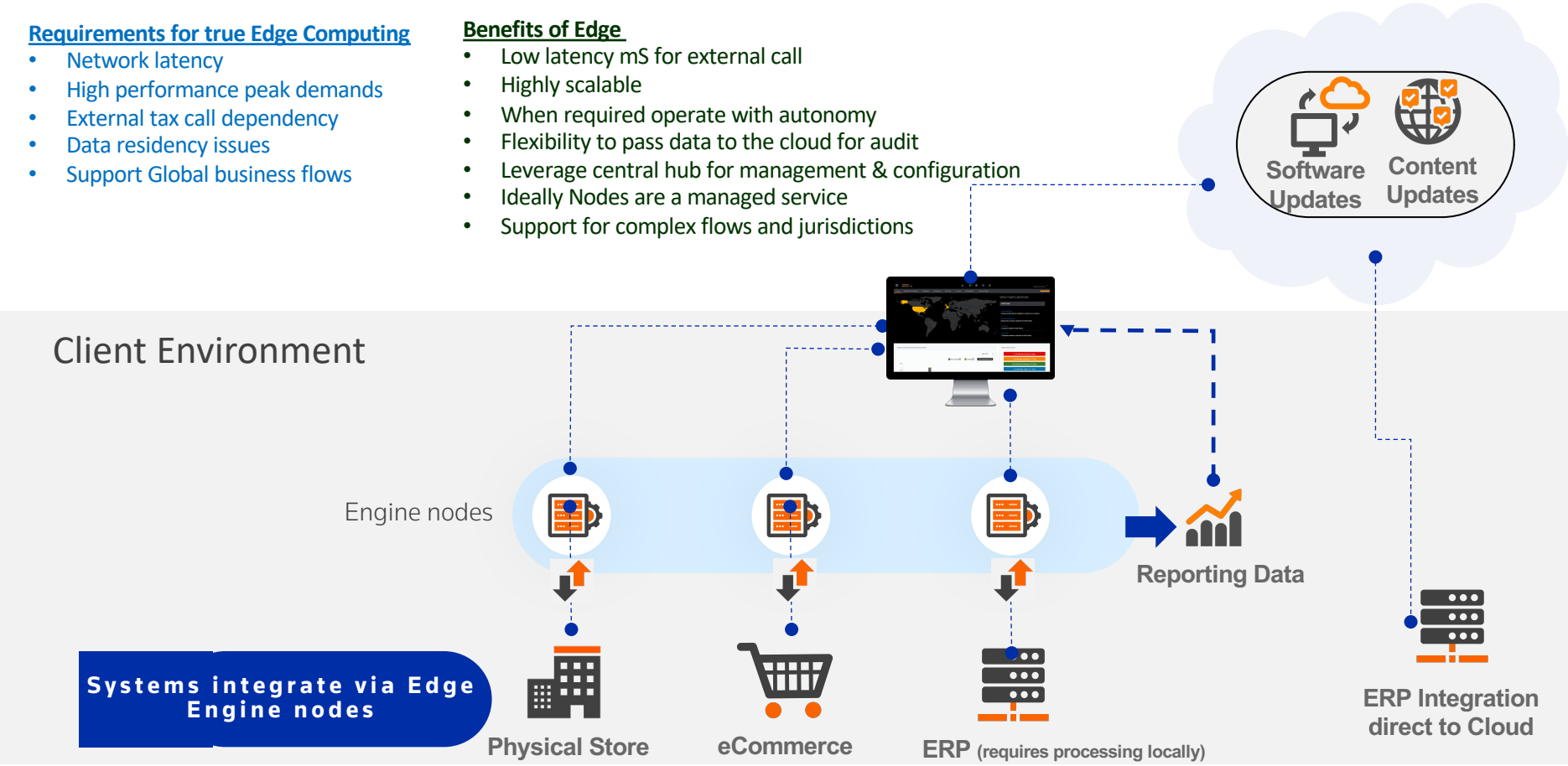
# How a true Edge Computing Engine works

**Requirements for true Edge Computing**

- Network latency
- High performance peak demands
- External tax call dependency
- Data residency issues
- Support Global business flows

**Benefits of Edge**

- Low latency mS for external call
- Highly scalable
- When required operate with autonomy
- Flexibility to pass data to the cloud for audit
- Leverage central hub for management & configuration
- Ideally Nodes are a managed service
- Support for complex flows and jurisdictions



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# Benefits of Engine Edge Computer

## Tax Determination *on the Edge*

| | |
|---|---|
| **Fast Calculation** | Very **fast calculation** response times due to proximity to client's transactional systems, reduced network latency |
| **Full Tax Engine** | Full features and **power of tax determination engine** at point of transaction |
| **Cloud Benefits** | **Low maintenance, always up to date** software version and content, auto-synchronization |
| **Tax Accuracy** | Customer can apply all **same tax policy logic they would use in On premise** version |
| **Business Requirements** | Meet customer's **security requirements** |
| **Your Deployment Preference** | Flexibility in ways the tax calculation service can be accessed within client's infrastructure. **Cloud, Data center, 3rd party cloud provider etc** |
| **Lightweight Footprint** | Self optimizing design |

# Benefits comparison: Requirements Vs Engine low latency deployment models

| Requirements | On-Premise | Fake Edge (Extract) | True Edge |
|---|---|---|---|
| Calculation Speed mS | ✓ | ✓ | ✓ |
| Flexibility | ✓ | | ✓ |
| Accuracy | ✓ | | ✓ |
| Cloud Benefits | | | ✓ |
| Single Instance | | | ✓ |
| Lightweight footprint | | | ✓ |
| Deployment Preference | | | ✓ |

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# Wrap Up

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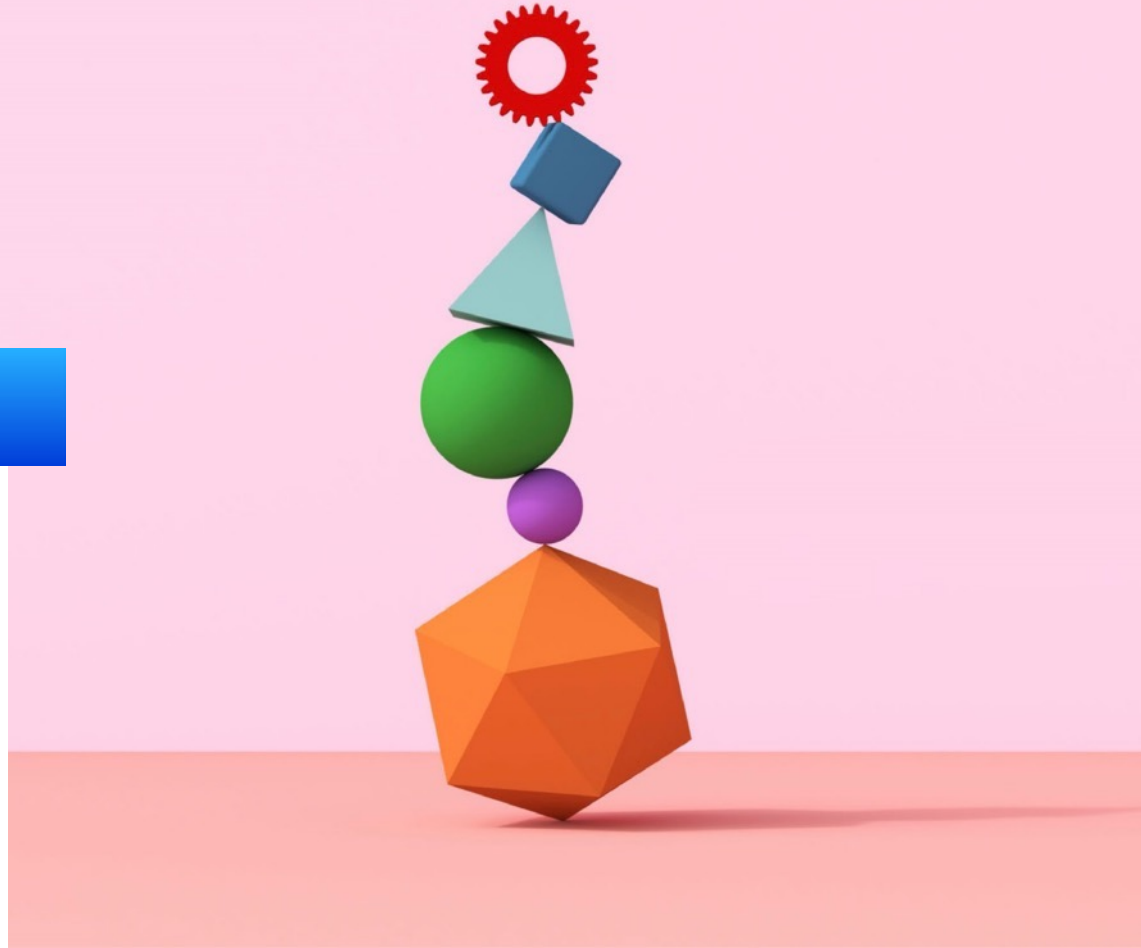

# Key Points to Take Home

- Engine design to provide benefits to 3 teams: IT, Tax & Operations
- Engine delivers: Accuracy ,Control, Efficiency
- Supports the business: footprint and range of transactional flows
- True Engine Edge Computing should meet the criteria:
  - Performance : Speed, scalable
  - Extension to cloud with a level of autonomy, yet have the benefits of cloud
  - Offers full engine functional capability

# Where to Find More Information

- **Articles describing the details of todays topic**

- Accounting Today: Indirect tax becoming more of a challenge
- AccountingWeb: Thomson Reuters Launches Indirect Tax Platform
- AI Tech Park: Thomson Reuters Launches First Edge-Computing Tax Engine
- AIThority: Thomson Reuters Launches First Edge-Computing Tax Engine on the Market
- ZDNet: Thomson Reuters unveils cloud-based tax platform
- CPA Practice Advisor: Thomson Reuters Launches Determination Anywhere Platform for Indirect Tax
- Edge IR: Thomson Reuters leverages edge computing for tax calculation platform
- Flipboard: Thomson Reuters unveils cloud-based tax platform
- Finextra: Thomson Reuters launches edge computing tax platform
  - *Syndicated to Cryptocurrency News Report*
- TMCNet: Thomson Reuters Launches First Edge-Computing Tax Engine on the Market
  - *Press release reprint - also published to The Herald News, The Rogersville Review, The Newport Plaintalk, The Greeneville Sun, and User Walls*
- The Advocate and Democrat: Thomson Reuters Launches First Edge-Computing Tax Engine on the Market
- VM Virtual Machine: Thomson Reuters introduces cloud-based tax platform
- Funtitech: Thomson Reuters Announces Cloud-Based Tax Platform
- Newsbreak: Thomson Reuters unveils cloud-based tax platform
- ITechnology Series: Thomson Reuters Launches First Edge-Computing Tax Engine on the Market
- Crowdfund Insider: Thomson Reuters Introduces Edge-Computing Tax Engine

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# THANK YOU


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