



Modernize SAP | Accelerate Outcomes | Today

Beyond PIPO: Modernizing SAP Integration

Lemongrass & Red Hat Webinar | August 13th

Agenda

1. The Integration Landscape Has Changed
2. **SAP Integration Suite:** One Platform, Five Capabilities
3. **Edge Integration Cell:** Integration Closer to Your Data
4. **Red Hat OpenShift:** The Enterprise Runtime
5. **Next Steps:** Building Your Integration Architecture for the Next Decade

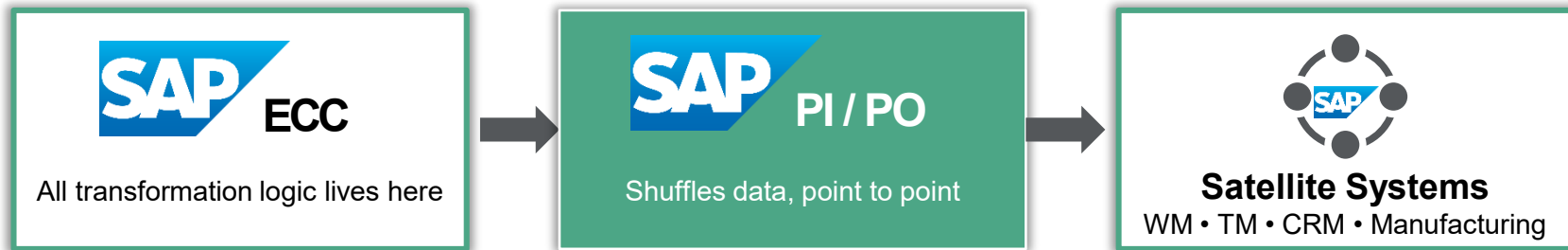


lemongrass

The Integration Landscape Has Changed

Yesterday's SAP Landscape Was Simple

One core system. Point-to-point interfaces. A single, well-understood pattern.



- Data processing ran largely as batch jobs and point-to-point interfaces
- PIPO added security around the transaction and moved data from one place to another
- ECC did all the heavy lifting — extraction, transformation, and formatting

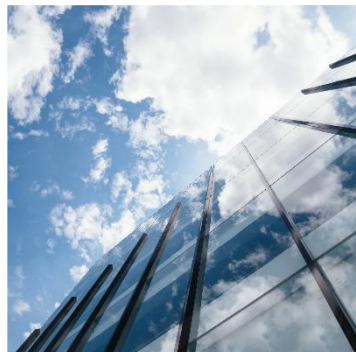
Today's Enterprise Looks Completely Different

Four forces have reshaped the SAP-centric landscape



Microservices & SaaS Everywhere

Collaboration, testing, procurement, and sales tools

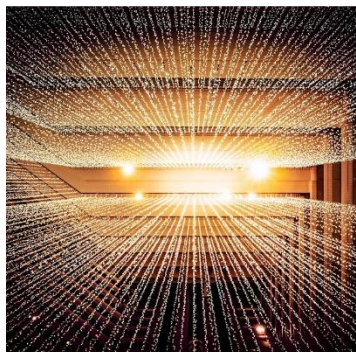


Multi-Cloud Hyperscalers

AWS, Azure, GCP, and others replace the single private or managed data center

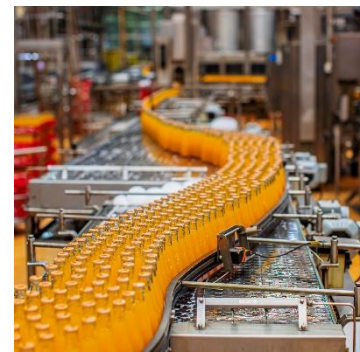
Shrinking ECC, Rising AI

Fewer customers on ECC, more mid-migration to S/4HANA, and AI hype reshaping expectations



Manufacturing Edge

OT data, APIs, events, and partners all now need to be addressed on their own terms



Integration Is Now the Digital Nervous System

Moving data from point A to point B is no longer the job

2027

PIPO end of maintenance

1→10

One API can replace ten
point-to-point interfaces

0

New interfaces needed when a
consumer subscribes to an event



- The integration layer now does the transformation work, not the back-end ERP
- Traditional point-to-point patterns add rigidity, fragility, and cost as new systems come online



Four Reasons to Modernize Now

End of maintenance is the trigger but is not the only reason to move

01

End of Maintenance

PIPO reaches end of maintenance in 2027 across the NetWeaver stack

02

Accumulated Technical Debt

Dormant interfaces no one will turn off, and transformation logic buried in ECC

03

Rising Operational Cost

Extended maintenance, licensing, and hardening costs climb the longer PIPO stays in place

04

Shrinking Skills Pool

Talent is re-skilling toward modern platforms, making PIPO expertise harder to find and retain



Before, During, or After S/4? Plan the Sequence

Every sequence has trade-offs — there is no universal right answer

Sequence	Advantage	Trade-off
Before S/4	Full team focus; functional testers have bandwidth before S/4 workshops begin	Requires a dedicated project ahead of the S/4 program
During S/4	One combined program and cutover	Resources are split across fit-to-standard, RICE, and testing at once
After S/4	S/4 go-live isn't delayed by an integration re-platform	Technical debt is carried into S/4, compounding cost and risk





lemongrass

SAP Integration Suite:
One Platform, Five Capabilities

The Foundation: Cloud Integration & API Management



Cloud Integration

- The rebuilt, cloud version of PIPO
- Transforms, retries, and handles errors and idempotency
- The baseline capability every integration platform needs



API Management

- Expose one endpoint that many consumers can call
- Ten point-to-point material master interfaces become one API
- Built-in governance, metering, security, and versioning



Extending Reach: B2B and Event-Driven Integration

Trade Partner Management

- A robust, built-in EDI capability for procurement and invoicing
- Replaces the third-party VAN and its MIGs, MAGs, and mapping
- One platform, one observability view, one skill set to maintain

Eventing

- Publish once; any system can subscribe and consume
- New consumers can come online with no new integration work
- The trigger pattern behind most agentic AI use cases



Open Connectors: Weeks of Work, Hours to Live

Pre-built connectivity to SaaS platforms, ready to configure

1 week+

Point-to-point research, zero lines
of code written



4 hours

Live DocuSign proof-of-concept
using a pre-built connector



A recent example: A stalled point-to-point DocuSign integration became a working proof of concept the same afternoon.



Three Integration Patterns That Scale

Moving beyond point-to-point, one capability at a time

API-Led

- Expose a business capability once, let consumers reuse it
- Built-in governance, metering, and versioning

Event-Driven

- Publish once; every subscriber decides what it needs
- The natural trigger for agentic AI use cases

Hybrid

- Not every workload belongs in the cloud
- Choose the runtime per workload, not per platform





lemongrass

Edge Integration Cell:
Integration Closer to Your Data

Why EIC Matters

Solving for latency, data residency, and resilience

1

Low latency for manufacturing OT

High-frequency, small payloads need to land fast and reliably

2

Data residency and compliance

Know where data sits at all times — SOX, GDPR, and beyond

3

Disconnected operations and resiliency

Patchy connectivity shouldn't break system-to-system communication



What EIC Gives You

One platform, one pane of glass, deployed wherever you need it



Centralized Control

A single cloud control panel across every integration pattern



Localized Runtime

Deploy into your own data center with more control over compute and HA



Automatic Scaling

Infrastructure scales with the workload, without manual intervention



Single Observability

Monitor cloud and on-premise runtimes from the same view





Red Hat OpenShift: The Enterprise Runtime

Delivered in partnership with



Kubernetes, Simplified

The autopilot for your software — and where your EIC runtime lives

“If a server crashes at 2 a.m., Kubernetes fixes it before anyone’s phone buzzes.”

- Modern applications run as dozens of small, independent containers, not one big program
- Kubernetes decides what runs where, restarts failures, and adds capacity under load
- An industry standard, not a vendor product, that runs on every major hyperscaler



Why OpenShift Powers EIC at Enterprise Scale

Enterprise-grade resiliency, wherever the runtime is deployed



High Availability

Multiple clusters and a load balancer mean automatic failover if one node goes down

Zero-Downtime Upgrades

Stand up an updated cluster, switch over, then retire the old one with no outage window

Hyperscaler-Agnostic

An industry standard supported across every major cloud and data center



The Architecture Comes Together

Three layers, one coherent integration strategy

SAP Integration Suite: Cloud Integration, APIs, B2B, Eventing

Edge Integration Cell: Runtime Deployed Where You Need It

Red Hat OpenShift: Enterprise Kubernetes Runtime

The question isn't how to replace PIPO... it's how to build for the next decade.





lemongrass

Thank You

Let's build your next-decade integration architecture