

# Red Hat Integration for SAP

Streamline integration to connect applications and data across hybrid clouds

## Red Hat Integration includes:

- Red Hat Fuse
- Red Hat AMQ
- Red Hat 3scale API Management
- Red Hat Runtimes

Businesses and organizations that depend on SAP's enterprise resource planning (ERP) technology face multiple challenges as they become intelligent enterprises. Along with the migration to SAP S/4HANA® and increasing demand for interfaces from systems of record to systems of innovation, they must also implement the cultural and organizational changes needed to develop software for hybrid cloud.

SAP recommends their customers keep the digital core clean, which means keeping the system of record simple and not modifying SAP's standard code. IT organizations need a quick and efficient way to decouple the core and integrate legacy systems, cloud-native applications, and microservices with SAP S/4HANA. Red Hat® Integration helps decouple the SAP core, extend existing landscapes, and modernize SAP and non-SAP applications and development practices for agility, speed, and innovation.

## Red Hat Integration

Red Hat Integration is an agile, distributed, containerized, and API-centric solution with a comprehensive set of integration and messaging technologies to connect applications (SAP and non-SAP) and data across hybrid infrastructures. It provides service composition and orchestration, application connectivity and data transformation, real-time message streaming, change data capture, and API management—all combined with a cloud-native platform and toolchain to support the full spectrum of modern application development.

Red Hat Integration allows developers to integrate the SAP core and SAP applications with internal and external systems across hybrid architectures. It's easy to deploy using pre-built operators and can run everywhere you're running Red Hat—on-premise, cloud, or hybrid cloud. It also reduces time-to-market by supporting developers and DevOps teams with a self-service platform and automated software development life-cycle tools.

## Integrate applications and data across hybrid clouds

Using Red Hat Fuse, integration experts, application developers, and business users can independently develop connected solutions in the environment of their choice. Red Hat Fuse is a distributed integration platform that connects everything from legacy systems to partner networks and IoT devices using application programming interfaces (APIs).

You can deploy enterprise integration patterns (EIPs)-based integrations using more than 200 plug-gable connectors to connect new and existing data across hybrid clouds. You can also develop and manage microservices in containers that use SAP workloads as a backend so they can adapt easily and scale quickly. In addition, Red Hat Fuse connectivity to SAP ECC and SAP S/4HANA (which is SAP certified) saves development time and expense. It also helps decouple the SAP core and keep it clean because no new code needs to be created inside of SAP using ABAP. This significantly simplifies any SAP upgrade.

### Extend integration to the outer edges of your enterprise

Red Hat AMQ helps integrate SAP services, applications, endpoints, and devices quickly and efficiently using various messaging patterns to support real-time messaging. Red Hat AMQ—based on open source communities like Apache ActiveMQ and Apache Kafka—is a flexible messaging platform that delivers information reliably to support real-time integration and connect the edge devices. With Red Hat AMQ you can share data between legacy applications, cloud-native applications, microservices, and SAP services in real time with high throughput and low latency.

### Centralize control of SAP APIs

Red Hat 3scale API Management offers centralized control of your SAP APIs—including analytics, access control, monetization, developer workflows, and more. It reduces the time and expense of managing multiple SAP APIs. Red Hat 3scale API Management makes it easy to manage your APIs. You can share, add security, distribute, control, and monetize APIs on an infrastructure platform built for performance, customer control, and future growth. 3scale API Management components can reside in on-premise, cloud, or hybrid environments.

### Build and deploy new applications and services in minutes

Red Hat Runtimes streamlines application development and reduces OpEx with a set of products, tools, and components for developing and maintaining cloud-native applications. It offers light-weight runtimes and frameworks for highly distributed cloud architectures, like microservices, that can be quickly and easily integrated with the SAP core with Red Hat Fuse. Red Hat Runtimes launcher creates all the necessary application boilerplate code so developers can focus on writing business logic and delivering value.

### Why Red Hat

Red Hat is the complete and open infrastructure for all SAP workloads, and the ideal foundation for hybrid cloud. Red Hat's portfolio-based offerings focus on IT optimization, agile integration, hybrid cloud infrastructure, cloud-native app development, and automation—all of which are turnkey components for current and future SAP environments.

SAP recommends keeping the SAP digital core clean to reduce the time and cost associated with upgrades and migrations. Red Hat Integration is a key component to help you extend SAP systems and adopt the modern application development practices that can provide the agility to go to market faster and encourage innovation.

For more on Red Hat solutions for SAP, visit [redhat.com/sap](https://redhat.com/sap) or email us at [sap@redhat.com](mailto:sap@redhat.com).



### About Red Hat

Red Hat helps customers standardize across environments, develop cloud-native applications, and integrate, automate, secure, and manage complex environments with [award-winning](#) support, training, and consulting services.

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