

# Go Beyond Traditional SAP Job Scheduling

Automate SAP and Non-SAP Jobs  
in Hybrid IT Environments  
Spanning On-Premises,  
Cloud, and Containers

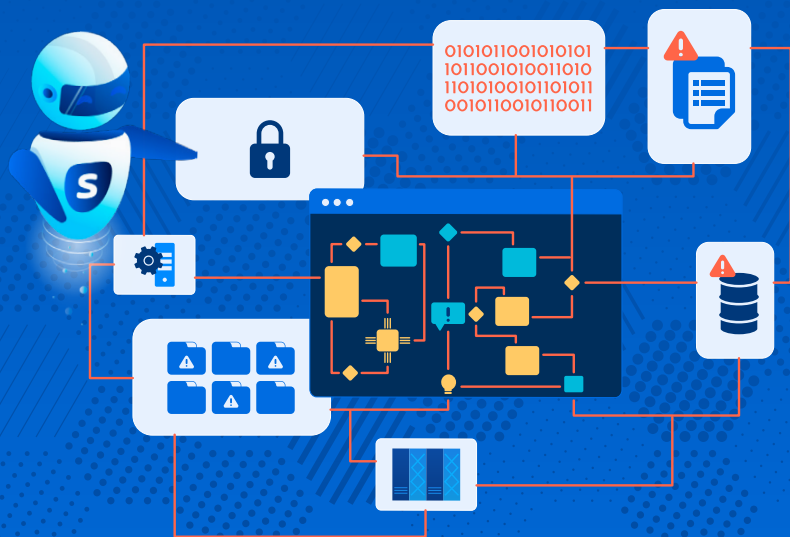


stonebranch

## SAP Scheduling. Reinvented.

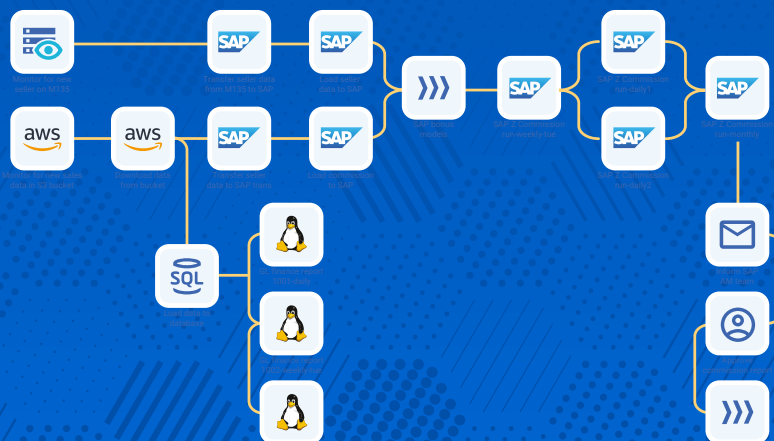
Organizations rely on SAP to run critical business operations from finance to HR to manufacturing and beyond. However, traditional SAP job scheduling tools (e.g., SM36/SM37, SAP BPA/CPS, Solution Manager) are limited in scope, difficult to maintain, and focused narrowly on SAP-specific tasks. These legacy tools struggle with event-based triggers, error recovery, and hybrid IT orchestration.

Stonebranch Universal Automation Center (UAC) offers a transformative approach.



# Unify SAP and Non-SAP Automation.

As a SOAP, Universal Automation Center enables real-time, event-driven automation across both SAP and non-SAP environments, whether on-premises, in the cloud, or in containers. With its centralized control, UAC provides a single platform to manage workflows, file transfers, and business processes that span the entire IT ecosystem.



## What is a **SOAP**?

**Gartner®**

The service orchestration and automation platform (SOAP) category was coined by Gartner in 2020. At the time, they noted that SOAP was not a new category but rather an evolution of the traditional workload automation category, defined by six differentiating capabilities:

- Workflow orchestration
- Event-driven automation
- Self-service automation
- Scheduling, monitoring, visibility, and alerting
- Resource provisioning
- Data pipeline management

In 2024, Gartner released the first **Magic Quadrant for SOAP** report. Click below for complimentary access to the latest Gartner report.

## Meta-Orchestration for All Things SAP.

For those enterprises moving to RISE with SAP — SAP's strategic cloud-based offering that bundles infrastructure, software, and managed services — UAC becomes a crucial enabler. It helps simplify the migration and ensures secure, compliant, and observable operations in alignment with SAP's Clean Core strategy.

UAC serves as a meta-orchestration platform that bridges:

- SAP S/4HANA
- RISE with SAP S/4HANA Cloud
- SAP Business Technology Platform (BTP)
- SAP BW and ERP
- Third-party systems and cloud-native tools

This unified orchestration is critical in today's fragmented, hybrid IT environments where seamless integration is mandatory for business agility.

Stonebranch UAC doesn't just automate SAP jobs. It redefines how IT organizations orchestrate digital operations across platforms.



# Table of Contents

Overcoming Key Challenges in SAP Operations . . . . .	6
Stonebranch UAC: A Unified Orchestration Platform . . . . .	7
SAP Certified for Enterprise-Grade Integration . . . . .	9
10 Benefits of Orchestrating Automation with UAC . . . . .	10
How Does Universal Automation Center Work? . . . . .	11
Pre-Built SAP Integrations for UAC . . . . .	13
Conclusion . . . . .	14

## Overcoming Key Challenges in SAP Operations

SAP operations are becoming more complex as organizations modernize and scale their IT ecosystems. Whether adopting new SAP services or connecting hybrid environments, IT teams face mounting pressure to maintain performance, security, and compliance — all while enabling business agility.

### Technical Complexity

SAP landscapes often span multiple systems, technologies, and environments. Common challenges include:

- Managing a growing number of external applications, APIs, and B2B file transfers in hybrid IT ecosystems.
- Integrating SAP BTP services into end-to-end workflows.
- Coordinating automation across on-prem systems, containers, and cloud platforms — without losing visibility or control.

### Operational Demands

Beyond technical execution, ops teams must align automation strategies with broader business goals:

- Delivering reliable, real-time automation that supports dynamic scheduling types — including time-based, file-based, webhook, and event-driven triggers.
- Ensuring seamless observability and auditability across SAP and non-SAP systems to meet compliance requirements and reduce risk.
- Standardizing operations under SAP Clean Core strategy.
- Minimizing disruption while transitioning from legacy systems to S/4HANA and RISE with SAP.

Stonebranch UAC addresses these challenges by unifying control across all SAP and non-SAP systems — delivering real-time, event-driven orchestration to the enterprise.

## Success Spotlight

### SaaS SAP Automation



When migrating their on-premises systems to the cloud, a Dubai conglomerate wanted a modern, SaaS-based automation solution that could:

- Single-handedly orchestrate jobs in both environments.
- Provide a single view of all job definitions.
- Send error alerts for task failures.
- Configure advanced workflows with dependencies and chains.
- Scale beyond their current 75,000 jobs per day across 15 SAP instances, while managing 2,000 SAP ABAP definitions and 700 freeware automation tool definitions.

Why did this customer choose Stonebranch UAC? Two reasons:

- Flexible, **active-active agent clusters** for on-premises and cloud SAP. When all systems are in the cloud, the clusters can act as a load balancer.
- **Easy integration with third-party applications**, today and in the future.



## Stonebranch UAC: A Unified Orchestration Platform

In today's hybrid IT environments, SAP landscapes are no longer isolated. They're woven into a broader ecosystem of applications, data platforms, and hybrid infrastructure. To orchestrate effectively, enterprises need more than a traditional scheduler. They need a unified command center.

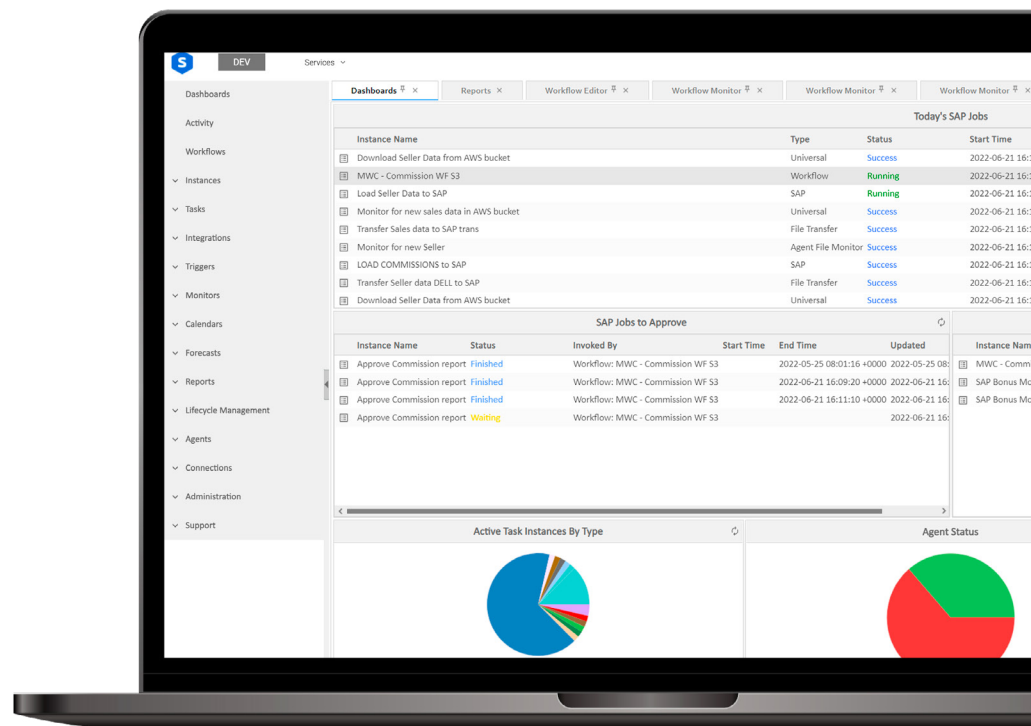
Stonebranch UAC acts as that command center. It's a meta-orchestration platform designed to span SAP systems and non-SAP systems alike. UAC connects processes, applications, and data pipelines across the enterprise, enabling centralized control, governance, and full operational visibility.

### What is Universal Automation Center?

Stonebranch UAC is a real-time IT automation and orchestration platform that empowers enterprises to centrally control jobs and workflows across any mix of on-prem, cloud, and hybrid environments — including complex SAP landscapes. Key capabilities include:

- **End-to-end business process orchestration** across SAP and non-SAP systems
- **Agent-based and agent-less** connectivity options
- **No thick client installation** required for on-prem deployments
- SaaS-based deployments require **no local install**
- Built-in **enterprise-grade security** and auditability
- Secure **managed file transfer** support

This robust feature set ensures UAC maintains control and compliance in even the most dynamic and diverse IT ecosystems.

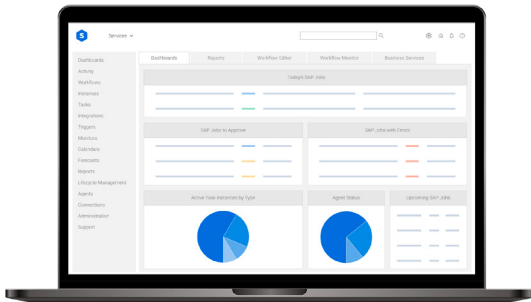


**SAP Certified**  
Integration with RISE with SAP S/4HANA Cloud

**SAP® Certified**  
Integration with SAP S/4HANA®

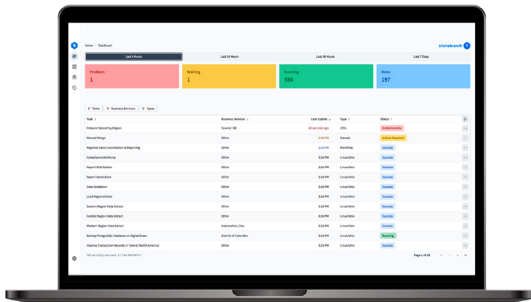
## Who Uses Universal Automation Center?

UAC is designed for a wide range of **users across IT and business functions**, with a user-friendly interface and role-based access controls. This enables teams — from IT operations to developers and business analysts — to interact with automation in the ways that suit them best, including:



### Universal Automation Center (Classic Interface)

Best suited for automation power users. Includes **Enhanced View** — a modern visual layer that provides intuitive, real-time insights into job flows, task dependencies, and system health. Anyone accustomed to SAP screens will find Enhanced View familiar and easy to use.

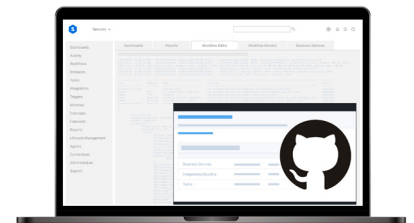


### Universal Portal

A simplified **self-service portal** tailored for non-technical users. It enables them to check statuses, trigger workflows, and review automation results — all without writing code or navigating complex interfaces.

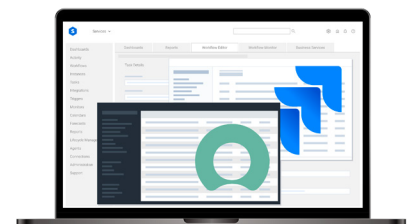
### Jobs-as-Code

Empowers developers to define automation using standard IDEs like **Visual Studio Code**. Integrated with **GitHub** and similar repositories, this approach streamlines version control and collaborative development.



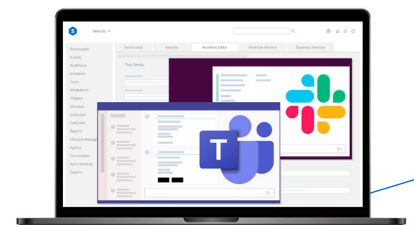
### ITSM and Communication Integrations

UAC integrates with platforms like **ServiceNow**, **Jira**, **Slack**, and **Microsoft Teams** for notifications, approvals, ticketing, and workflow interactions — all within the user's preferred tools.



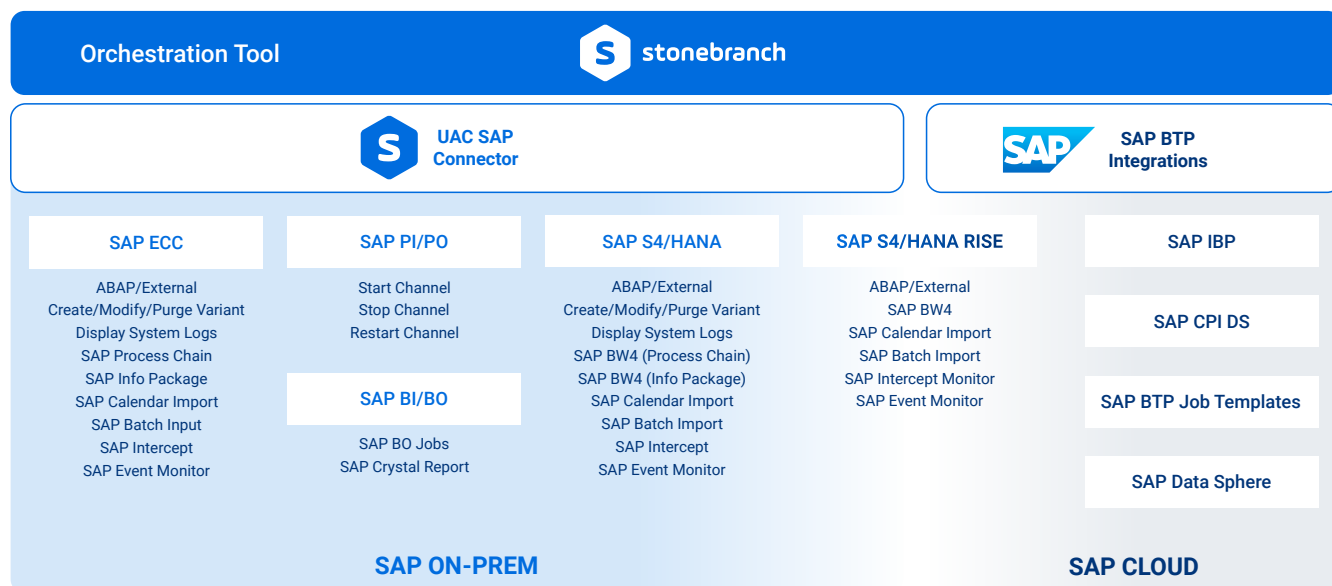
## Empowering the Entire Enterprise

UAC enables IT Ops to retain centralized control while empowering citizen automators to work in familiar interfaces. This self-service model streamlines collaboration, enhances productivity, and extends automation capabilities across the organization.





## UAC Orchestrates the SAP Ecosystem



UAC offers deep integration with SAP solutions. Teams can easily schedule and monitor jobs, initiate ABAP executions, manage variants, and orchestrate process chains — all from a centralized, web-based interface.

Jobs can be triggered by time (using SAP or custom calendars), file events (e.g., AWS S3, Azure Blob), messages (e.g., AWS SQS, Kafka), webhooks, or SAP-native events.

- **Integrate and orchestrate** SAP ECC, BW/4HANA, HANA, S/4HANA, BTP, and more — alongside non-SAP workloads in Linux, Windows, Kubernetes, and public clouds.
- **Eliminate silos** between SAP systems and third-party tools, such as CRM, data warehouses, and more.
- **Automate complex, event-driven workflows** that span from a webhook in AWS to a report execution in SAP BW, or from a file drop in S3 to a BTP data load.

This holistic orchestration approach ensures business-critical processes flow seamlessly, securely, and without interruption — even in the most fragmented IT environments.

## SAP Certified for Enterprise-Grade Integration

Stonebranch has been a **Certified SAP Partner** for over 20 years. Our commitment to quality, security, and compatibility is affirmed through our official SAP certification.

Stonebranch achieved certified recognition for the following:

- XBP 1.0 through 3.0 certification
- Works with RISE with SAP
- Compatible with SAP S/4 HANA
- Compatible with SAP S/4 HANA Cloud, Private Edition

This certification ensures that organizations can integrate and automate their SAP environments with complete confidence – knowing the tools they rely on meet SAP’s rigorous standards for compliance, scalability, and interoperability.



## Integration Spotlight Universal Connector for SAP



Certified by SAP, this feature-rich direct integration connects UAC and SAP to:

- Improve control and visibility of end-to-end SAP processes.
- Connect SAP and non-SAP tasks within the same workflow
- Optimize error handling – restart a workflow at any point.
- Enable full audit trails and reporting to maintain compliance.

## 10 Benefits of Orchestrating Automation with UAC

### 1 Meta-Orchestration Across SAP and Non-SAP Systems

Modern SAP landscapes demand more than job scheduling. They require a unified, secure, and cloud-ready orchestration platform — especially for organizations adopting RISE with SAP or managing hybrid environments. Stonebranch UAC delivers real-time control, deep SAP integration, and centralized governance across your entire IT ecosystem.

### 2 Event-Based Orchestration

Trigger jobs automatically based on real-time events — including SAP-native triggers, file arrivals, webhook calls, or messages from platforms like AWS SQS. UAC's event-driven model ensures responsive, autonomous operations across cloud and on-prem systems.

### 3 Self-Service Automation

Empower developers, analysts, and business users with self-service automation tools that fit their needs and skillsets. Stonebranch UAC empowers citizen automators with everything from jobs-as-code to the Universal Portal.

### 4 Hybrid Integration for RISE with SAP

Seamlessly orchestrate across RISE with SAP, SAP BTP, and traditional on-prem systems. UAC enables hybrid automation strategies while supporting clean extensibility through APIs and connector frameworks.

### 5 High Availability and Scalability

Achieve >99.5% uptime with active-active clustering, automatic failover, and workload distribution. UAC scales to handle millions of SAP and Linux jobs daily — including complex ABAP chains and BTP tasks.

### 6 Secure Managed File Transfers (MFT)

Treat file transfers as native tasks within your workflows. UAC's enterprise-grade MFT includes encryption, compression, restart functionality, and full logging — ideal for regulated industries like banking and healthcare.

### 7 SaaS or On-Prem Deployment Options

Choose the deployment model that fits your strategy — SaaS in AWS or on-prem. Both offer TLS 1.3, SSO/SAML, and agentless SAP connectivity for quick, secure integration with existing environments.

### 8 SAP-Specific Automation Features

Stonebranch UAC natively supports:

- ABAP job orchestration and variant handling
- Process chain and InfoPackage execution
- BTP and CPI DS task scheduling
- System log retrieval, event monitoring, and restart

These capabilities are SAP-certified and continuously validated for compatibility with evolving SAP platforms.

### 9 Centralized Observability and Auditability

Monitor and manage workflows in real-time using customizable dashboards. Built-in audit trails, before/after job snapshots, and SOX-compliant logging ensure governance and transparency at scale.

### 10 Faster Time-to-Value

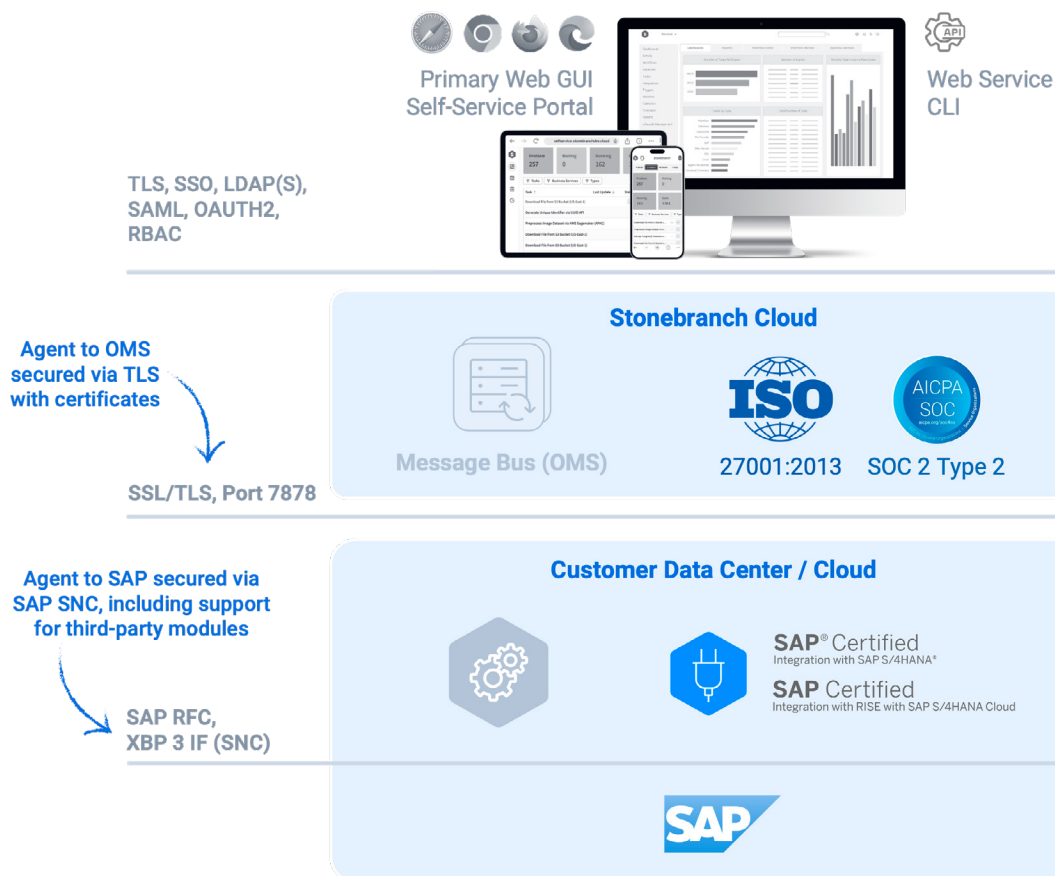
From XCT-based SM36 job migration to pre-built integrations with SAP and third-party tools, UAC accelerates onboarding. Teams can orchestrate end-to-end workflows in days — not weeks — while reducing reliance on specialized SAP administrators.

## How Does Universal Automation Center Work?

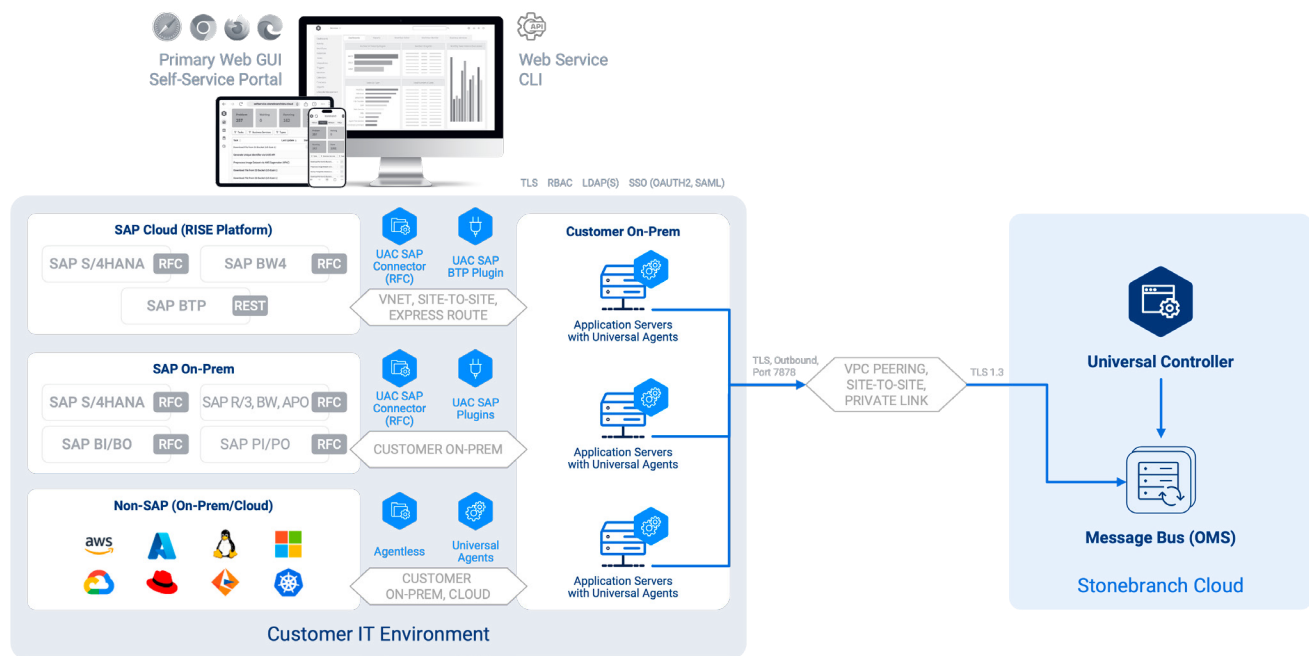
Stonebranch UAC is architected to meet enterprise-grade security and reliability standards. The SAP Connector, a core component of UAC, facilitates communication between customer environments and SAP systems using RFC. This connector is secured using SAP Secure Network Communication (SNC) protocol.

A Universal Agent is deployed in the customer's on-premises or cloud infrastructure to facilitate job execution. This agent communicates with SAP via encrypted channels (TLS 1.3), and no software installation is required on the SAP host itself. Authentication and access control are enforced through standards such as SSO, LDAP(S), SAML, and role-based access control (RBAC).

## Integrating UAC with SAP



## SAP-UAC Connectivity and Integration Options



The UAC SAP Connector offers flexible and secure integration options for both SAP RISE and traditional on-premises SAP environments. Connectivity to SAP RISE is typically established through secure network options such as VNet Peering, IPsec VPN, or private links like Azure ExpressRoute.

For communication with SAP systems, the connector supports multiple protocols: RFC via the SAP Application Server or Load Balancer (with optional SAP Router), as well as HTTPS for modern REST API-based integrations through SAP BTP. It also enables direct database access using ODBC/JDBC for HANA and supports secure data transfer and remote execution via SSH and SFTP.

By using the same SAP Connector across cloud and on-prem systems, organizations can maintain a consistent integration approach and reduce configuration and administrative effort.

## Pre-Built SAP Integrations for UAC

Click on the buttons below to view detailed documentation for each pre-built SAP integration.

### **SAP ERP, SAP BW, SAP S/4HANA**

Automate job scheduling and workload management across core SAP environments.

[View Documentation](#)

### **SAP Batch Input Map**

Import data into SAP (typically from non-SAP solutions).

[View Documentation](#)

### **SAP HANA and XSA Jobs**

Integrate and execute jobs using database connectors and SAP-specific tasks.

[View Documentation](#)

### **SAP BusinessObjects and SAP Data Services**

Automate ETL pipelines and reporting with native support for job definitions.

[View Documentation](#)

### **SAP BusinessObjects Web Intelligence (WEBI) and Crystal Reports**

Automate job schedules.

[View Documentation](#)

### **SAP Cloud Data Services (CPI DS)**

Automate ETL services within CPI DS.

[View Documentation](#)

### **SAP Business Technology Platform (BTP)**

Automate job scheduling across Cloud Foundry and CPI Data Services, with support for SAP-native events, APIs, and webhooks.

[View Documentation](#)

### **SAP Cloud ALM Integration**

Enable intelligent job throttling using UAC webhooks based on live dialog process utilization metrics.

Coming Soon

### **SAP Job Scheduling Service Integration**

Automate and monitor job executions across SAP BTP services.

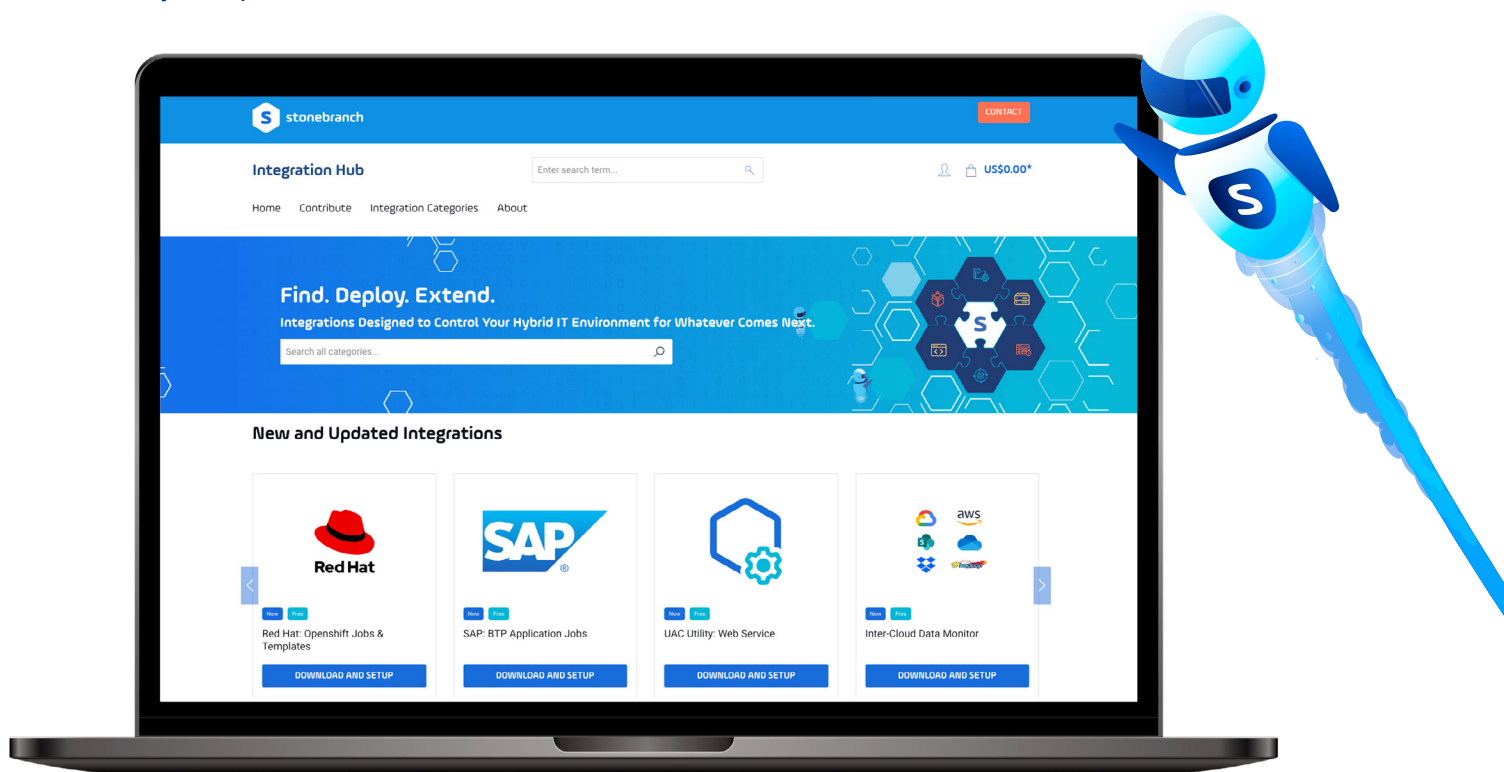
Coming Soon



## Stonebranch Integration Hub

All integrations are available through the [Stonebranch Integration Hub](#). This centralized portal enables IT teams to explore more than one hundred integrations, and implement them quickly and efficiently.

These integrations ensure UAC acts as a true meta-orchestrator – linking SAP systems to third-party apps like Qlik, Informatica, and cloud platforms like AWS and Azure, with full observability and security compliance.



## Conclusion

Stonebranch Universal Automation Center redefines how enterprises orchestrate SAP and non-SAP workloads across hybrid IT environments. From simple task automation to enterprise-grade meta-orchestration, UAC delivers the flexibility, security, and scalability required to meet modern demands.

Whether your SAP strategy is on-prem or cloud-based RISE with SAP, UAC unifies automation across your entire ecosystem, streamlines operations and drives transformation at scale.

## About Stonebranch

Stonebranch builds IT orchestration and automation solutions that transform business IT environments from simple IT task automation into sophisticated, real-time business service automation. No matter the degree of automation, the Stonebranch platform is simple, modern, and secure. Using Stonebranch Universal Automation Center, enterprises can seamlessly orchestrate workloads and data across technology ecosystems and silos. Headquartered in Atlanta, Georgia, with points of contact and support throughout the Americas, Europe, and Asia, Stonebranch serves some of the world's largest financial, manufacturing, healthcare, travel, transportation, energy, and technology institutions. For more information about Stonebranch, visit [www.stonebranch.com](https://www.stonebranch.com).



UAC works in hybrid IT environments across multiple platforms and business applications in real-time. Available on-premises or as a SaaS-based deployment, the UAC is a modern platform built to scale with your business.

To learn more about how an automation platform can drive your business forward, contact us today.

**CONTACT US**

**SCHEDULE DEMO**

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