What’s New in SAP Integration Suite

July 28, 2026

SAP

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Agenda



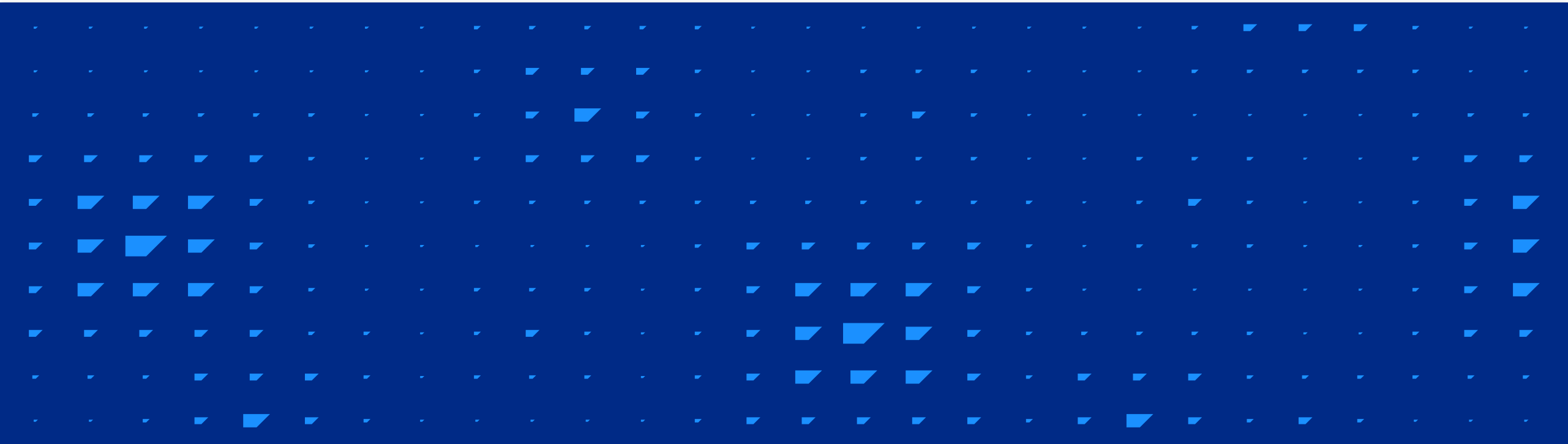
01 **API-centric Integration & MCP Gateway**
Vinayak Adkoli, Shivani Borkar

02 **Cloud Integration**
Sunny Kapoor

03 **Pipeline for Cloud Integration**
Alexander Bundschuh

API-centric Integration & MCP Gateway

Vinayak Adkoli, Shivani Borkar



API-centric integration – a new paradigm for unifying the API experience

Provide the developer community with unified, secure, controlled and compliant access to APIs:

One unified experience

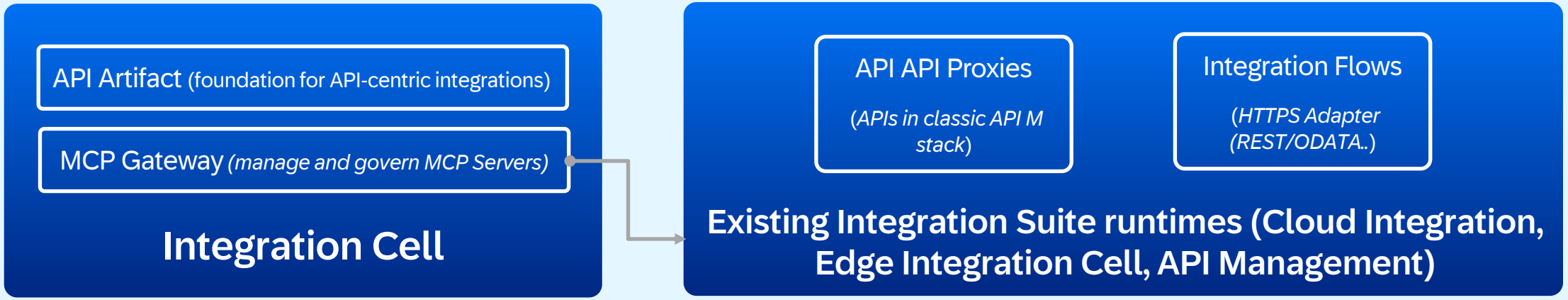
API-Centric Integration converges portions of the Cloud Integration and API Management functionality, simplifying how APIs are protected, secured, and monitored.

Powering agentic consumption

MCP Gateway for hosting and managing MCP Servers for API artifacts and other backend resources

A new deployment option

API-centric integration uses a new 'Integration Cell', a runtime designed specifically to enable this unification.



API-centric integration – what are we solving ?

Today, API Management and Cloud Integration are separate, loosely coupled capabilities of SAP Integration Suite

Consider API Administrators who secure and govern an Integration Flow, deployed by an Integration Developer

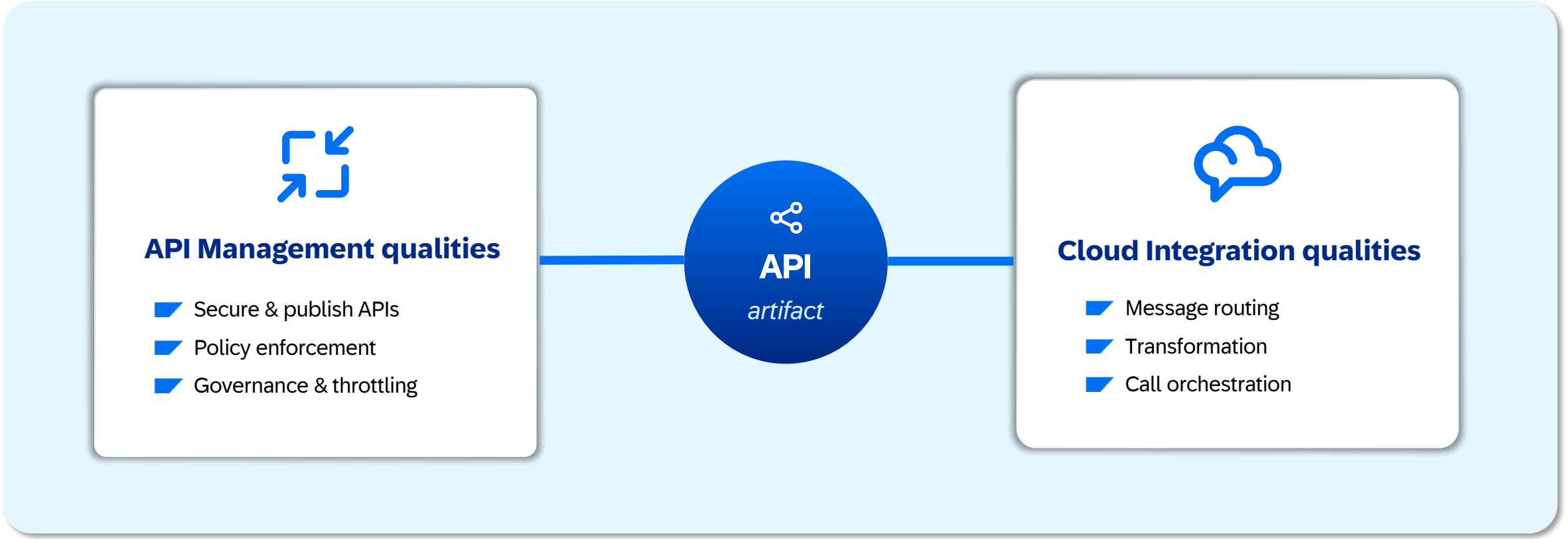
- Two different flow design user experiences and characteristics (e.g. templates vs. reusable "Process Direct")
- Different management patterns and access controls (e.g. IFlows are part of "packages", API proxies are not, API proxies offer API analytics, IFlows do not...)
- Multiple observability planes (IFlows are logged in "native" MPL, API proxies require message logging policy)
- Two messages per call: one for the API proxy call, a second for the IFlow execution



API-Centric Integration in SAP Integration Suite: A unified capability

A new paradigm for API and Integration practitioners

API Artifact: a new design element that **combines** the qualities of Cloud Integration and API Management



The Challenge of Connecting AI Agents to Enterprise APIs

Without a standardized API layer, every AI initiative requires custom integration, mapping, and governance



Without a governed way to expose APIs to agents:

The agent doesn't understand the API model. Developers must manually map schemas, fields, and structures into agent logic.

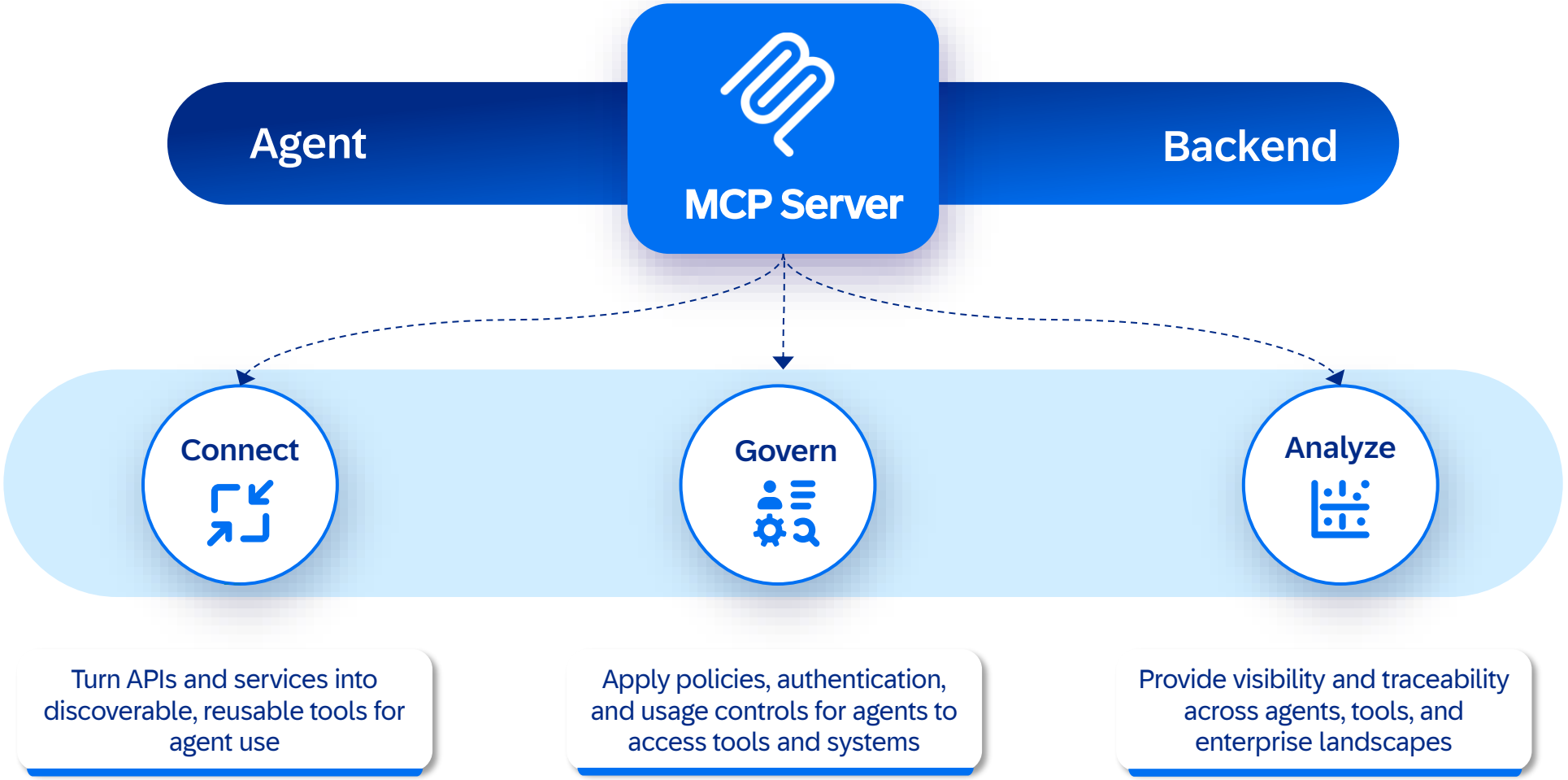
It's bespoke, every time. The next agent project, on the next API, repeats the same manual translation work from zero.

That mapping is brittle. If the backend schema changes, nothing tells the agent. The integration just breaks, silently

Security and governance is non-uniform. Auth, rate limits, and audit are only as consistent as each developer's diligence.

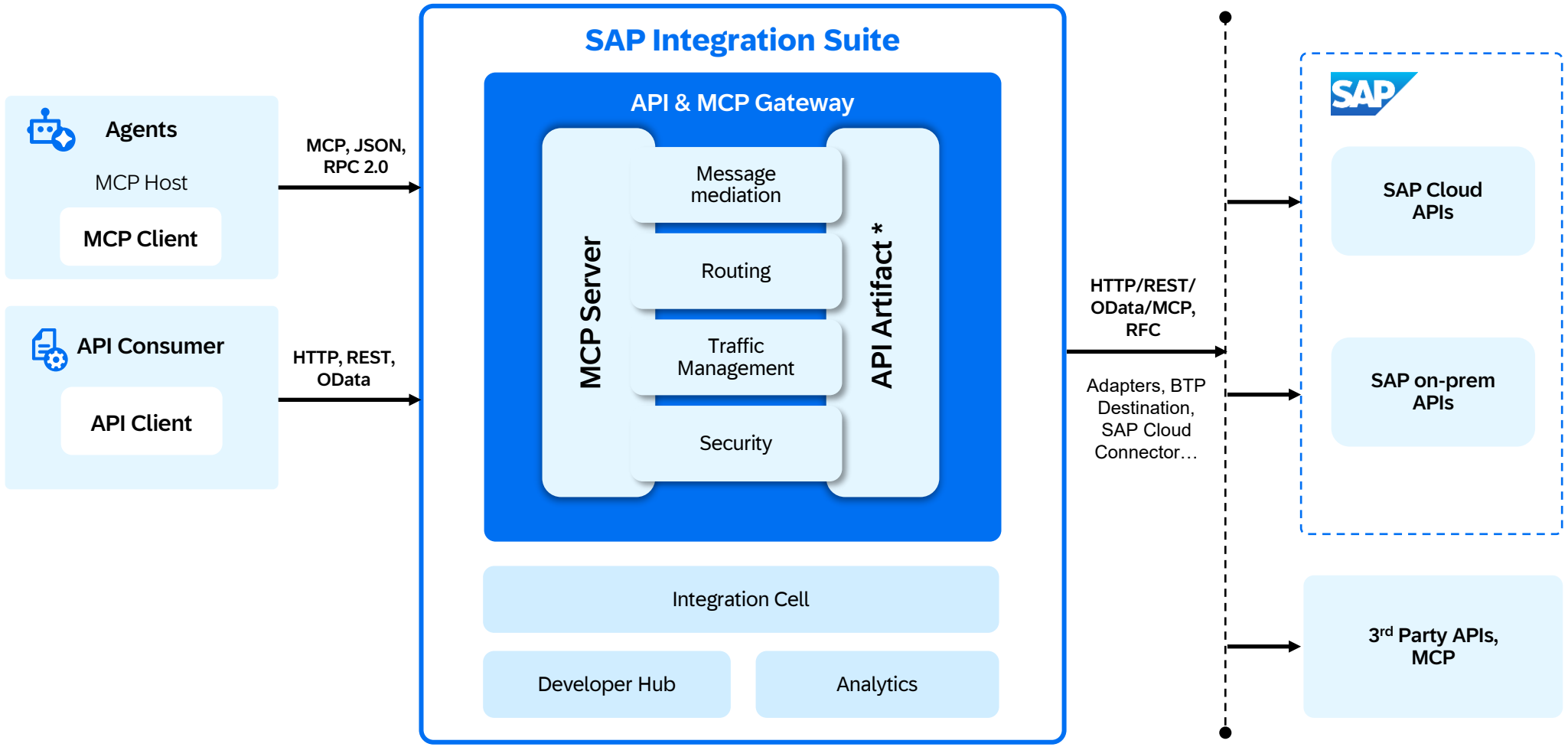
Introducing MCP Gateway in SAP Integration Suite

Your APIs, integrations, and data sources, exposed as governed, compliant MCP Servers



Governed MCP Integration Architecture

Securely connect agents and APIs through a unified, governed integration layer



* - optional / passthrough

MCP Gateway: Endorsed pathway for Agents to access SAP APIs

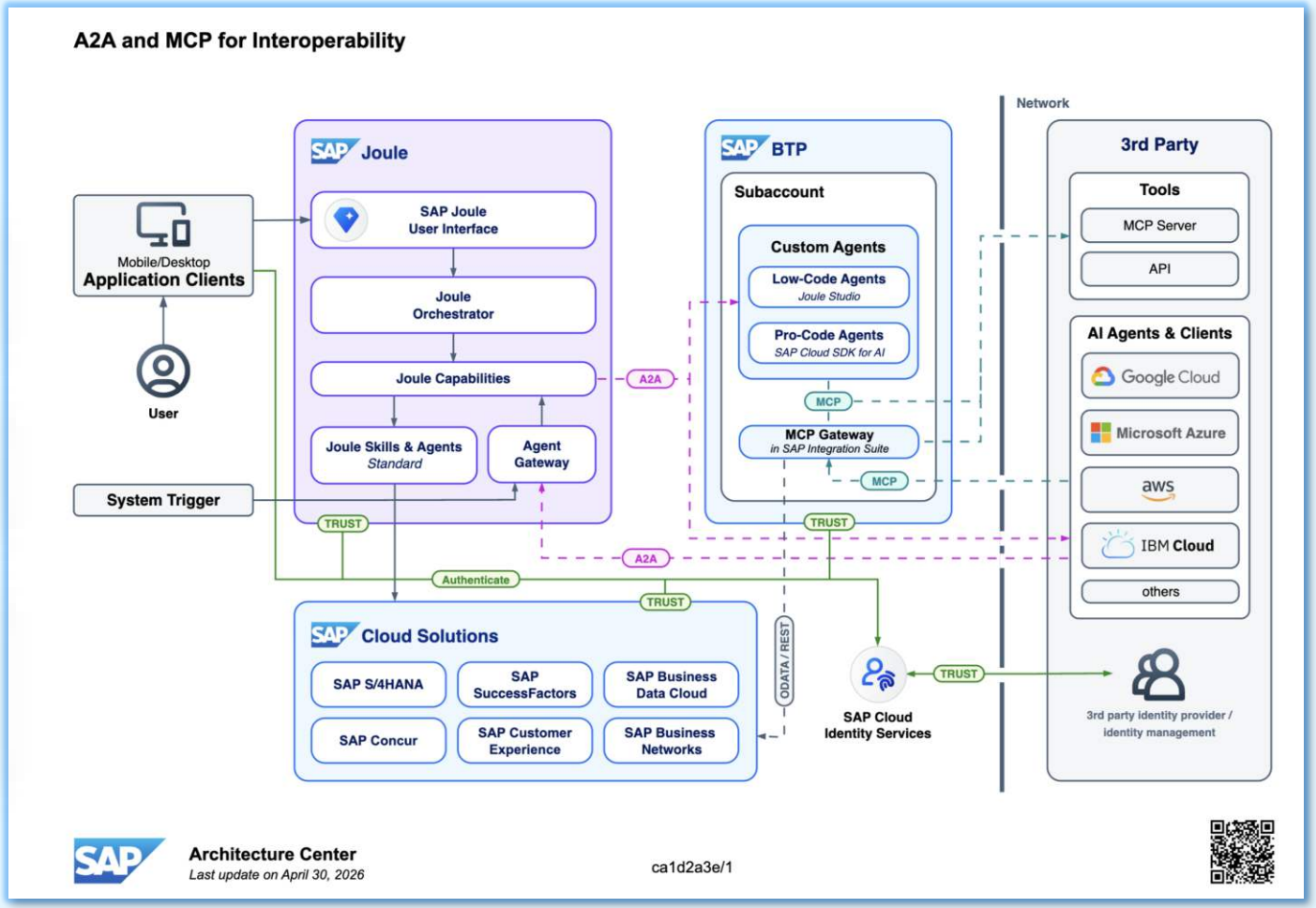
MCP Gateway is an endorsed pathway in SAP Architecture Center's reference architecture page

Recommendation Summary

External 3rd party Agents should use MCP Gateway to access SAP systems

3rd party MCP Servers should federate with MCP Gateway to access SAP Systems (*on roadmap)

Customer-managed pro-code and low code Agents deployed in SAP BTP context should use MCP Gateway to access SAP systems

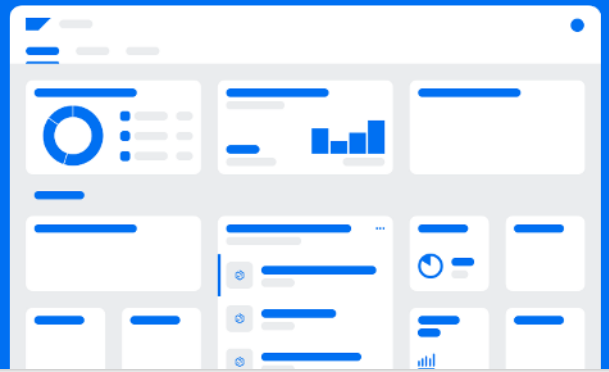


Multitude of Paths to Create MCP Server

- Natively from an API Artifact
- Specifications of APIs from existing API Management deployments, external deployments
- RFC / remote-enabled function modules from ECC / S/4HANA

MCP Gateway

Key Features
&
Benefits



Shield from Complexity

MCP is still evolving rapidly. Running self-managed MCP servers means one must monitor the specification roadmap closely and plan for upgrade cycles. SAP-managed MCP infrastructure absorbs this complexity on your behalf

Developer Engagement and Governance

Foster collaboration, ensure compliance, and drive MCP adoption through robust governance and developer engagement tools

Agent Ready Tools

Technical specifications are translated to MCP schema, augmented with natural language semantics

Enterprise-Grade Security and Traffic Management

Rate limiting, IP blocking, AuthNZ based on OIDC (SAP and 3rd Party), Payload protection

Actionable Intelligent Insights

Monitor and analyze MCP usage with comprehensive logs, traces, and intelligent analytics

API Composition and Optimization

Combine multiple backend APIs and expose them as optimized MCP endpoints for efficient agent consumption

Features and benefits of MCP Gateway: Roadmap

Support for Principal Propagation and OAuth2SAMLBearer token exchange:
Enable end-to-end identity flow from the calling agent or application through to the backend system, ensuring the right user context is preserved across the entire call chain

Manage agent-to-LLM call with AI Gateway:

A central access point for governing LLM API calls: model routing, token budget enforcement, and usage controls across all LLM interactions initiated from within the integration layer

Expose MCP Servers by composing across APIs:

Compose resources from multiple API Artifacts into a single, unified MCP Server, so agents see one coherent tool surface rather than fragmented endpoints

Unlock additional data sources:
Heterogeneous data sources (databases, 250+ connectors), can be exposed as MCP tools and resources for streamlined access

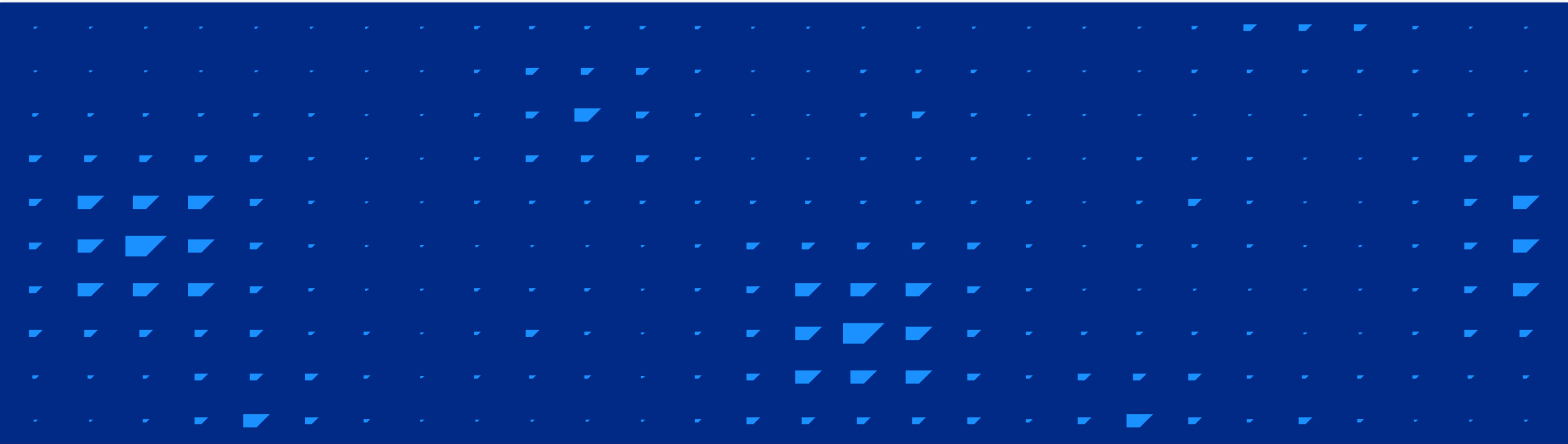
Monetize your tools:
Package and publish MCP tools as products through Developer Hub, applying rate plans and access tiers to create new revenue streams from the integration capabilities you've already built

Autonomous Integration Agent as an explicit control step:
Introduce an agent step directly within the API Artifact's policy model, capable of reading a goal, reasoning over available policies, and deciding the next action without hardcoded orchestration logic

MCP Federation:
Bring third-party MCP Servers under the MCP Gateway control plane, giving you unified governance, observability, and policy enforcement across both SAP-managed and external MCP Servers

Cloud Integration

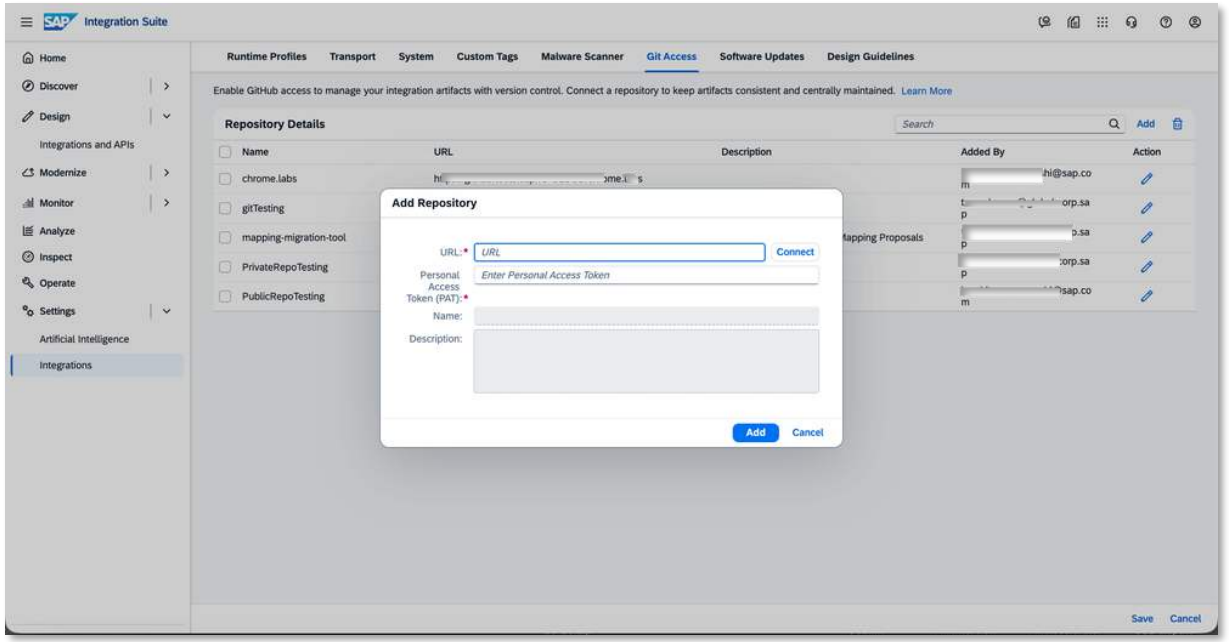
Sunny Kapoor



GitHub support in SAP Integration Suite

Why?

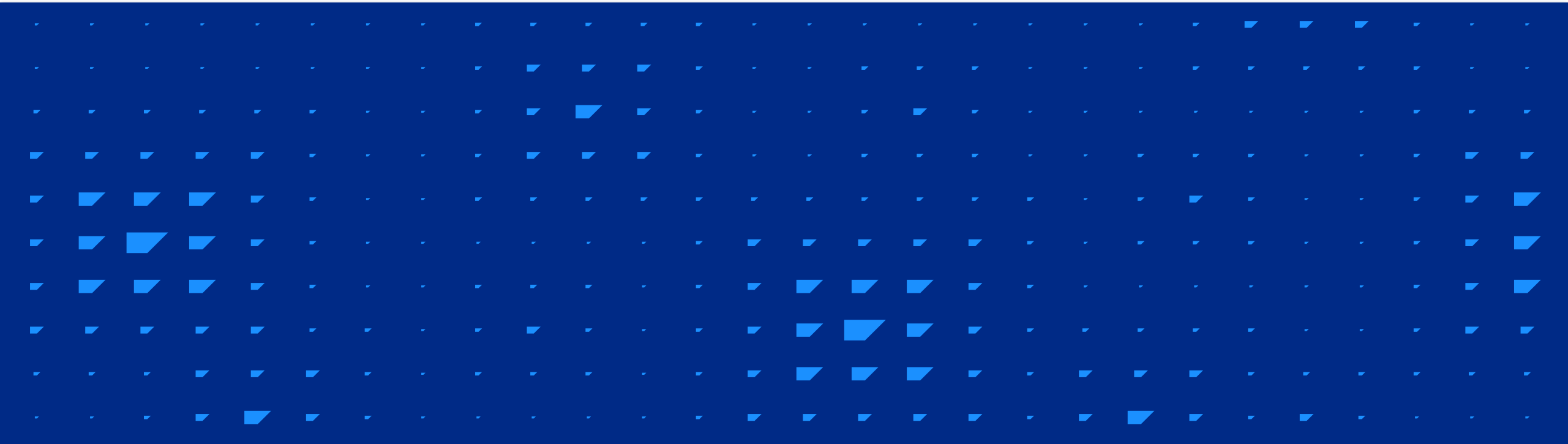
- No native GitHub integration in the SAP Integration Suite for collaborative development, track changes, storage, backup, or recovery.
- Users must manually download and upload artifacts in GitHub, causing media breakage.
- Manual process is slow, error-prone, and impacts version control, reducing productivity for effective collaborative developments.



What?

- You can now integrate GitHub repositories and perform Git operations in your integration flows.
- Integrates Cloud Integration capability with GitHub for secure repository connection, Git authentication, and operations directly in-app.
- Streamlines artifact management, reduces errors, enhances version control, and supports collaborative developments and CI/CD compatibility.

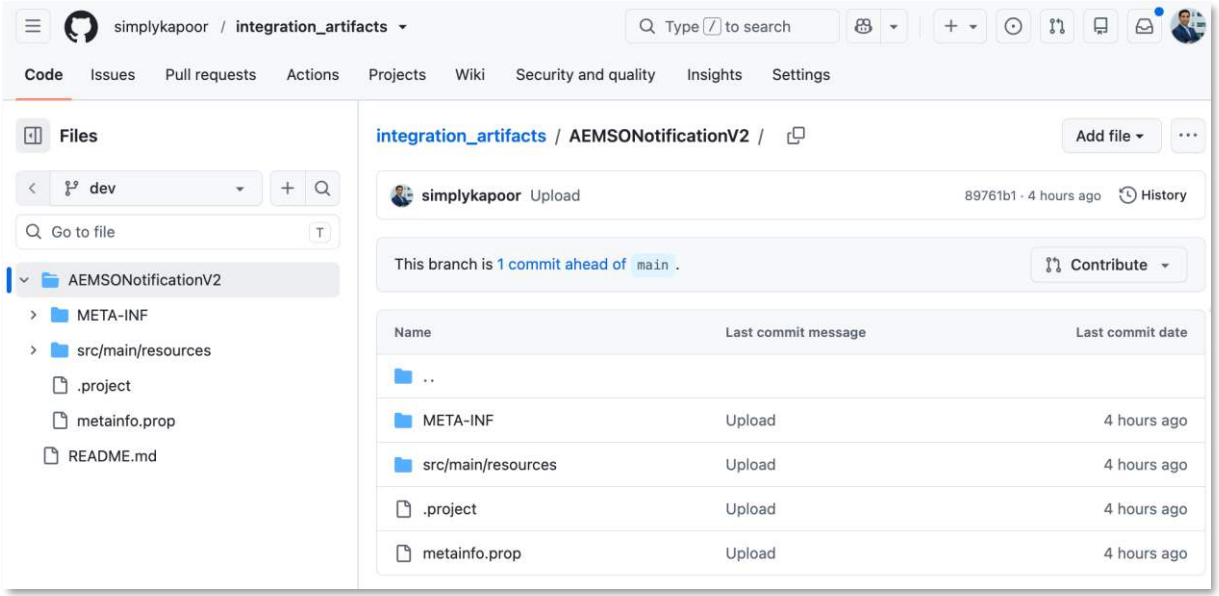
DEMO



GitHub support in SAP Integration Suite

Benefits

- **Collaboration:** Streamlined teamwork via branches and pull requests.
- **Seamless Integration:** No media breakage between Integration suite and GitHub.
- **Governance:** GitHub repositories maintained in Integration suite via Tenant administrator.
- **DevOps:** Enables CI/CD automation.
- **Backup:** Secure storage for artifacts with easy recovery.
- **Distributed:** Work locally and sync changes.
- **Rollback:** Revert to previous versions quickly.
- **Traceability:** Track changes for auditing.
- **Scalability:** Supports large and distributed teams.
- **Security:** Protect artifacts with permissions and authentication.



GitHub support in SAP Integration Suite - FAQs

- **Supported Integration Artifacts:** Basic Git operations are supported for Integration Flows in the initial release.
- **Available Editions:** GitHub integration is available in the Trial, Standard, and higher editions of the SAP Integration Suite.
- **Repository Limit:** You can add up to 50 GitHub repositories in the integration settings.
- **Impact of Removing Repositories:** Removing repositories from the integration settings has no effect on integration flows—they remain in the design workspace and GitHub, if previously pushed. However, the integration flow will be de-linked from GitHub.
- **Supported Platforms:** Only GitHub on the cloud is supported, on-premise GitHub is not supported.
- **Authentication:** GitHub operations are supported through PAT tokens only.
- **PAT Token Persistence:** PAT tokens are not stored, you must manually provide one for each GitHub operation.
- **Repository Descriptions:** Descriptions for GitHub repositories can be set during creation on GitHub and will be visible when imported into the Integration Suite.
- **Differentiate local and remote changes:** GitHub repository name, branch name is tagged to the integration flow available in the remote branch. Integration flow is tagged in the design workspace and monitoring view(for deployed artifact).

GitHub support in SAP Integration Suite - Learning Material

Help documentations

- https://help.sap.com/docs/integration-suite/isuite-integrations-and-apis/git-access
- https://help.sap.com/docs/integration-suite/isuite-integrations-and-apis/git-push
- https://help.sap.com/docs/integration-suite/isuite-integrations-and-apis/git-pull
- https://help.sap.com/docs/integration-suite/isuite-integrations-and-apis/import-integration-flows-from-git-repository

SAP Community Blog

- https://community.sap.com/t5/technology-blog-posts-by-sap/sap-integration-suite-github-integration-in-sap-cloud-integration/ba-p/14443700

Adapter Retry Configuration Support

- You can now access and manage enhanced retry configurations for the **HTTP Receiver Adapter** and **OData V2 Receiver Adapter** using the dedicated Retry tab.
- Retry on Exception and its related options are now available in the Retry tab.
- Retry Failed Request field has been renamed to Retry on Error Response.
- Throw Exception on Failure option and its dependent options have been moved to the Retry tab.
- Ensure a careful idempotency design to prevent duplicate business transactions when retry mechanisms execute multiple calls for the same business operation.
- See HTTP Receiver Adapter
  SAP Cloud Integration customers, see HTTP Receiver Adapter
- See Configure the OData V2 Receiver Adapter
  SAP Cloud Integration customers, see Configure the OData V2 Receiver Adapter

Configuring Multiple Runtimes Available Now

- You can now perform shared configurations across multiple runtimes for external parameters of an integration flow.
- From the **Runtime Profile** drop down, choose the specific runtime profile in which you want to configure the parameters. All the runtime profiles applicable for the selected artifact are listed.
- If you wish to apply shared configurations across multiple runtime profiles, choose **All**. In case of different configurations in **All** and specific runtime, the specific runtime configuration will take precedence.
- See Configure Externalized Parameters of an Integration Flow

Other updates

- There's now a separate memory exhaustion chart on the **Inspect Memory** overview page.
  See: Inspect System Memory Usage

- The tenant rate limit for all public Design Time Artifacts APIs has been changed from 20 requests per second to 15 requests per second.
  See Rate Limits on SAP Cloud Integration
  SAP Cloud Integration customers, see Rate Limits on SAP Cloud Integration

- You can now import Message Mappings along with their Function Libraries when importing a Message Mapping from within an Integration Flow using the References tab.
  See Manage References, SAP Cloud Integration customers, see Manage References

- For EDI Splitter version 2.10 and above, you can use the same XSDs in your tenant as in your SAP Process Integration and SAP Process Orchestration system for the VDA message standard.
  See Define EDI Splitter

Other updates

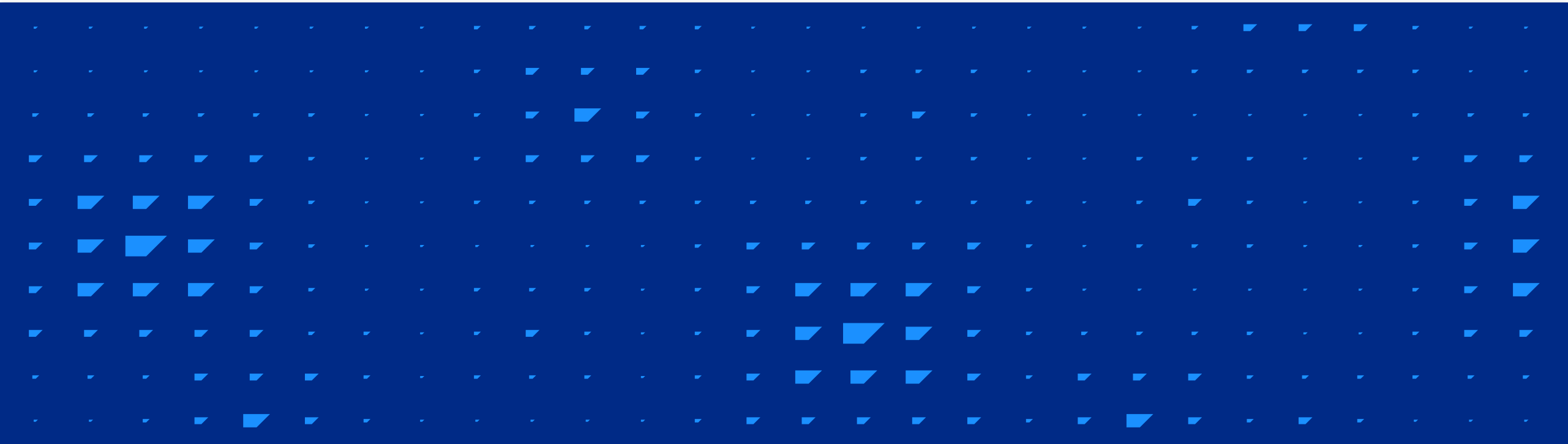
- You can now create and configure Fault Message Type Artifacts.
  See: Creating Fault Message Type, Configuring Fault Message Type,
  Consuming Fault Message Type in Service Interface

- New design guideline under ensure upgrade readiness available now
  See: Use import statements supported by the script runtime,
  Restrict usage to supported frameworks and libraries
  SAP Cloud Integration customers, see: Use import statements supported by the script runtime
  Restrict usage to supported frameworks and libraries

- Supported endpoint for content transport in SAP Cloud Integration via TMS/CTS+ is updated as part of SAP Cloud Deployment Service enhancements. The legacy endpoint **https://deploy-service.cfapps.<domain>** is now deprecated; switch to the new **https://deploy-service.cf.<domain>** endpoint before Q4 to ensure future compatibility.
  See Creating HTTP Destinations and Transport Route,
  SAP Cloud Integration customers, see Creating HTTP Destinations and Transport Route

Pipeline for Cloud Integration

Alexander Bundschuh



New enhancements with latest package version

- Skip retry handling
- Further options to configure XI/IDoc connection parameters in the Partner Directory have been added
  - Via business system
  - Via configuration scenario
- Monitoring enhancements
  - Display inbound and outbound JMS queues in MPL
  - Display original error message in case of n+1 retries
  - Display payload size
- XI and IDoc delivery assurance revised incl passing XI message ID from end-to-end

Skip retry handling

Skip the standard retry handling and send failed messages directly to the Dead Letter Queue where a retry doesn't make sense.

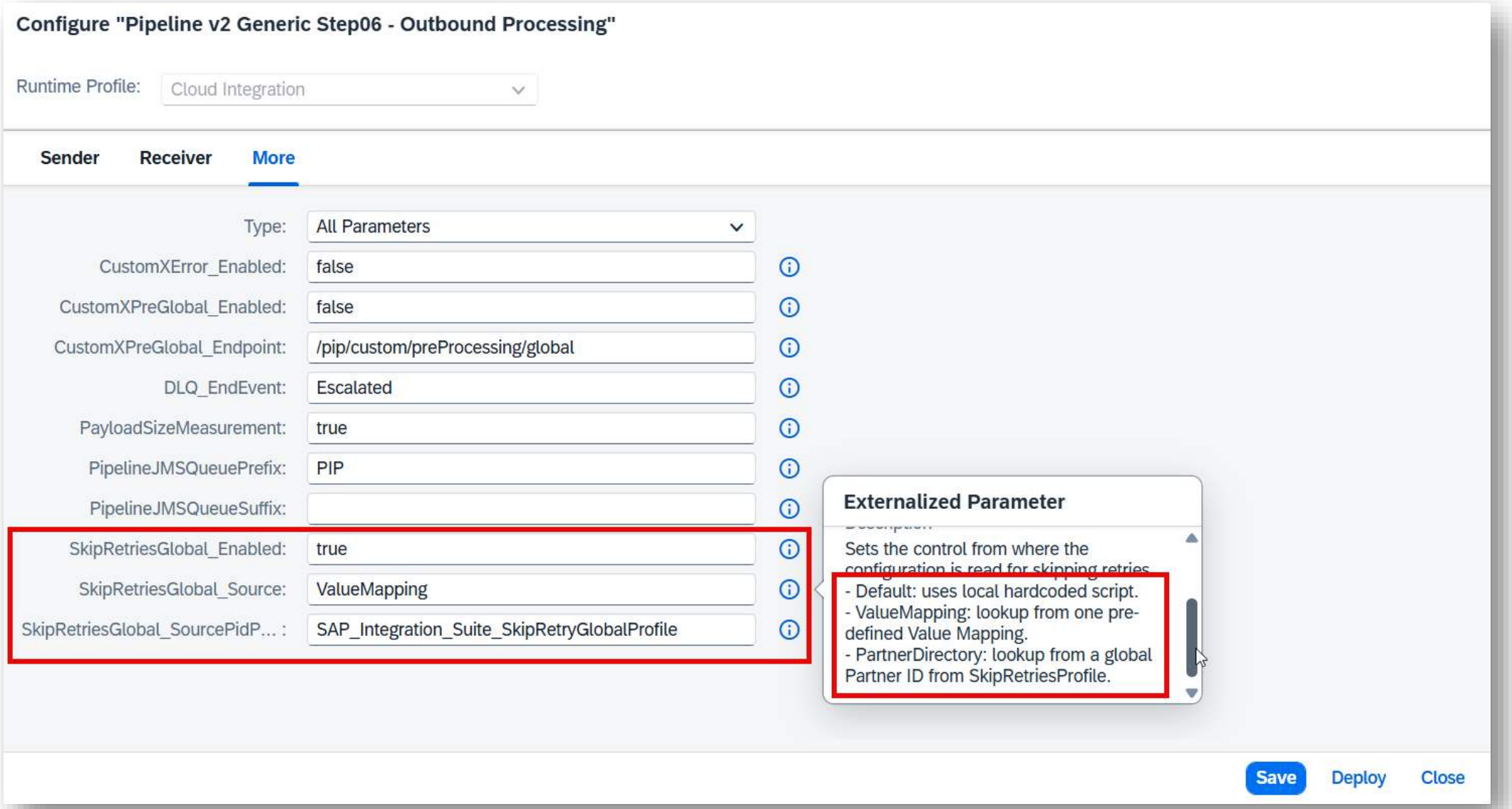
For integrated messaging, receiver determination & interface determination, retries are skipped for the following cases:

- Partner ID could not be determined
- Configuration option not supported
- Receiver could not be determined when "Receiver Not Found" is set to Error
- Receiver interface could not be determined

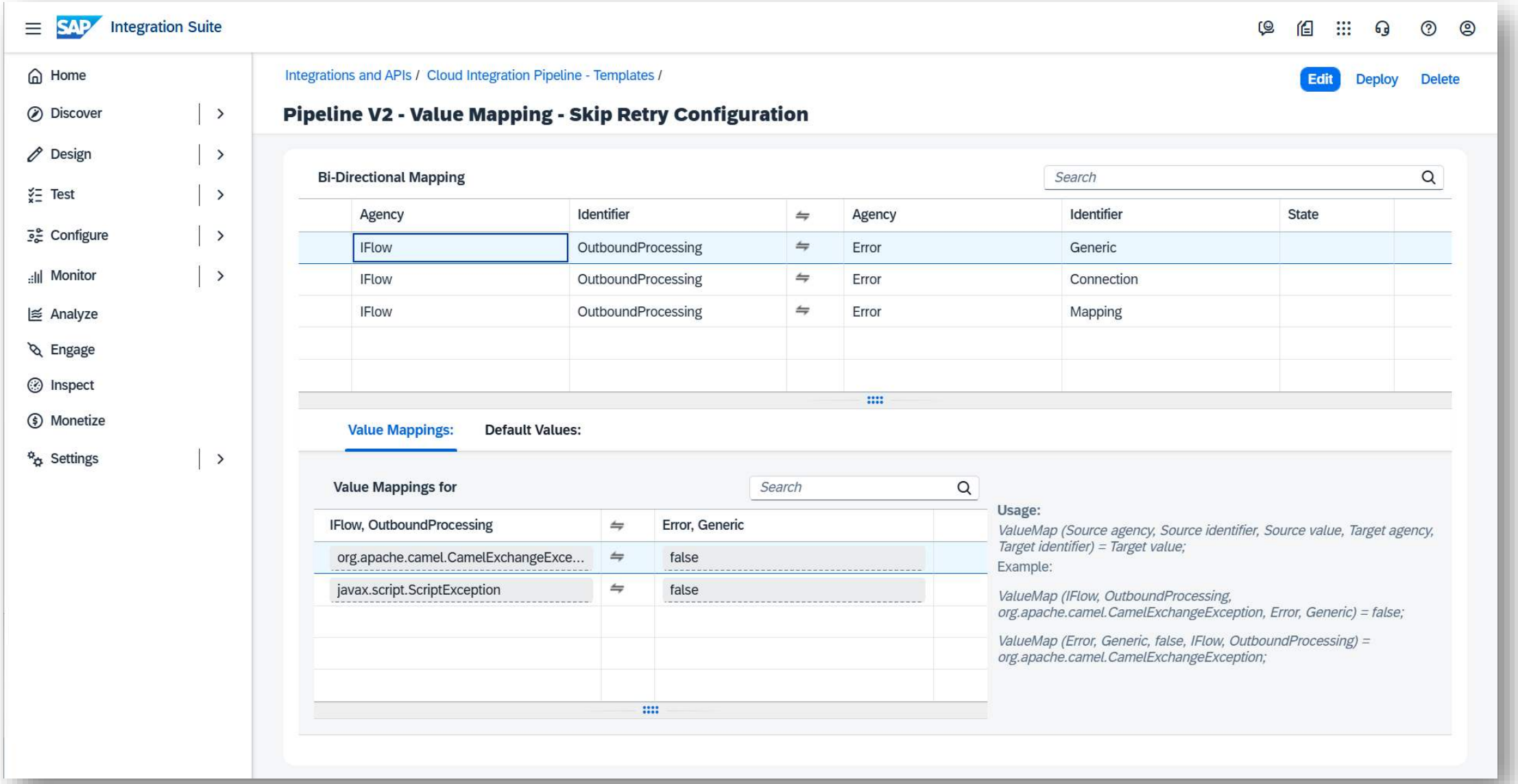
Options for generic outbound processing:

- Default (hard-coded): skips retry only for mapping errors
- Global setting via Value Mapping table
- Global setting via Partner Directory profile
- Scenario-specific setting via Partner Directory profile

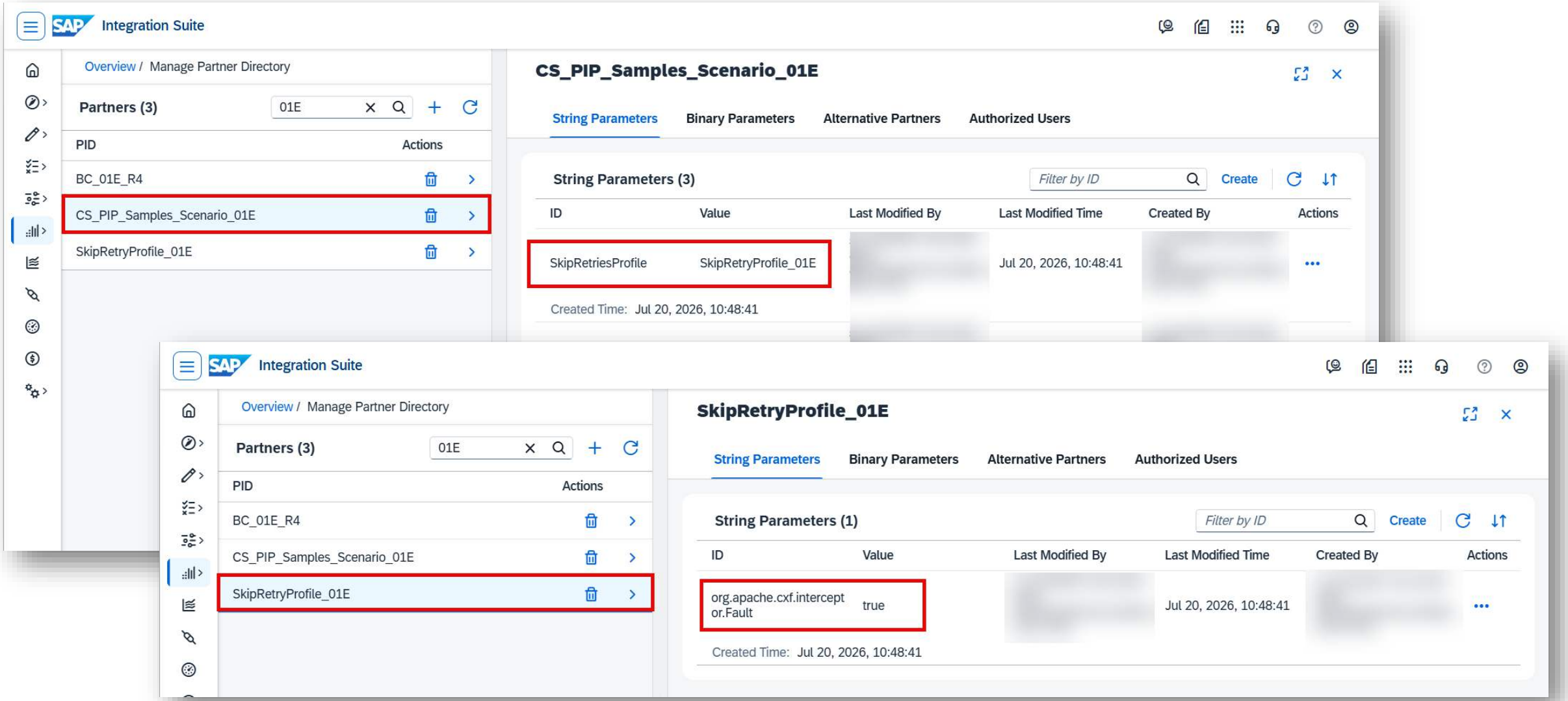
Global skip retry options



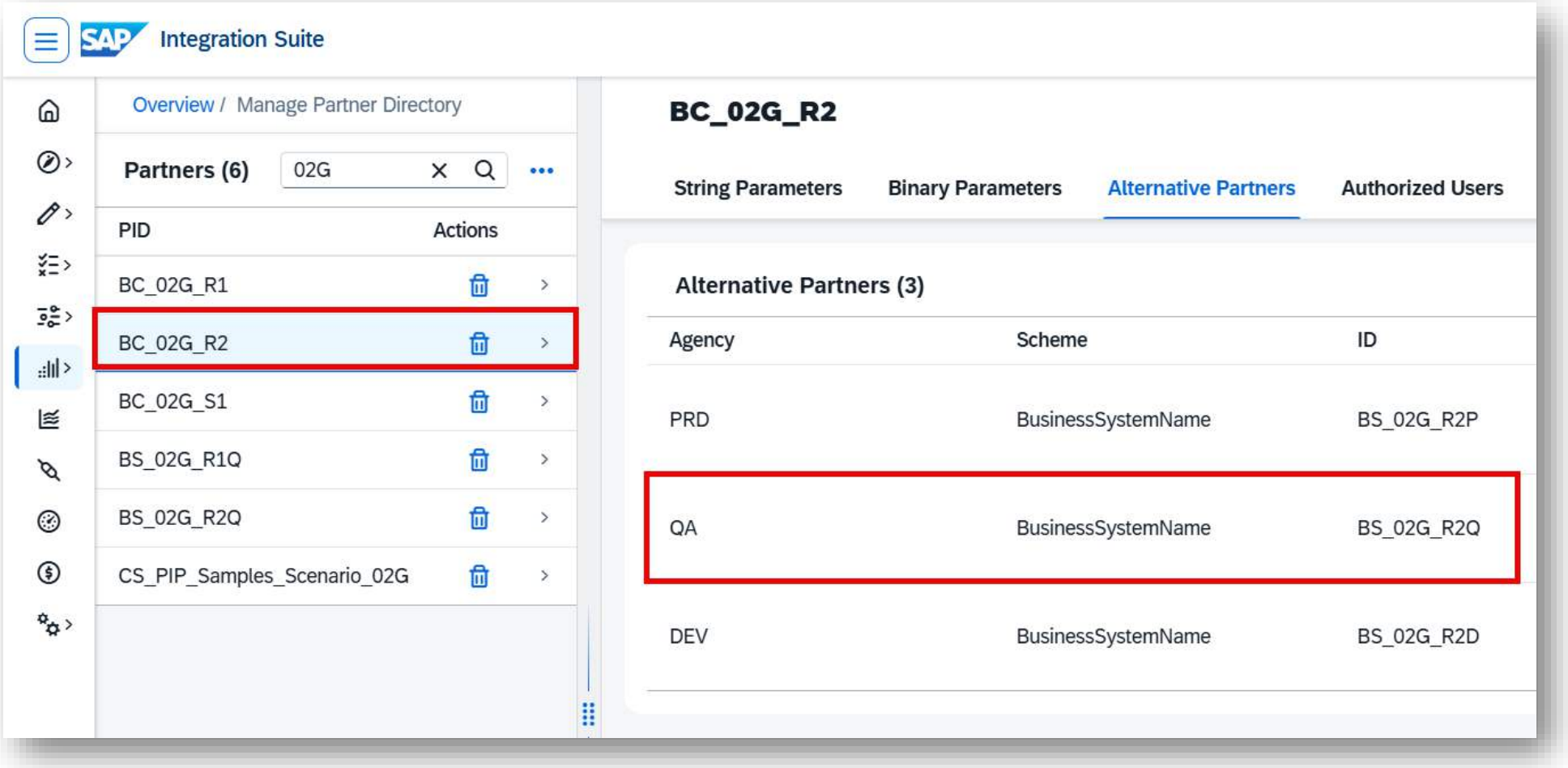
Skip retry value mapping option



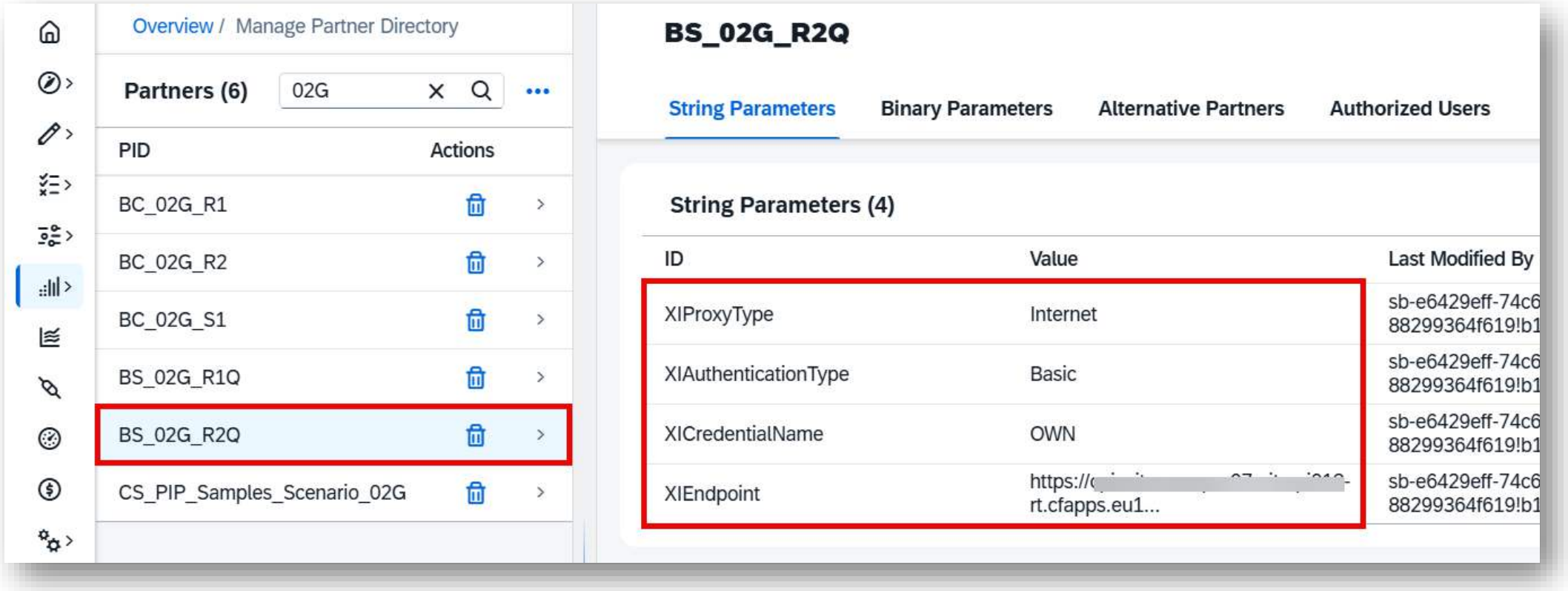
Scenario-specific skip retry option



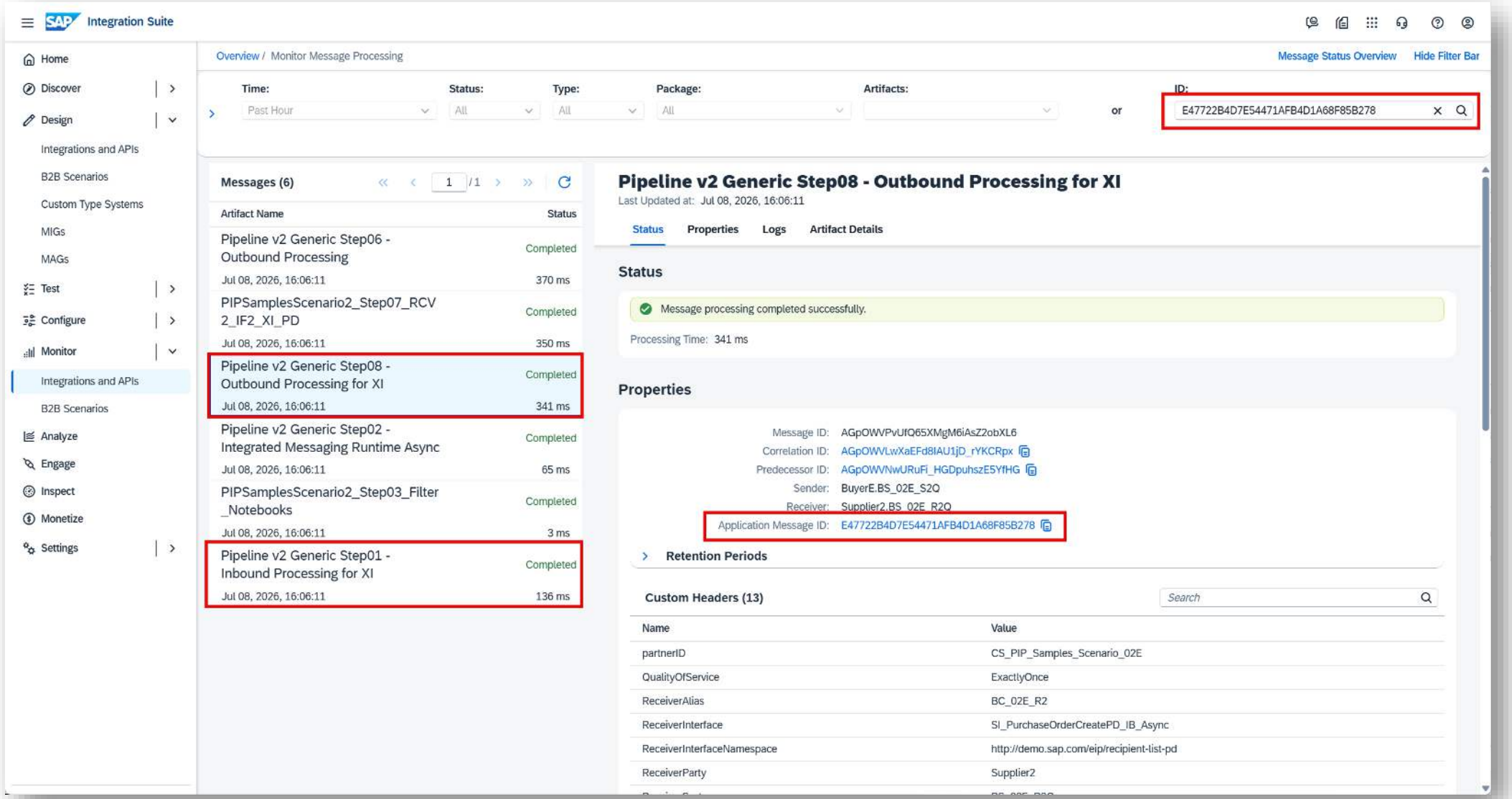
Configure XI connection via business system: map business sytem to alias



Configure XI connection via business system: maintain connection parameters in business sytem



Track XI message from end-to-end



Your perspective matters

Join the conversation

You ask. We answer.



EXPLORE

sap.com | video | solution in detail | solution brief | service description | roadmap

GET STARTED

SAP's integration strategy | Discovery Center missions | tutorial starter scenario | Learning Journey | openSAP course

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SAP Business Accelerator Hub @ hub.sap.com



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