



Monthly Update for SAP Integration Suite/ What's New

April 28th, 2026

SAP

Disclaimer

The information in this presentation is confidential and proprietary to SAP and may not be disclosed without the permission of SAP. Except for your obligation to protect confidential information, this presentation is not subject to your license agreement or any other service or subscription agreement with SAP. SAP has no obligation to pursue any course of business outlined in this presentation or any related document, or to develop or release any functionality mentioned therein.

This presentation, or any related document and SAP's strategy and possible future developments, products and or platforms directions and functionality are all subject to change and may be changed by SAP at any time for any reason without notice. The information in this presentation is not a commitment, promise or legal obligation to deliver any material, code or functionality. This presentation is provided without a warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement. This presentation is for informational purposes and may not be incorporated into a contract. SAP assumes no responsibility for errors or omissions in this presentation, except if such damages were caused by SAP's intentional or gross negligence.

All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.

Join us at SAP Sapphire!

SAP Sapphire & ASUG Annual Conference Orlando
May 11–13, 2026

SAP Sapphire Virtual
May 12–13, 2026

SAP Sapphire Madrid
May 19–21, 2026

**Explore all SAP
Integration Suite
related sessions:**



[See list](#)

SAP Sapphire
& ASUG Annual Conference
ORLANDO



SAP Integration Suite

Cloud-Native Integration Mastery: From
Strategy to AI-Driven Transformation —
A Hands-On Deep Dive



May 11, 2026

10:00 AM - 5:00 PM EDT
ASUG106



Piyush Gakhar

Head of Cross
Product Management,
Strategy & Growth,
SAP Integration Suite,
SAP



Udo Paltzer

Product Manager, SAP
Integration Suite, SAP
SE



Elijah Martinez

Product Manager SAP
Integration Suite, SAP
Labs LLC



Gayathri Narayana

Lead Product
Manager, SAP Canada

Agenda



01

Overview high availability and disaster recovery in SAP Integration Suite

Mayur Mohan

02

New features in Cloud Integration

Sunny Kapoor

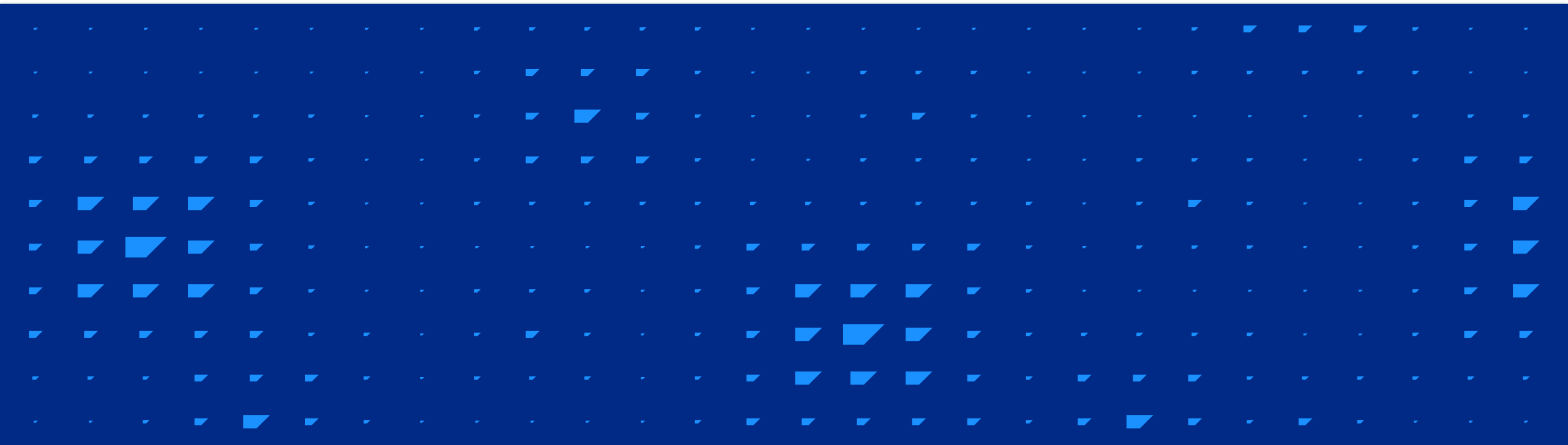
03

Pipeline for Cloud Integration

Alexander Bundschuh

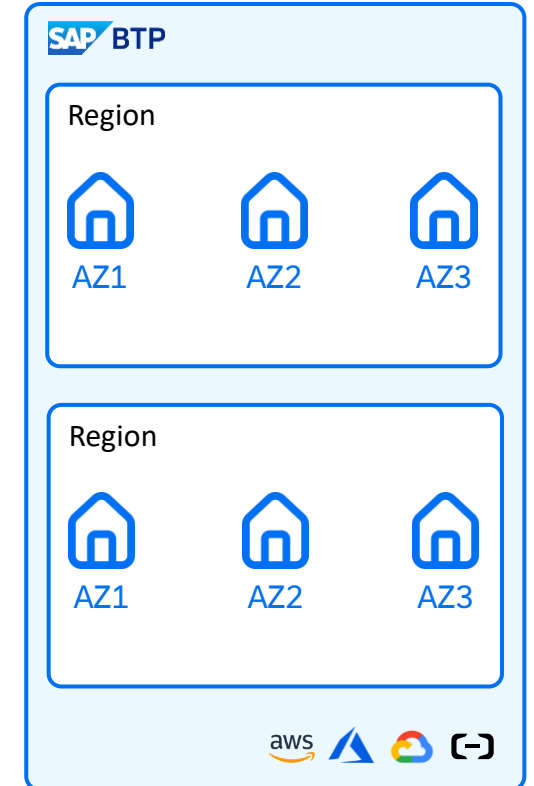
High Availability and Disaster Recovery

Mayur Mohan



Availability Zones (AZs)

- Hyperscaler infrastructure is hosted in multiple locations world-wide called **Regions**
- Regions consist of several isolated locations known as **Availability Zones (AZs)**
- Availability zones are physical locations consisting of one or more data centres, with independent power, cooling and network connectivity.
- Every AZ in a region is connected to each other by a low-latency, high-bandwidth communication link and offer the ability to replicate resources between them.

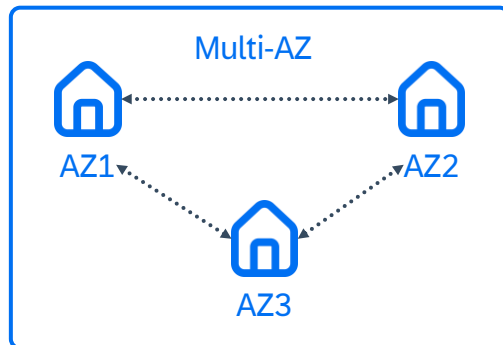


SAP BTP High Availability: Multi-AZ

Multi-AZ deployments provide resiliency against infrastructure failure of a single availability zone by distributing stateless services across AZs and replicating data of stateful services between AZs.

The multi-cloud environments of SAP BTP run transparently in a HA setup over multiple availability zones with an end state of 3 Availability Zones (AZs) in a hyperscaler's region. Exceptions to the 3 AZ set up can be found in SOC report¹.

¹ Customers can request the BTP Audit Reports via SAP Trust Center <https://www.sap.com/about/trust-center.html> --> Compliance --> Service Organization Control Reports (SOC) --> SOC 2 Type 2 Reports resp. [direct link](#)

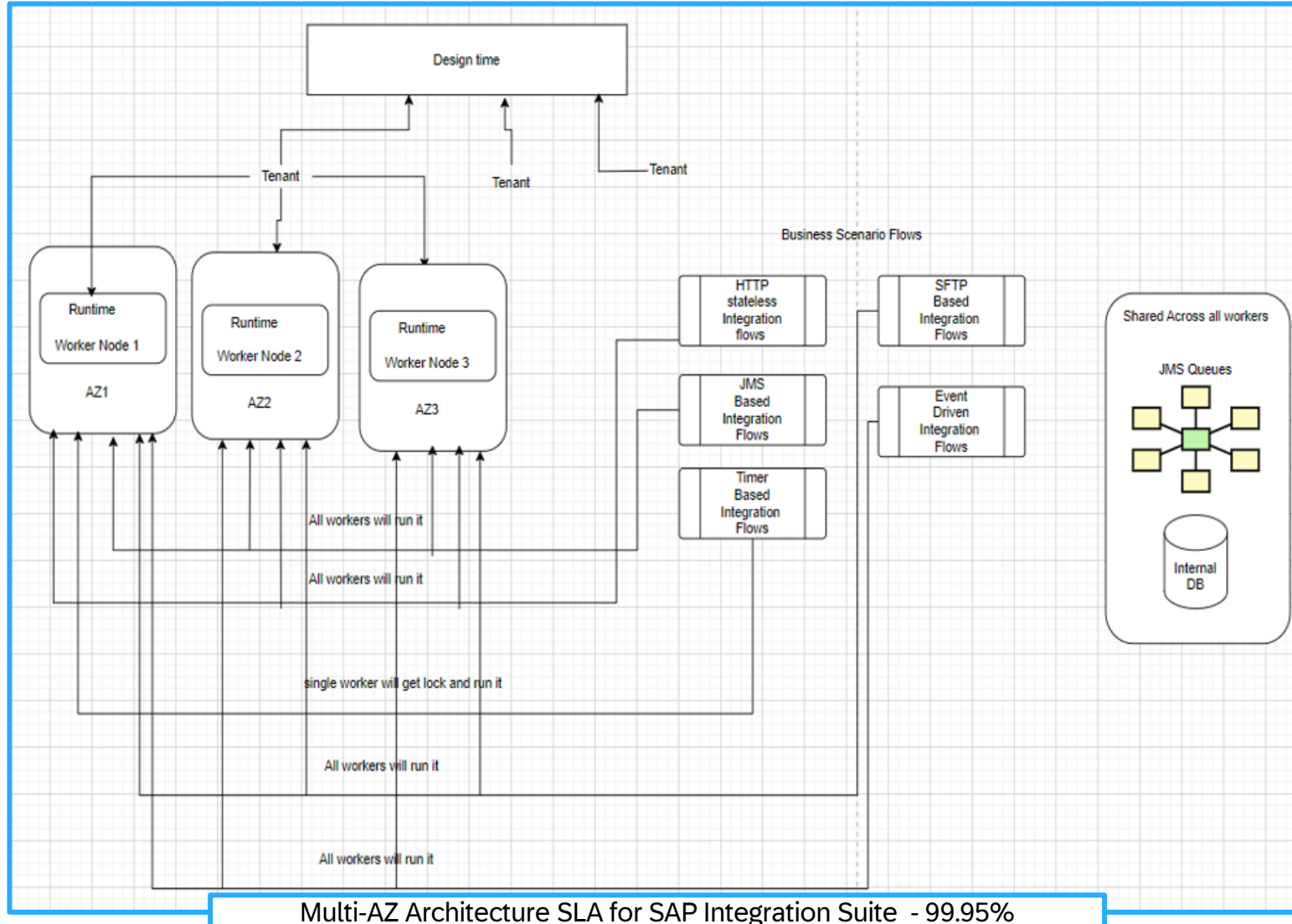


In a **Multi-AZ** configuration, your application instances are located in **different AZs**.

Failure of one AZ will not impact the application availability and protects customers from incidents in a single AZ.

- **Transparent HA setup** over multiple near-by AZs within one region
 - Applications run active-active across 3 AZs
 - Databases run active-passive across 2 AZs
- **Synchronous data replication**
- Automatic failover
- Traffic management, load balancing and failure detection
- “Chaos Days” testing methodology to regularly test internally for Multi-AZ failovers

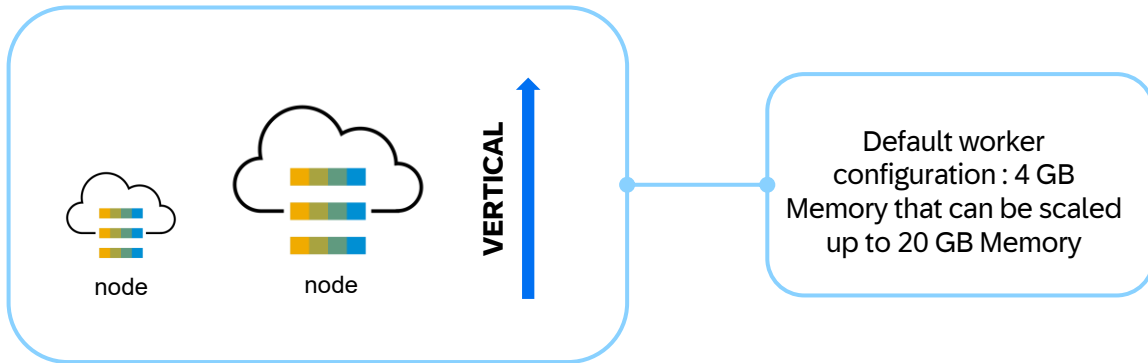
Multi-AZ Architecture for SAP Integration Suite



Horizontal and vertical elastic scaling

- High availability and scalability through multiple worker nodes
- Automated detection of nodes with issues and failover of message processing to other nodes etc.
- Near zero downtime when applying software & hardware patches and upgrades
- Minimized start-up time of nodes after a node is down
- Improved high availability through multi-availability zones:
 - Isolated buildings within a region with different set of network devices, power supply etc.
 - Tenants set up in active-active mode
 - Synchronous replication between multi-availability zones possible due to low latency, high-bandwidth communication
- High performance and high throughput integrations
 - Additional worker nodes, memory added to tenants based on demand
 - [Integration Flow Design Guidelines](#) recommended, e. g. to optimize performance
 - Tenant sizing for peak load integrations recommended, e. g. through [SAP Services and Support](#)

How does SAP Cloud Integration scale ? Vertical x Horizontal

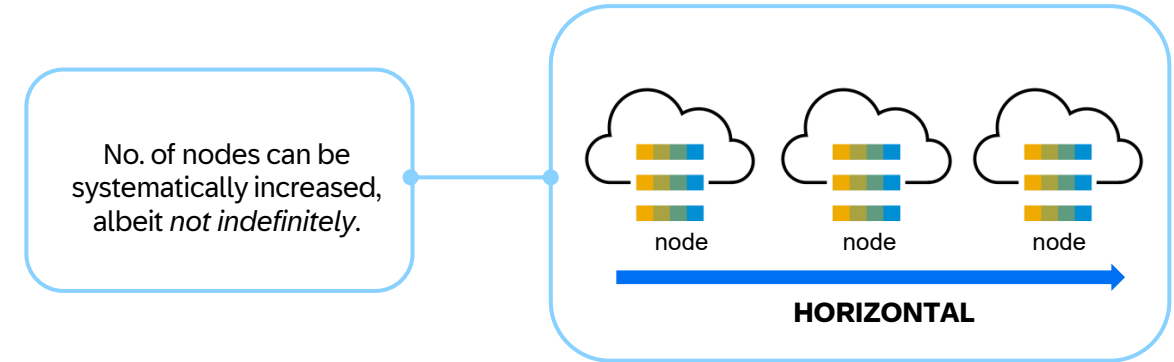


What does vertical scaling help with?

As a general thumb rule, Integration Flows with the following patterns tend to benefit with vertical scaling:

- Flow with timer steps that normally process big payloads
- Multicasting with large data – data is stored multiple times in the memory. Example, e.g., you have 2 branches, The payload is stored 3 times in the main memory: once for the original exchange and, once for each branch.
- High usage of variables in script - variables are persisted in memory even after the processing of the script has ended, until the entire integration process ends. (and garbage collected)
- High presence of relative XPATH expressions - Relative XPATH expressions are memory intensive, esp. for large documents, as the parser searches the whole document for the specified element. Use absolute path as much as possible.

IMP: It is imperative that an Integration follow the well-defined Boundary Conditions Guidelines. No amount of scaling can make up for an un-optimized runtime



Why?

Each worker node shares resources / connections / transactions with other components like DB, Message broker etc. A balance has been to maintained here

What does horizontal scaling help with?

These are the characteristics of horizontal scaling:

- In general, results in higher throughput when applied to high volume / low latency use cases.
- Helps scenarios that rely on external callouts (systems outside of SAP Cloud Integration for content lookup, intermediate updates, or other purposes increases the overall processing time of an integration scenario)

SAP Integration Suite – High Availability, Scalability

For optimal performance of your integration scenarios , follow the best practices:

- Following [SAP recommended design guidelines](#) for the integration flow development
- Conduct performance testing /load testing of integration scenarios on QA tenant for scalability requirements, based on this request proper scaling of QA Tenant . once requirement met, have same scaling in the Prod tenant as well before integration scenario go live.
- Evaluate already developed Integration flows, are they adherent to Integration flow design guidelines , using advanced design checks in Web-IDE.
- Upgrade to the latest version of the components for Integration flow time to time.
- Keep a check on Integration flow steps using large memory footprint using Inspect for abandoned Integration flows.
- Keep a check on resource usage of integration flows (DB connections , Content size , monitoring DB, long running transactions) with Inspect
- Create Alerts using Cloud ALM for inspect monitored resources.
- Request for Horizontal/Vertical scaling of worker nodes, if you adding many new interfaces and increases message volume by couple of million messages on daily basis.
- Request for Pro-active monitoring dashboard in case if you need tenant resources utilization statistics(CPU/DISK/Busy Threads/Heap memory usage etc) from Dynatrace

SAP BTP Disaster Recovery: Innovations

- Standard Disaster Recovery
- In-Metro DR

Standard Disaster Recovery in a nutshell

Restoration from Backups

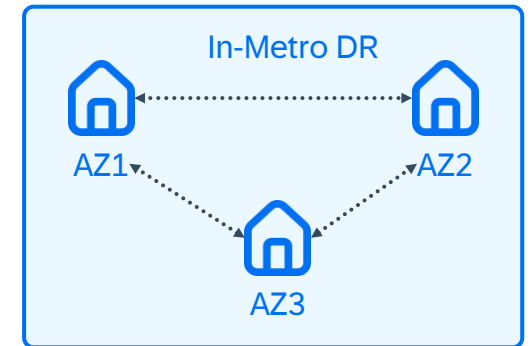
- BTP includes a Standard Disaster Recovery service out-of-box and without additional costs.
- The objective of the service is to protect production data from unwanted losses caused by a disaster. It comes into effect in case of a 'declared disaster' by SAP.
- The service is based on data restore from backups, which are stored in another availability zone within the region.
- The backups contain data (+ logs) stored in the Database or persistence services on SAP BTP.
- The offering does not guarantee any formal SLAs:
 - The Recovery Point Objective (RPO) has no strict SLA. The internal objective is 24 hours.
 - The Recovery Time Objective (RTO) is "best commercially reasonable effort" to restore the affected service as soon as possible at time of disaster.



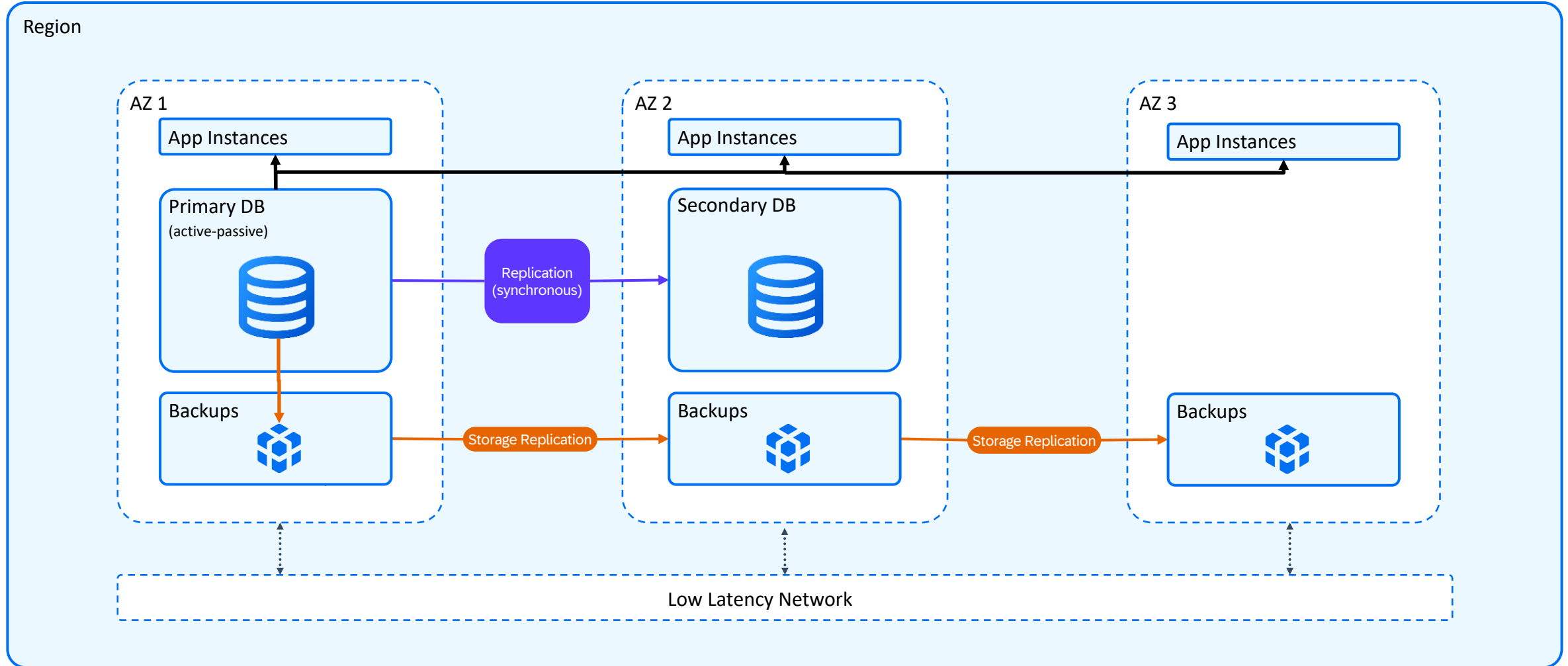
In-Metro DR in a nutshell

In-Metro DR is a disaster recovery solution that utilizes synchronous data replication. It has been designed to protect our customers from the impact of local disasters that may affect a single availability zone (AZ). By deploying services across multiple AZs within a single region, In-Metro DR ensures that if a disaster occurs in one AZ, the issue is contained within that zone. Meanwhile, the other unaffected availability zones continue to function normally, efficiently handling incoming requests.

- In-Metro DR will be offered to customers for the services that have passed the audit. The offering provides the following contractually committed DR SLAs: RPO of 5 minutes and RTO of 2 hours.
- In-Metro DR solution leverages an active/active HA set up across 2 or more availability zones with a failover for all customers from primary to secondary site i.e. availability zones within a single region
- Fully functioning availability zones are paired with every primary availability zone, application stack is pre-built with same capacity and compute as the primary availability zone.
- A written, customer facing DR plan exist and is update at least once every 12 months
- A DR test is performed at least once every 12 months, and the DR documents are revised as needed based on the results
- The In-Metro DR solution passes annual audits and receives certifications (e.g., SOC2).
- Scope:
 - BTP services in scope are listed in [SAP BTP Disaster Recovery Overview](#) (SAP Trust Center)
 - Includes BTP regions on AWS and Azure*

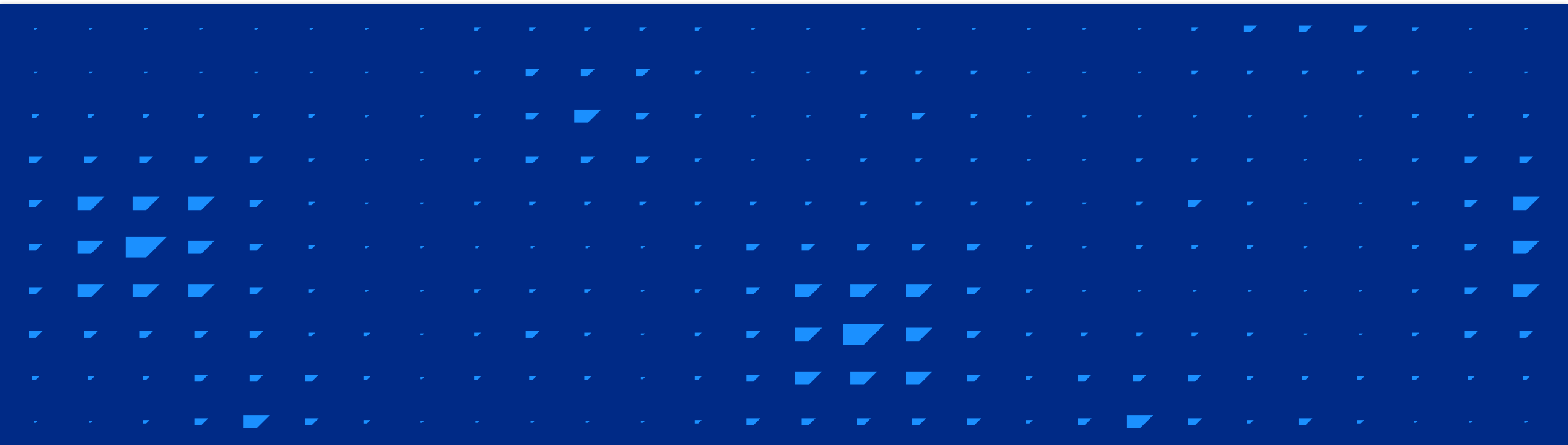


SAP BTP: SAP BTP DR (Standard + In-Metro)



New Features in Cloud Integration

Sunny Kapoor



AI-assisted Error Resolution

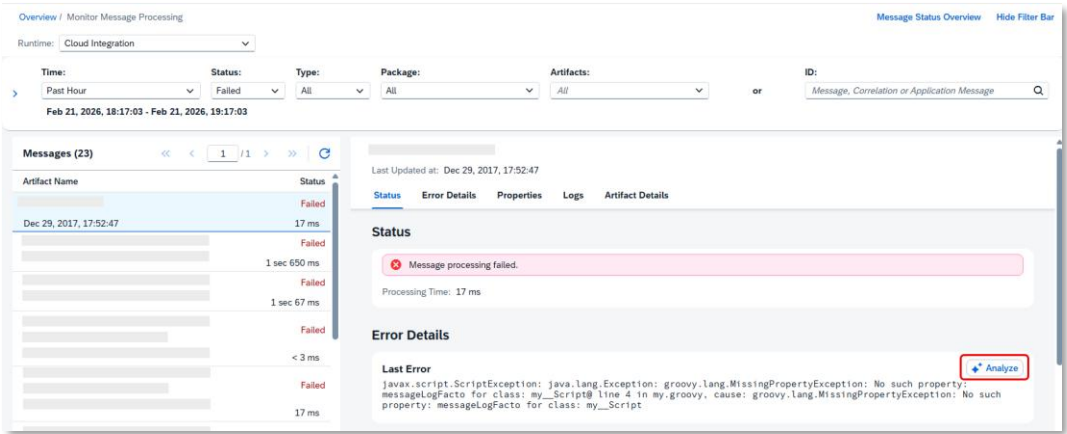
Goals



Leah Chang
Integration Specialist

“I want to reduce the troubleshooting and recovery time for failed integration flow by faster identification of issues, quick automated root cause analysis and contextual corrective actions recommendations.

Solution



Use AI to analyze and resolve message processing errors efficiently.

Benefits

Increased
developer efficiency

Reduced
Resolution cost

Faster
Issue resolution

*AI features are accessible only with the Premium and Enhanced Edition

AI-assisted Error Resolution

- The AI agent analyses the error and displays the following results:
 - **Root Cause:** The primary reason for the error, based on the analysis of the failing step.
 - **First Failed Step:** The earliest step where the processing stopped. Use this as the starting point for troubleshooting. This field is specifically helpful in case of parallel processing flow steps, such as parallel multicast, parallel splitting, and aggregation.
 - **Suggested Solution:** An actionable recommendation to resolve the issue.
- The system doesn't save the analysis. To prevent data loss and avoid the need to regenerate error analyses, select **Save As** to save your analysis before selecting a new message.
- This feature is only available for **Failed MPLs**.

The screenshot displays the 'Monitor Message Processing' interface. At the top, there's a navigation bar with 'Overview / Monitor Message Processing' and 'Message Status Overview'. Below this, a filter bar shows 'Runtime: Cloud Integration'. A table of messages is shown with columns for Time, Status, Type, Package, Artifacts, and ID. The first message is highlighted, showing a 'Failed' status. To the right, the 'Error Details' panel is open, showing the 'Last Error' message: 'javax.script.ScriptException: java.lang.Exception: groovy.lang.MissingPropertyException: No such property: messageLogFacto for class: my__Script@ line 4 in my.groovy, cause: groovy.lang.MissingPropertyException: No such property: messageLogFacto for class: my__Script'. Below this, the 'AI-Generated Analysis' section provides a 'Root Cause' (typo in variable name), the 'First Failed Step' (Groovy Script 1), and a 'Suggested Solution' (correct the variable name to 'messageLogFactory').

Time	Status	Type	Package	Artifacts	ID
Dec 29, 2017, 17:52:47	Failed	All	All	All	Message, Correlation or Application Message

Feb 21, 2026, 18:22:31 - Feb 21, 2026, 19:22:31

Messages (23)

Artifact Name

Status

Dec 29, 2017, 17:52:47

17 ms

Failed

1 sec 650 ms

Failed

1 sec 67 ms

Failed

< 3 ms

Failed

17 ms

Failed

< 3 ms

Failed

270 ms

Last Updated at: Dec 29, 2017, 17:52:47

Status Error Details Properties Logs Artifact Details

Error Details

Last Error

javax.script.ScriptException: java.lang.Exception: groovy.lang.MissingPropertyException: No such property: messageLogFacto for class: my__Script@ line 4 in my.groovy, cause: groovy.lang.MissingPropertyException: No such property: messageLogFacto for class: my__Script

To prevent losing your analysis results, save them before opening a new message.

AI-Generated Analysis

Root Cause

The error is caused by a Groovy script in the integration flow referencing a non-existent property 'messageLogFacto'. This is a clear scripting mistake (typo) in the Groovy script content.

First Failed Step

Groovy Script 1

Suggested Solution

Correct the Groovy script by fixing the typographical error in the variable name. The script refers to 'messageLogFacto', which should likely be 'messageLogFactory'. Update the variable name to the correct one.

See [AI-assisted Error Resolution](#)

JDBC Data Source Connection Pool Management

- The **JDBC Data Sources** allows you to create and manage a cluster of artifact connections to interact with a database (DB).
- Each data source contains information on database type, and database-specific configuration parameters.
- Enhanced JDBC data source configuration with connection pooling capabilities to optimize database connectivity performance and resource utilization.
- Connection pooling greatly improves scalability by allowing many more JDBC data sources to be managed efficiently across environments.
- Configure Connection Pool values based on your database connection limits and system capacity.
- Ensure that your database is configured to support the connection limits you intend to use, and that these settings are aligned with the valid value ranges provided for this field.

See [Managing JDBC Data Sources](#)

SAP Cloud Integration customers, see [Managing JDBC Data Sources](#)

Edit JDBC Data Source

Name: * SAPHANACloud

Description: SAP Hana Cloud Connection Details

Database Type: SAP HANA Cloud

User: * DBADMIN

Password:

Repeat Password:

JDBC URL: * jdbc:sap://701b.hna1.prod-eu10.hanacloud.ondemand.com:443

Enable Connection Pool: ☒ ⓘ

Maximum Pool Size: * 10 ⓘ

Minimum Idle Pool Size: * 1 ⓘ

Idle Timeout (ms): * 600000 ⓘ

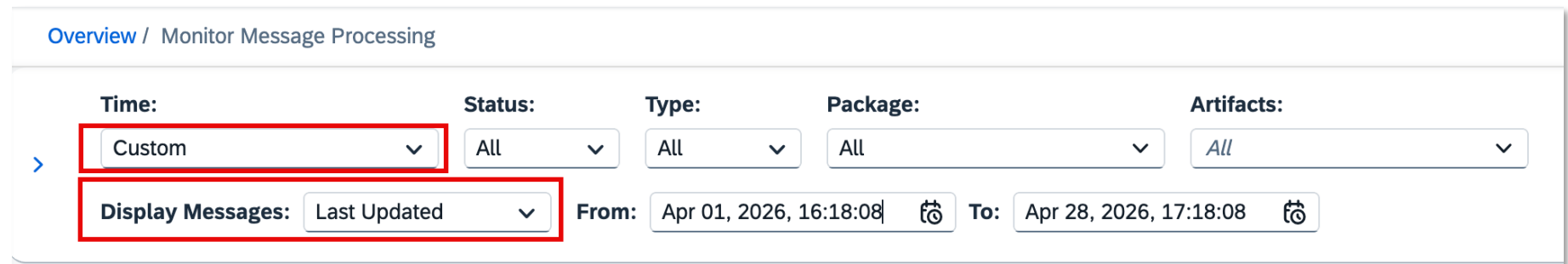
Connection Timeout (ms): * 30000 ⓘ

Deploy Cancel

Enhancements in Message Monitoring UI Performance

- During high load scenarios in **Monitor Message Processing**, the system displays three dots instead of the message count while counting is in progress.
- This way, you can see all retrieved messages even if counting fails. This reduces the risk of timeouts when the number of messages in the selected time interval is too high.
- Additional filter **Display Messages** added to the custom Time filter in Monitor Message Processing.
- You can now select **Last Updated** to display messages based on when their status last changed within a specific time period to load the message list more quickly and avoid timeouts.
- Select **Processed** filter option for existing monitoring behaviour, but keep in mind it may be slow with larger data sets.

See [Monitor Message Processing](#)



The screenshot shows the 'Monitor Message Processing' interface. At the top, there is a breadcrumb 'Overview / Monitor Message Processing'. Below this, there are five filter sections: 'Time:', 'Status:', 'Type:', 'Package:', and 'Artifacts:'. The 'Time:' section has a dropdown menu with 'Custom' selected, which is highlighted by a red rectangle. Below the 'Time:' section, there is a 'Display Messages:' section with a dropdown menu showing 'Last Updated', also highlighted by a red rectangle. To the right of these sections are 'From:' and 'To:' date pickers. The 'From:' date is 'Apr 01, 2026, 16:18:08' and the 'To:' date is 'Apr 28, 2026, 17:18:08'. The 'Status:' dropdown is set to 'All', 'Type:' is 'All', 'Package:' is 'All', and 'Artifacts:' is 'All'.

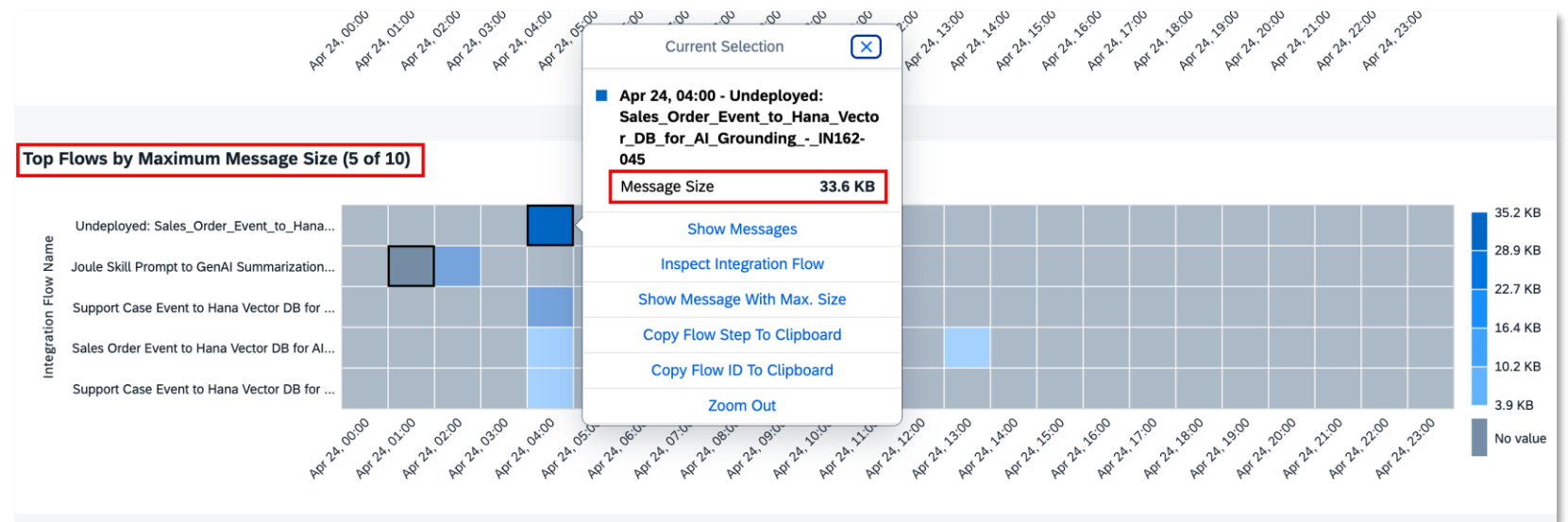
Enhancements in Inspect Feature

- When resource consumption becomes critical, a **Recommendations** button becomes available. You can choose this button to receive tailored suggestions and assistance. These recommendations help resolve potential issues when usage levels reach warning or critical stages.

See [Inspect](#)

- You can now see the integration flows with the largest message sizes.

See [Inspect Integration Flows By System Memory Usage](#)

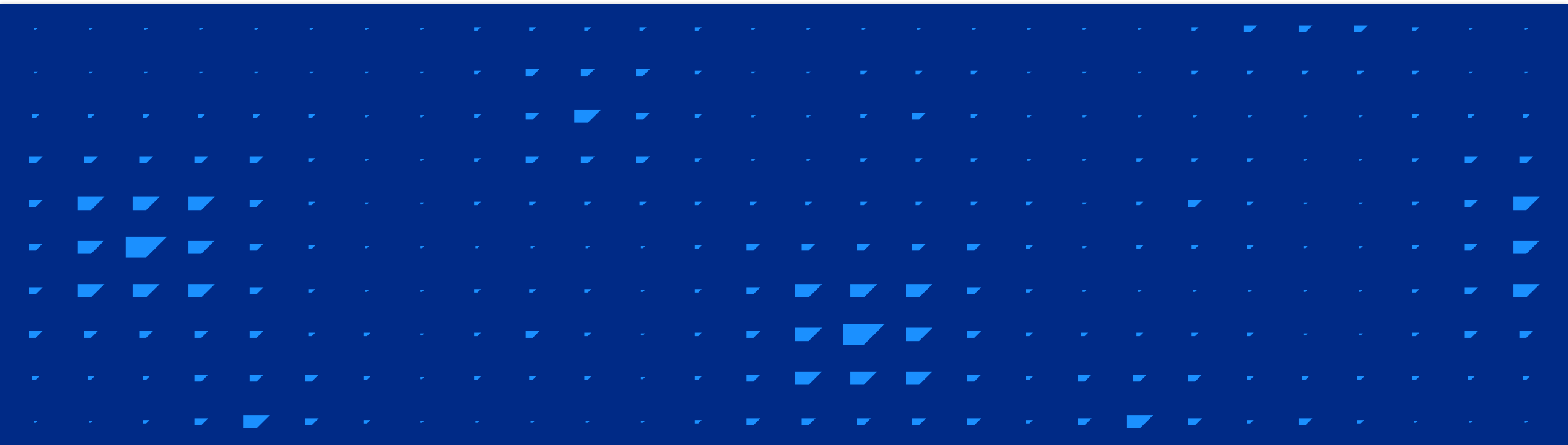


Other updates

- The Upgrade readiness design guidelines now apply to Script step including Java scripts and Groovy scripts.
See [Scripts](#), SAP Cloud Integration customers, see [Scripts](#)
- You can also use OAuth authentication while connecting to ABAP back-end system for generating ABAP proxies for service interface artifact.
See [Generating ABAP Proxy](#)

Pipeline for Cloud Integration

Alexander Bundschuh



Latest enhancements of the Pipeline for Cloud Integration

Supporting more **flexible landscape stages**

Supporting **Idoc inbound** with **partner type NOT LS** and **virtual receiver**

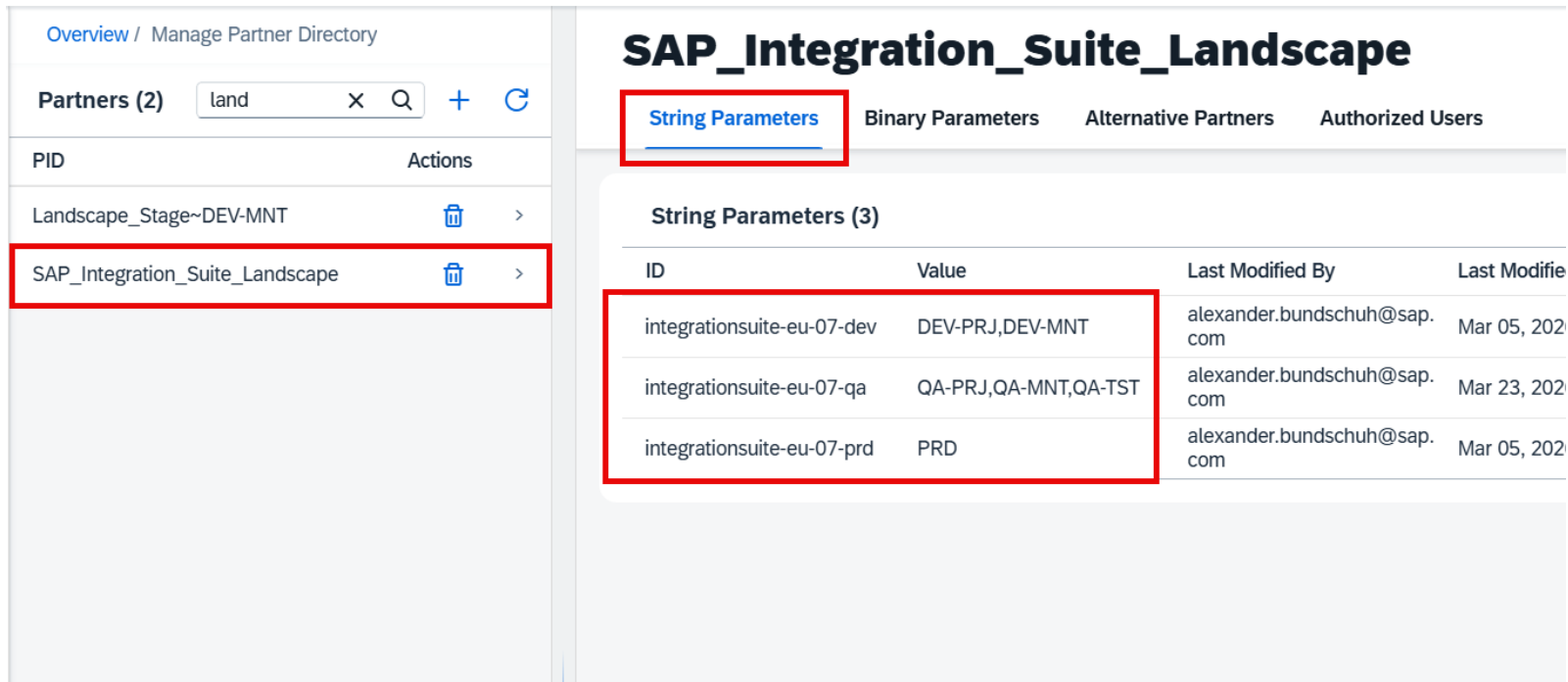
Supporting **dynamic headers** for **XI inbound** and **XI outbound**



See [blog post](#)

Virtual landscape stages for Cloud Integration Pipeline

Manage multiple backend stages through one pipeline in a single tenant
Supporting stage rules to route from one stage to one or multiple stages
Leveraging authenticated users to determine stage and business system



The screenshot displays the SAP Integration Suite Landscape management interface. On the left, a sidebar shows a list of partners under the heading 'Partners (2)'. The 'SAP_Integration_Suite_Landscape' partner is highlighted with a red box. The main panel on the right is titled 'SAP_Integration_Suite_Landscape' and features a tabbed interface. The 'String Parameters' tab is selected and highlighted with a red box. Below this tab, a table lists three string parameters, which are also highlighted with a red box.

Overview / Manage Partner Directory

Partners (2)

PID	Actions
Landscape_Stage~DEV-MNT	trash >
SAP_Integration_Suite_Landscape	trash >

SAP_Integration_Suite_Landscape

String Parameters Binary Parameters Alternative Partners Authorized Users

String Parameters (3)

ID	Value	Last Modified By	Last Modified
integrationsuite-eu-07-dev	DEV-PRJ,DEV-MNT	alexander.bundschuh@sap.com	Mar 05, 202
integrationsuite-eu-07-qa	QA-PRJ,QA-MNT,QA-TST	alexander.bundschuh@sap.com	Mar 23, 202
integrationsuite-eu-07-prd	PRD	alexander.bundschuh@sap.com	Mar 05, 202

Enhanced IDoc inbound support for Cloud Integration Pipeline

Supporting IDoc partner type NOT equal LS

Supporting virtual receiver to determine partner ID

The screenshot displays the SAP Integration Suite interface. On the left, a sidebar shows a list of partners under 'Partners (1)', with 'CS_PIP_Samples_Scenario_06J' selected and highlighted by a red box. The main area is titled 'CS_PIP_Samples_Scenario_06J' and features four tabs: 'String Parameters', 'Binary Parameters', 'Alternative Partners' (highlighted with a red box), and 'Authorized Users'. Below the 'Alternative Partners' tab, there is a table titled 'Alternative Partners (1)' with columns: Agency, Scheme, ID, Last Modified By, Last Modified Time, Created By, and Actions. The table contains one entry, which is also highlighted by a red box:

Agency	Scheme	ID	Last Modified By	Last Modified Time	Created By	Actions
J6QCLNT800:ALE#KU#S P#9934567890	FLIGHTBOOKING_CREAT EFROMDAT.FLIGHTBOOK ING_CREATEFRO...	urn:sap- com:document:sap:doc: messages		Feb 17, 2026, 11:00:49		...

Below the table, it states 'Created Time: Feb 17, 2026, 11:00:49'.

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](#)

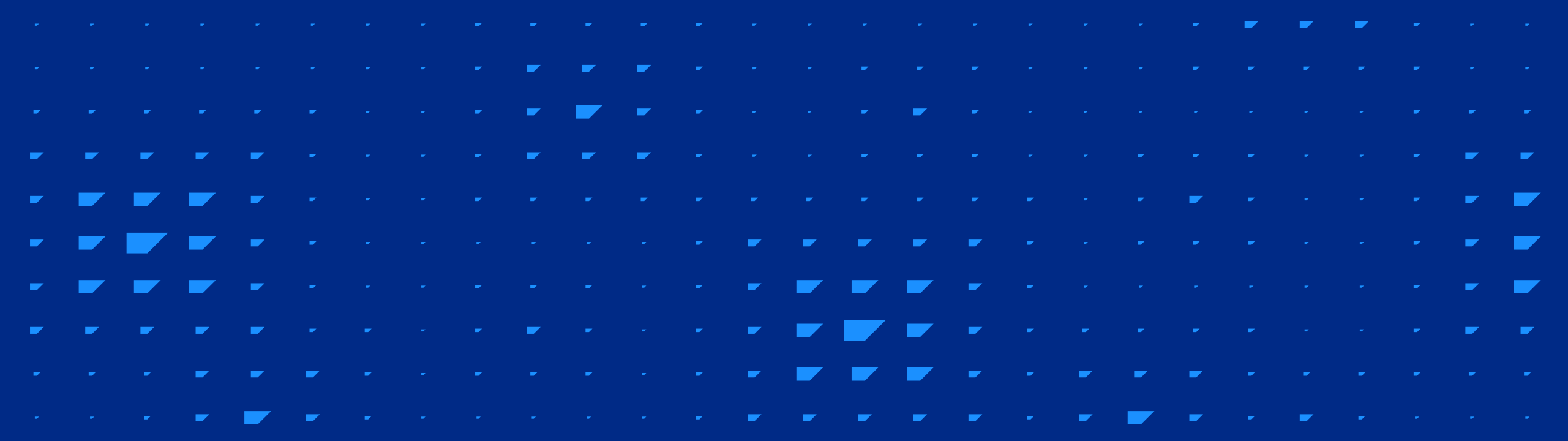
LEARN

[SAP Community](#) | [blogs](#) | [documentation](#) | [what's new](#) | [webinars on key technologies](#)

INTEGRATIONS

[SAP Business Accelerator Hub @ hub.sap.com](#)





Thank you.

Product management,
SAP Integration Suite

Follow us



www.sap.com/contactsap

© 2026 SAP SE or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

The information contained herein may be changed without prior notice. Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors. National product specifications may vary.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platforms, directions, and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, and they should not be relied upon in making purchasing decisions.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. All other product and service names mentioned are the trademarks of their respective companies.

See www.sap.com/trademark for additional trademark information and notices.