

Angles for SAP Release Notes

Version: 2025.1

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End user – Highlights

OData Dynamic model

The OData model for angles/displays for R1/on-premises used to be cached in memory and synchronized on request or set intervals. This has been replaced by a dynamic load of definitions. Displays are still cached for a limited amount of time (two minutes) to optimize load times for running queries. However, when a display is changed to the Web Client, the changes of the display will already be available in OData upon new request. The previously active limit to the number of angles returned in the UI (500) is no longer observed as the Application Server will search for all the angles when searching.

End user - Fixes and improvements

Automated Tasks: Email Attachment Size Validation

This feature introduces email attachment size validation for automated task emails, ensuring attachments do not exceed a configurable size limit before sending.

New features include:

- ✓ Configurable max-attachment-size setting – Default set to 20MB, adjustable by admin users in the system settings page to align with different email system limitations.
- ✓ Pre-send validation – Prevents oversized attachments from being sent, avoiding email failures.
- ✓ Clear error notifications – If an attachment exceeds the limit, users receive:
 - A descriptive error message explaining the issue
 - Email notification to intended recipients informing them of the problem
 - Detailed log entries for troubleshooting
 - Automation task status update, indicating the task ran successfully but the file was too large to send

This enhancement improves reliability, transparency, and troubleshooting for automated email tasks, ensuring smoother workflow execution and error handling.

[05052891] Automated Tasks: Enhanced Email Logging for Automated Task Actions in Angles for SAP

This enhancement improves transparency and auditing for automated email notifications in Angles for SAP. Previously, recipient details were not logged when using the "Result only" email setting. With this update, recipient information is now consistently stored and visible in logs and the database, ensuring alignment with other email notification settings. This improves traceability, simplifies troubleshooting, and enhances compliance with reporting requirements—without requiring additional user configuration.

[05068673] Automation Tasks: 403 Forbidden error while saving

While saving automation tasks, a 403 Forbidden error would be shown in some scenarios, causing the task not to be saved. This has been resolved.

[05093798/05133745] Template unavailable in language other than English

Some templates would not be available in other languages than English. Specifically, templates for Create Angles page would be affected. This has been resolved.

[05093798/05133745] WebClient uses publicly disclosed ASP.NET machine key

The Web Client and IT Management Console were found to be using 'ASP.NET machine keys' that had been publicly disclosed. These machine keys are used by the Web Client and IT Management Console internally to validate and decrypt messages or data objects that are sent over the network. More technically, the machine keys are used to protect *ViewState* against tampering and information disclosure. ViewState is the method by which ASP.NET Web Forms preserve page and control state between postbacks.

If these keys are stolen or made accessible to threat actors, these threat actors can craft a malicious ViewState using the stolen keys and send it to the website via a POST request. When the request is processed by ASP.NET Runtime on the targeted server, the ViewState is decrypted and validated successfully because the right keys are used. The malicious code is then loaded into the worker process memory and executed, providing the threat actor remote code execution capabilities on the target IIS web server.

This has been resolved by generating new unique and private machine keys.

More info:

<https://www.microsoft.com/en-us/security/blog/2025/02/06/code-injection-attacks-using-publicly-disclosed-asp-net-machine-keys/>

Search Page: The 400 error when loaded with empty filter

When navigating to the search page in an on-premises environment without any (default) filter activated, the page would show a 400 error. This has been resolved.

Workbench | Disabling of child include module does not work correctly

It was found in Workbench that child include modules would not be disabled correctly once their parent would be disabled. This has been resolved.

[04938713] Automated Task files are not uploaded to Sharepoint

Automated tasks would fail to upload files to Sharepoint. This has been fixed.

IT user – Highlights

Extraction via SAP Business Technology Platform (BTP)

This release introduces a new extraction option leveraging SAP Business Technology Platform (BTP).

New features include:

- ✔ Seamless data extraction using BTP technology – Providing a modern and secure alternative to traditional VPN/WebSocket-based methods.
- ✔ Hybrid integration support – Allowing businesses to maintain on-premises systems while benefiting from cloud-based extraction and integration services.

This enhancement enables efficient, scalable, and secure data extraction, supporting organizations in their digital transformation journey while maintaining regulatory and operational flexibility.

IT user - Fixes and improvements

Model Server Logfile: Record of actually used currency conversion factors

To support currency conversion related investigations, the log file of Model Server is extended with a record of the actually used currency conversion factors.

Could not enable modules in Workbench for newly added model

After adding a new model in IT Management Console, the user was not able to enable modules for it in the Workbench. This has been resolved.

Error and warning count in refresh cycle history section was never updated

The error and warning count in the refresh cycle history section in ITMC would always show zero. This has been resolved to reflect the actual error and warning count as shared by ETL.

[04862965] Libraries for SAML authentication are outdated

The libraries used by the Security Token Server for SAML authentication to external identity providers were outdated. These have been updated to the current version.