

Critical Support Bulletin



To: All InRule for Microsoft Dynamics 365 Customers

Planning for Dynamics 365 WS-Trust Deprecation

Summary

To ensure security for Dynamics 365 environments, Microsoft is disabling the ability to authenticate to environments with WS-Trust (Office365 auth type) on April 4, 2022 – [view notice from Microsoft here](#). Your organization should have received a similar notice and may have already taken action.

IMMEDIATE ATTENTION REQUIRED - depending on your InRule version and configuration, this deprecation could result in the sudden outage of rule execution and/or authoring connectivity resulting in production work stoppage.

Changes to your InRule installation, either via upgrade or configuration may be required before this date to maintain connectivity. Please note - this deprecation deadline applies to Dynamics 365 online and does not impact on-prem installations.

Assessing Impact

The current version 5.7.2 of InRule for Dynamics 365 as well as versions dating back to 5.6.0 fully support alternatives to WS-Trust, but older versions will require a software upgrade. There are two InRule components that need to be evaluated for upgrade, irAuthor and the Rule Execution Service. Refer to the support matrix below to see if an upgrade is required.

	< 5.2	5.2-5.5	5.6+
<i>Execution Service</i>	Upgrade Required	Supported*	Supported
<i>irAuthor</i>	Upgrade Required	Upgrade Required	Supported

*Note regarding the mixed support for versions 5.2-5.5. In the scenario above, the execution service will continue to work (if configured with OAuth), but irAuthor will not be able to re-sync or test with Dynamics. **Since all InRule components have to be upgraded together (execution service, irAuthor, InRule App)**, this scenario still requires a complete upgrade to be fully compatible. The distinction for this scenario is that there is more flexibility to plan the upgrade since runtime execution is not impacted.

Connecting with the Rule Execution Service

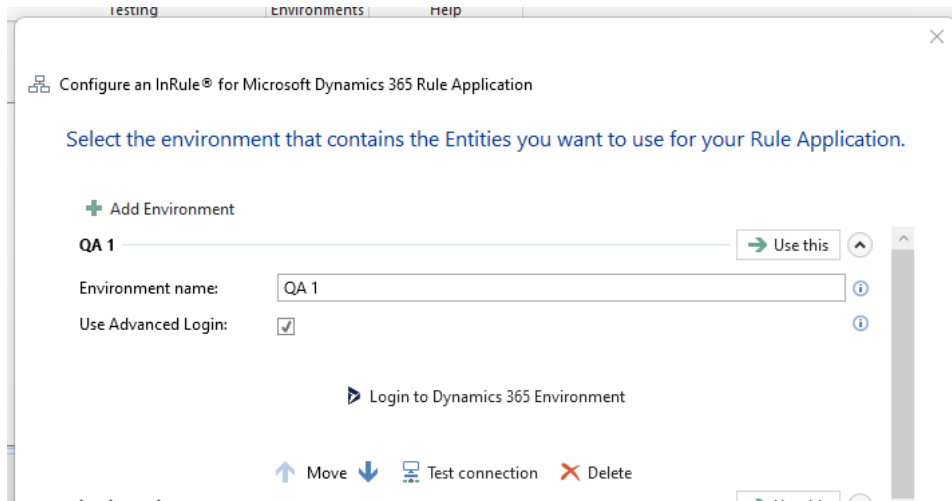
Supported versions of the Rule Execution Service (5.2+) configure connectivity to Dynamics 365 via connection string. However, connection string authentication can still be configured to use WS-Trust via the 'Office365' connection type. If this is the case, the connection string will need to be updated to use a supported authentication method. The most direct method is the 'OAuth' auth type with Microsoft AppId and RedirectUri. An example of how to do this is specified in Microsoft documentation on the subject here: <https://docs.microsoft.com/en-us/powerapps/developer/data-platform/authenticate-office365-deprecation#what-should-i-do-to-fix-my-application-code-if-affected>

Additionally, the 'ClientSecret' authentication type can also be used. Instead of authenticating via a user account, this authenticates with an Azure AD app and associated client secret, but requires additional configuration inside Dynamics. You can find information for creating an Azure AD app and steps to

configure the Application User in Dynamics in section 3.3.2 and 3.3.5 of the [InRule for Microsoft Dynamics 365 Deployment Guide](#).

Connecting with irAuthor

Even if a supported version of InRule is deployed, configuration may need to be changed to use a supported authentication method. When connecting from irAuthor, this means you must use the Advanced Login option in the environment selector (introduced in 5.6.0).



Selecting the 'Use Advanced Login' option and then clicking the 'Login to Dynamics 365 Environment' button will bring up a login control that supports interactive login via browser window. In addition to using OAuth instead of WS-Trust authentication, this method also supports MFA and other Conditional access login functionality.

Custom Implementations

Any custom-developed components that integrate with InRule and Dynamics 365 will need to be manually checked for usage of WS-Trust. Like the rule execution service, if these components use a connection string, they should be able to be configured to use an alternative authentication method as specified above. If the component does not use a connection string, that does not necessarily mean that it is not supported, but you will need to check with the author on the authentication method used. The Microsoft documentation provides guidance on how to identify whether or not code is using WS-Trust: <https://docs.microsoft.com/en-us/powerapps/developer/data-platform/authenticate-office365-deprecation#how-do-i-know-if-my-code-or-application-is-using-ws-trust>

For additional information and inquiries, please contact support@inrule.com