

# Release Notes

## for Perfion-Sana Connector 3.2

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# Introduction

This document describes the changes introduced in different versions of the Perfion-Sana Connector.

## Changes in 3.2.4

Issue ID	Title	Description
#142689	When using Booleans, added in 3.2.3, Sana fails to synchronize	<p>The issue was caused by an error in the connector not supplying a type-attribute when outputting a value for a Boolean-field-</p> <p>From this version it is output correctly as:</p> <pre>&lt;field name="Perfion__MyValue" value="1" type="Boolean" /&gt;</pre>

## Changes in 3.2.3

Issue ID	Title	Description
#141761 #132426	Support for Boolean type in Sana added.	<p>In previous versions of the Connector, booleans in Perfion were converted to Strings in Sana sending the string-values "true" and "false". Now mapped booleans are indeed mapped to the "Boolean" Entity Field type in Sana and instead sending a "0" and "1" for "false" and "true", respectively.</p> <p>Note that a tri-state Boolean in Perfion allows you to send either a "0" or "1" or not sending anything at all for a Boolean-field. A two-state can only send either nothing (i.e. "false") or a "1"</p>

## Changes in 3.2.2

Issue ID	Title	Description
#137478	Test Connection fails when Sana Connector is connected to 5.4.0	The "Test Connection"-button on the Perfion Add in-settings page is not too much help when connected to Perfion 5.4.0 (and later). A stricter way introduced in 5.4.0 of interpreting queries makes this test fail regardless of the settings. It is only the test that is affected by this. The Connector works despite this issue. This has been fixed.
#133080	Ability to add descriptions to attachments	Using a new capability introduced in Perfion 2024 R1 SR2 (being able to output multi value attributes on Attachments and Urls) it is now possible to add a description-attribute to Attachment and Urls output from the ECommerce API. Having such a description-attribute will make the Sana Connector use that instead of the auto-generated description and hereby make use that as title on the links it makes on the front end.

Issue ID	Title	Description
		See more in both ECommerce API- and Sana-Documentation.

## Changes in 3.2.1

Issue ID	Title	Description
<b>DEV-8430</b>	Fetching images has been optimized	<p>Sana improved their image synchronization task so that it only will fetch images that have been modified since last fetch. This will significantly improve performance of all but the first synchronization. For this to work, images have to be output in "GetProductImages"-call with their "ModifiedDate". Otherwise, Sana will continue to fetch the images. The Connector do now output ModifiedDate, so Sana can see which images have been modified and which who doesn't have.</p> <p>Note: This feature has only been implemented in Sana Commerce Cloud by Sana. Not in older versions. The connector will, however, output ModifiedDate regardless of which version of Sana it is installed on. At the wtime of writing, Sana will ignore the ModifiedDate in all versions but Sana Commerce Cloud.</p> <p>The Image Cache in the connector is no longer needed in Sana Commerce Cloud and is for that reason removed. It continues to work in the connector when used in other versions of Sana.</p>
<b>DEV-8431</b>	Culture Id coming from Sana can now be overwritten in multiple ways	<p>The first call done by Sana is guaranteed to be GetSettings. Here the Erp-part of Sana returns various settings for the web-part to use. As part of these settings is the "Default Culture Id" This culture Id tells the web-part two "things":</p> <p>1) <b>Field naming:</b> The default culture id tells how fields are named. That is, should a localizable field have its name-attribute postfixed with the culture id for which culture, that is language, it represents. The rule, as defined by Sana, is that localizable fields should always have their name postfixed with culture id unless it represents the default culture. In that case it should not be postfixed with anything.</p>

Issue ID	Title	Description
		<p>2) <b>Value formatting:</b> The default culture id tells how numeric and date values will be formatted. Here numbers and dates should be formatted as Microsoft defines "NumberFormat" and "ShortDatePattern", respectively, using the default culture.</p> <p>Sometimes, however, Sana is set up so that the Culture Id supplied by GetSettings should be ignored and another culture used. Up until now the Sana Connector "only" had the option to overwrite the Default Culture Id, using the SanaDefaultCultureId-setting, such that above behaviors were affected as a whole. In this release two new overrides have been introduced:</p> <p>1) <b>SanaDefaultCultureId_FieldNaming:</b> As the name implies this setting controls the Field naming part as described above.</p> <p>2) <b>SanaDefaultCultureId_ValueFormatting:</b> As the name implies this setting controls the Value formatting part as described above.</p> <p>If any of the above is not filled set, the Connector will, revert to using SanaDefaultCultureId. If that is not filled, the culture id provided by the ERP-system will be used.</p>
<b>DEV-8651</b>	Sana Connector could cause Sana Product Image import to stop with an error	When importing images, the Connector could cause the Image Import Job to fail if Sana asked for an image that is no longer in Perfion. That could happen if some image was deleted during the import. This has now been fixed.

## Changes in 3.2.0

Issue ID	Title	Description
<b>DEV-5817</b>	A new Cloud connector version to support new features in SCC	<p>The new Perfion Sana Cloud Connector for SCC now supports the new packages feature. After update Perfion Sana Cloud Connector can be installed in Advanced package and also in Pro package if the connector is purchased as a separate item.</p> <p>There are were no changes done in other versions of connectors.</p>

## Changes in 3.1.8

Issue ID	Title	Description
<b>DEV-5005</b>	Fixed time out issues when running in SCC	Fixed time out issue when running in SCC. The connector did not close SoapClient properly.

## Changes in 3.1.7

Issue ID	Title	Description
<b>DEV-4716</b>	Sana Connector could timeout waiting for exactly 1 minute	This was introduced in 3.1.0 and has now been fixed, so that timeout specified in settings is respected.

## Changes in 3.1.6

Issue ID	Title	Description
<b>DEV-4529</b>	When Sana asks for non-existing attachment, the connector no longer throws Not found (404)-exception	In previous versions, when Sana asked for a non-existing attachment, the Connector would throw a Not Found (404)-exception. This could happen if Sana asked, for some products with some attachments, and then, before Sana asked for the attachments using GetAttachmentFile, they were deleted in Perfion. Now the Connector simply returns an empty result for non-existing attachments.

## Changes in 3.1.5

Issue ID	Title	Description
<b>DEV-4373</b>	Error storing content of Image Cache when running connector in SCC	<p>As part of moving Sana to the Cloud Sana chosen to desupport the SetLength-method on the stream returned by the file system when opening a file for writing. The error thrown was "Specified method is not supported".</p> <p>This affected both the Image Cache and the ability to store log files in local storage (debug option). Now the Sana Connector no longer uses SetLength, which takes care of the issue.</p>
<b>DEV-4367</b>	Sana connector now supports Perfion API Service Authentication.	Sana Connector now supports the Perfion API Service Authentication, i.e. the possibility to set up the API so that it requires a user and a password for a Perfion User in order to be able to connect. To support this, the

Issue ID	Title	Description
		Connector dialog in Sana now allows you to type a User and a Password when setting up the connector.
<b>DEV-4366</b>	Test of whether File-Service was available failed after upgrading to 4.9	The "Test Connection"-button in "Sana Connector Configuration"-window erroneously claimed that the File Service failed after an upgrade of the Perfion API to Perfion 4.9. It did that regardless of whether it was working or not. This was only an issue for Perfion API 4.9 and has now been corrected.

## Changes in 3.1.4

Issue ID	Title	Description
<b>DEV-4212</b>	Image Cache could fail initializing	<p>The Image Cache could fail to initialize. This happened since the cache-file erroneously was written using the time separator picked in the OS and not always a ":" (colon). In case some other character was selected as Time Separator (fx. a '.' (punctuation mark) or maybe a '-' (dash)) the Image Cache would fail loading.</p> <p>This has been fixed so now ':' is always used. In addition old Image Caches with time stamps written using '.' will now load fine.</p>

## Changes in 3.1.3

Issue ID	Title	Description
<b>DEV-4028</b>	GetAttachmentFile now logs accessed url and case of error	In case GetAttachmentFile gets an error (a Web Exception) when accessing the web-server supplying the actual attachment data (for example the Perfion File Server), it will now include the url as part of the exception message. Before only the status and exception message were returned.

## Changes in 3.1.2

Issue ID	Title	Description
<b>DEV-3755</b>	Settings are now properly named on Settings-page	Option-strings have been improved on Settings page.

Issue ID	Title	Description
<b>DEV-3783</b>	Soap default limitation gave "Message size quota exceeded"-error	<p>Soap default size limitation gave "Message size quota exceeded" when receiving messages larger than 65.536 bytes (64 kB).</p> <p>This has now been fixed simply by setting the limitation higher (to <math>2^{31}-1</math>).</p>

## Changes in 3.1.1

Issue ID	Title	Description
<b>DEV-3725</b>	The new 3.1.0 Connector did not support https.	The new .net core based connector did not support https. This has been corrected.

## Changes in 3.1.0

Issue ID	Title	Description
<b>DEV-3210</b>	Sana Connector 3.x ported to .net core	<p>Sana Commerce Cloud requires all Addons to be compatible with .net core. This version introduces that in the Perfion Connector in this version. So from now on the Perfion Connector is available in 3 variants:</p> <ul style="list-style-type: none"> <li>• Perfion Connector 3.1.0 for Sana Commerce 9.1.4 - 9.2.x</li> <li>• Perfion Connector 3.1.0 for Sana Commerce 9.3.x</li> <li>• Perfion Connector 3.1.0 for Sana Commerce Cloud 1.0 <b>(NEW)</b></li> </ul> <p>No functional changes made as part of this change. This means that Perfion Connector 3.0.15 and 3.1.0 is functionally equivalent.</p>

## Changes in 3.0.15

Issue ID	Title	Description
<b>DEV-3687</b>	Digging out the Guid from an attachment is now more forgiving	On a single installation there was an issue getting the Guid out of a filename (from an attachment) that was not correctly formed (missed a single _ (underscore)). Hard to say where this comes from. The connector is now more forgiving, when it gets the only thing that really matters for Perfion out of the name, and that is the guid.

## Changes in 3.0.14

Issue ID	Title	Description
<b>DEV-3156</b>	Image Cache has been improved	<p>Image Cache has been improved. Previous, when Sana asked (again) for images on a product, the Image Cache would remove all images that the cache knew, have been served before and hereby only leave the remainder in there.</p> <p>Now this behavior has been changed. From this version the Image Cache checks all images on the product (and its variants). If any image is not found in cache, then the Image Cache will return all images on the product (and no longer only the few missing). This way is better for Sana, since sort order among other things are ruined, when only returning a part result.</p>

## Changes in 3.0.13

Issue ID	Title	Description
<b>DEV-3046</b>	Sana Connector now utilizes the fact the ECommerce API is faster when using "IncludeMappings" and "ExcludeMappings"	<p>When Sana asked for updated products (increment update) it could take quite some time for big. This has been greatly optimized by utilizing that the ECommerce API now is faster when using "IncludeMappings" and "ExcludeMappings"</p> <p>Note: In order to benefit from this improvement it is necessary to upgrade to Perfion 4.6.25 or Perfion 4.7.3.</p>

## Changes in 3.0.12

Issue ID	Title	Description
<b>DEV-2890</b>	Duration of test Connection in Connector Configuration has been improved	For huge EC API configurations clicking "Test Connection" in the Connector Configuration is now much faster.

## Changes in 3.0.11

Issue ID	Title	Description
<b>DEV-2867</b>	Performance has been slightly improved	Smaller performance improvements have been made in the connector. Main improvement is due to caching of compiled xsl-transformations.
<b>DEV-2876</b>	Sana Connector now asks EC API to "include timing"	This means that when outputting debug-information it can always be seen how much time the EC API spent in each query. See EC Api documentation for details on the timing attributes output.

## Changes in 3.0.10

Issue ID	Title	Description
<b>DEV-2786</b>	Variant Components from Perfion took precedence over those from ERP	<p>In previous versions of the Sana Connector: If you had variants enabled in Perfion, the Sana Connector assumed that it would find information on Variant Components in Perfion (if any were there). Information on these components from ERP was discarded regardless of whether some was found in Perfion or not.</p> <p>Now Variant Components from ERP always are taken if there. In fact: If both ERP and Perfion holds information on Variant Components, the ones from ERP will take precedence.</p>
<b>DEV-2858</b>	Attachments on variants from ERP was ignored	Previous versions of the connector always ignored attachments on Variants coming from ERP. Now Variants (as well as Products) adhere to the setting SanaAttachmentsSource made to control the source for Attachments (See documentation).

## Changes in 3.0.9

Issue ID	Title	Description
<b>DEV-2576</b>	Sana Connector now utilizes the fact that the ECommerce API can refresh a single channel at a time	Before version 3.0.9 the Sana Connector asked the ECommerce API to refresh all channels, when a refresh was needed. It was the only option in the ECommerce API before version 4.6.21. While working fine in most setups, it had the drawback of being slow on setups with many channels (and a huge configuration making refreshing a single site slow). In the old version of the ECommerce API the time it took to refresh was linear to the number of channels.

Issue ID	Title	Description
		<p>Now the Sana Connector only refreshes the single channel requested (All Sana requests always refer to a single website, that is Channel). This effectively divides the refresh time with the number of (Sana-)channels active in Perfion.</p> <p><b>Important:</b> To get the performance-benefit from this change, you will need at least version 4.6.21 of the Perfion API. While the connector will still work on older versions, it is strongly recommended to upgrade Perfion API to 4.6.21 (or later).</p>

## Changes in 3.0.8

Issue ID	Title	Description
<b>DEV-2500</b>	Now possible to output images in Perfion as fields to Sana	<p>A new configuration settings has been made that, if enabled, output all images in Perfion as fields to Sana. The mapping in the ECommerce API should still be with outputkind "Image".</p> <p>When enabled these fields will contain the unique guid for each image mapped. This allows a customized Sana installation to use the Image API in Perfion to retrieve images instead of its own built-in.</p> <p>Without this customization on the Sana-side this ability should not be enabled.</p>
<b>DEV-2502</b>	Sana Connector for Sana 9.1.4 - 9.2.0 erroneously reported version 0.0.0	Sana Connector for Sana 9.1.4 - 9.2.0 erroneously reported its version number as 0.0.0. This issue, which has no other impact, has now been fixed.

## Changes in 3.0.7

Issue ID	Title	Description
<b>DEV-2075</b>	Connector now supports a timeout-setting	<p>This setting, available on the Perfion Addon configuration page, allows you to set how long time, in seconds, the Perfion API may spend to provide an answer. Default is 100 secs (the duration that was fixed in previous versions of the connector).</p> <p>100 secs is usually enough, but if you run into timeout issues, when contacting the ECommerce API, increasing this might be a solution.</p>

## Changes in 3.0.6

Issue ID	Title	Description
<b>DEV-2075</b>	Removed ability to output Image Urls in Fields	Sana Connector 3.0.5 introduced the ability to output Image Urls as simple fields (DEV-2045). This turned out to be unnecessary so that option has been removed and will no longer work (if enabled in 3.0.5).
<b>DEV-2076</b>	Texts on configuration page has been improved	<p>Contracted texts like "OnlyErp" and "EnableLogging" on the configuration page has now been written nice and clearly, i.e. "Only test connection to ERP (recommended)" and "Enable logging", respectively, for the above.</p> <p>These strings are only shown on configuration page. This fix introduces no other behavioral change.</p>

## Changes in 3.0.5

Issue ID	Title	Description
<b>DEV-2043</b>	Connector can now log to the "Add on"-folder for simpler debugging	<p>It is now possible to make the Sana Connector log into the "Add on"-storage instead of to the trace log. It makes the process of debugging faster. This is obviously only an advantage for on-premise installations where you have access to this storage. This is indeed how the 2.0 connector did its logging.</p> <p>Furthermore you can ask for these files to be prefixed with a timestamp, such that all queries handled in some time period can be investigated. Please note: There is no cleaning up of these files, so with timestamps enabled the number of files will grow indefinitely.</p> <p>Default is to log to Trace Log (as previous versions of the 3.0 connector did).</p>
<b>DEV-2044</b>	The Sana call to TestConnection can now be set up to only test connection to Erp (and not both Erp and Perfion)	<p>Sana regularly calls TestConnection to check the availability of the Erp-system. In all previous versions of the 3.0 Connector, it has always called as well, and only if both Erp and Perfion can be connected to, Sana gets an "OK" back from the call. Now it is possible to ask the connector not to check the availability of Perfion on each call. The 2.0 Connector always only checked the Erp-system.</p> <p>Note: This TestConnection-call must not be mistaken for the "Test Connection"-button on the Configuration-page for the Connector, which is not affected by this change.</p>

Issue ID	Title	Description
<b>DEV-2045</b>	The Connector can now output images as simple fields in Urls.	<p>For some sites it can be beneficial to drop passing images from Perfion to Sana using the usual "GetProductImages" and "GetProductImageFile"-methods. Now you can, in the Connector Configuration-page, set the connector up to (also) output all images as normal fields simply containing the Url to the image in Perfion.</p> <p>In order for this to work, some customization is needed in Sana.</p> <p>Please note that methods "GetProductImages" and "GetProductImageFile" continue to answer as they have always done. So make sure in your Sana setup to not call them anymore. Note further that Outputting images as Urls in fields is not affected in any way by the Image Cache introduced in version 3.0.3.</p>

## Changes in 3.0.4

Issue ID	Title	Description
<b>DEV-1674</b>	Image Cache was persisted incorrectly	<p>The image cache introduced in Sana Connector 3.0.3 was not being persisted correctly to file. This has been fixed.</p> <p>Furthermore, two things regarding image cache have been added:</p> <ul style="list-style-type: none"> <li>• A GetProductImageCacheFile-method letting user see the file content in Sana Interface (Debug Erp-request)</li> <li>• A broken Image Cache-file will no longer cause connector to fail. Instead a backup of the file is taken and a new ImageCache-file is made.</li> </ul> <p>See Documentation for more info on these changes.</p>
<b>DEV-1642</b>	Test Connection now tells if license is missing	In previous versions of the Connector, you instead got a "0 stores found", if you were missing license to run Sana Connector. Now issue description is more telling.

## Changes in 3.0.3

Issue ID	Title	Description
<b>DEV-1465</b>	Added an Image Cache reducing the number of images sent to Sana	<p>Added an Image Cache to connector remembering which images are already sent to Sana, so that when Sana asks (again), they will not be sent again unless they have changed, or cache time expires. For installations with many product updates and/or many images per product, enabling this will have a pretty dramatic impact on the images needed to send.</p> <p>See Sana Connector documentation for more information on how to enable this cache.</p>
<b>DEV-1452</b>	Issue with settings (usually SanaDefaultCultureId) could cause connector to force Sana to switch to maintenance mode	The connector could in some cases throw a "Sana Settings not initialized"-error, causing Sana to go to maintenance mode. The issue was a concurrency issue that seemed to only show on multi store sites.
<b>DEV-1420</b>	Sana Connector did not use correct Sana Type names for numbers and dates.	When returning values for date- and number-feature the connector used their Perfion Type-names instead of the correct Sana Type-names. This has now been corrected so that it uses "DateTime" for dates and "Decimal" for numbers. With a wrong type, Sana treats them as strings. This had impact when they were used as facets, where the sorting order of the facet values were wrong.
<b>DEV-1314</b>	"Empty" images were shipped to Sana	The rare occasion where a selectable image has no image (shown as "(No value)" in Perfion) did cause trouble for Sana, since the connector included these as part of GetProductImages. This has now been corrected so that such "empty" images are no longer sent to Sana.

## Changes in 3.0.2

Issue ID	Title	Description
<b>DEV-1215</b>	GetProductImageList-call now encodes culture and file name into ImageName-element	<p>In order to get some information through from Perfion to Sana ImageNames are now treated the same way as attachment names. This means that ImageNames sent to Sana now contains the Guid for the image (needed by Perfion), the culture of the image (if any) and the File Name for the file. All separated by underscores.</p> <p>See documentation for more information.</p>

Issue ID	Title	Description
<b>DEV-1212</b>	Sana Connector does not support Variants in ERP but not in Perfion	<p>Now the connector allows that ERP-system contains variants even if these variants are not in Perfion. Previous versions of the connector required to have variant setup and present in Perfion for variants to work.</p> <p>Setting ECommerce Setting "VariantSupportEnabled" to "false" will from now on simply pass on all variant information coming from the ERP through to Sana without touching it. This is likely a rare configuration, since in most installations you would like to augment variant information coming from in ERP-system with information from Perfion. Just as is the case for products.</p>
<b>DEV-1139</b>	Tiff images are not shipped to Sana	<p>The Sana Connector did not handle images properly. It always communicated the file format obtained from the original image file instead of using the file format returned by the image server.</p> <p>Since Sana managed to understand most file formats anyway (jpg and png, most notably) this was only a problem for tiff-files and other image formats not supported by Sana.</p> <p>This has been fixed, so that the ImageFormat setting of the ECommerce API decides the format of images sent to Sana. Default is jpg.</p>

## Changes in 3.0.1

Issue ID	Title	Description
<b>DEV-1060</b>	Connector did not work with all ERP-connections	<p>According to Sana Documentaion the result of a TestConnection will be like this:</p> <pre>&lt;Response&gt;   &lt;Result&gt;     &lt;TestConnection&gt;OK&lt;/TestConnection&gt;   &lt;/Result&gt; &lt;/Response&gt;</pre> <p>But the "OK" is not always in upper-case which the 3.0.0 connector assumed. This has been fixed so that connector accepts letters "OK" as meaning tested OK regardless of the case.</p>

Issue ID	Title	Description
<b>DEV-1039</b>	It can now be controlled whether related products, attachments and categories come from ERP instead of Perfion	<p>In previous versions of the Connector, it always assumed that related products, attachments and categories came from Perfion and not from ERP. Results coming from ERP was either not asked for (categories) or ignored (related products and attachments).</p> <p>Now 3 settings have been introduced allowing you to control which of the 3 (if any) should come from ERP instead of Perfion. The settings are named SanaCategoriesSource, SanaRelatedProductsSource and SanaAttachmentsSource.</p> <p>They can all be set individually to one of 3 values:</p> <ul style="list-style-type: none"> <li>- None: These are not returned at all by the connector.</li> <li>- Perfion: These are returned by Perfion (default)</li> <li>- ERP: These are returned by the ERP-system</li> </ul> <p>Note: It is not possible to combine, say, attachments from both ERP and Perfion.</p>
<b>DEV-989</b>	Added setting SanaTimeDifference allowing connector adjust for any time difference between Sana and Perfion	<p>Sana runs in Coordinated Universal Time, also called UTC-time. Perfion runs in whatever timezone the database runs in. To accommodate for a difference between the two, you can now use SanaTimeDifference. This must be set to a number of hours, and it should be the number of hours to get from UTC time to Perfion Database time.</p> <p>Examples:</p> <ul style="list-style-type: none"> <li>- Perfion runs in Central European Time (CET): SanaTimeDifference should be set to -1, since Central European Time is one hour ahead of UTC</li> <li>- Perfion runs in India Standard Time: SanaTimeDifference should be set to -5.5, since India Standard Time is 5 and a half hour ahead of UTC</li> <li>- Perfion runs in Pacific Time (PT): SanaTimeDifference should be set to 7, since Pacific Time is seven hours behind UTC</li> </ul> <p>Note: As can be seen above, it is OK to use . (punctuation mark) as decimal separator if difference in timezone is not a whole number of hours.</p>
<b>DEV-452</b>	GetEntityFields now includes information on Views and Groups	The GetEntityFields call will now be augmented with information on Groups and Views associated with that feature.

Issue ID	Title	Description
		<p>A Sana customization project can utilize this information. See more on this in Perfion Connector 3.0 manual.</p> <p>Note: This feature requires Perfion 4.5 2019 R2 to provide the Views.</p>
DEV-449	Added setting SanaCaptionTemplate allowing connector to embed units in caption sent to Sana	<p>In previous versions of the Sana Connector, only the caption on features could be sent as Caption on Fields in Sana. In Sana there is currently no notion of a unit on a Field.</p> <p>This limitation has been circumvented a bit, since you can now, by using the setting SanaCaptionTemplate, specify that you want, say, the unit to be part of the caption shipped to Sana. This is done by setting the SanaCaptionTemplate to a template describing which (of CAPTION, CAPTIONALTERNATIVE and UNIT) feature attributes you want sent, together with some constant characters that formats the caption nicely.</p> <p>Here are 4 sample templates with their output caption, assuming you have a feature "TopSpeed" with caption "Top speed" and unit "km/h" in Perfion:</p> <ol style="list-style-type: none"> <li>1. Template "%CAPTION%" will just output "Top speed" (same as if no template)</li> <li>2. Template "%CAPTION% (%UNIT%)" will output "Top speed (km/h)". But if UNIT is empty, it will output "Top speed ()"</li> <li>3. Template "%CAPTION (UNIT)%" will output "Top speed (km/h)". But if either CAPTION or UNIT (or both) are empty, it will output "" (blank).</li> <li>4. Template "%CAPTION%% (UNIT)%" will output "Top speed (km/h)". if UNIT is empty, it will just the caption "Top speed".</li> </ol> <p>This feature is described in more detail in the Sana Connector documentation.</p> <p>Note: This feature supports localization (captions and units etc. have localized values in both Perfion and Sana), so all localized versions will be given the same treatment. However, the template used is the same for all languages.</p> <p>Note further: In order to read the unit of a feature from Perfion, version 4.5 2019 R2 is needed.</p>