**What's new in Dynamics 365 Business Central telemetry - August 2023**

It is August and it has been a month since the last newsletter. TODO

As always, the bleeding edge news on Dynamics 365 Business Central telemetry happens on Twitter, so if you want to keep up with the latest and greatest (and the beta versions of the Power BI telemetry apps) then follow me there (@kennienp). The intention of these monthly newsletters is to try to gather everything that I know and learn about this area and present it here. Let’s go…

In the August 2023 edition, read about these things:

* Power BI Usage apps – August updates
* New signal/updates
* Documentation updates
* New blogs and videos

# Power BI Usage apps – August updates

The August updates for both apps mainly include changes of type “all the little things” (to make the reports easier to use). But some of the new cool types of telemetry we got in the 22.0 release is now also surfacing in the apps.

**For both apps**

Error report

On all error pages we now show a green banner if there is no data to show. This helps the user to understand that all the visuals are empty for a reason and not due to an error in the report.

<insert screenshot>

Performance report

On page ‘Long Running AL’, added visual on new dimensions sqlExecutes and sqlRowsRead. These SQL statistics can help you determine if a long running AL method is not only spending a lot of time running AL, but as well is also doing work on the database. Note that the time captured in this event does not include time spend in SQL.

**Environment Usage app**

Usage report

Error report

New page 'Webservice metadata errors' (for data coming in 22.2).

Performance report

# New signal/updates

**New dimension alCallerAppId added to Feature Telemetry in 22.0**

The final piece to the puzzle (on which app is emitting telemetry using the feature telemetry system module) has been added: the alCallerAppId. Using this (together with the other alCaller\* dimensions, it is now possible to fully identity the emitting app.

Documentation has been updated, see

<https://learn.microsoft.com/en-us/dynamics365/business-central/dev-itpro/administration/telemetry-feature-telemetry>

KQL samples have been updated, see

<https://github.com/microsoft/BCTech/blob/master/samples/AppInsights/KQL/Queries/ExampleQueriesForEachArea/FeatureTelemetry.kql>

**Coming soon/in the works (no ETA given)**

New email error telemetry (22.3)

Onboarding telemetry (22.3): format data of date dimensions

Information on files blocked from upload due to malware scanning (only in the online version).

PTE validation signal (PTEs that block updates to next major)

# Documentation updates

**Azure function telemetry**

We added KQL samples to Azure function telemetry article

<https://learn.microsoft.com/en-us/dynamics365/business-central/dev-itpro/administration/telemetry-azure-function-integration-trace>

for easier troubleshooting.

# Tips and tricks

**New learning path: Data analysis with Kusto Query Language**

The team behind KQL have created a new learning path where students can learn how to analyze data in various environments using the Kusto Query Language.

Modules in this learning path

\* Explore the fundamentals of data analysis using Kusto Query Language (KQL) - learn about the basics of Kusto Query Language (KQL), and the various Microsoft products that use it.

\* Write your first query with Kusto Query Language - get started by writing simple queries in Kusto Query Language (KQL) to explore and gain insights from your data. Learn how to use the operators take, project, where, count, sort, and others.

\* Gain insights from your data by using Kusto Query Language - write advanced queries in Kusto Query Language to help you gain insights from your data. Use the aggregation functions count, dcount, countif, sum, min, max, avg, percentiles, and others.  
\* Write multi-table queries by using Kusto Query Language - write advanced queries in Kusto Query Language to gain deeper insights by combining data from several tables. Learn how to use the table-level operators lookup, join, union, and materialize, and the new aggregation functions arg\_min and arg\_max. You'll also communicate these results visually in charts.

Check it out yourself here: <https://learn.microsoft.com/en-us/training/paths/kusto-query-language/>

**Parsing URIs with KQL**

If you ever need to parse an URL string into its components, then check out the built-in function parse\_url. For more information, see <https://learn.microsoft.com/en-us/azure/data-explorer/kusto/query/parseurlfunction>

The sample KQL code for outgoing web service calls has been updated with an application of this function. See the example below:

<https://github.com/microsoft/BCTech/blob/master/samples/AppInsights/KQL/Queries/ExampleQueriesForEachArea/OutGoingWebServiceCalls.kql>

# Blog posts and videos

TODO

Did you know that the BCTech repo has pages with links to blog posts and videos on telemetry?

Blogs: <https://github.com/microsoft/BCTech/blob/master/samples/AppInsights/BLOGS.md>

Videos: <https://github.com/microsoft/BCTech/blob/master/samples/AppInsights/VIDEOS.md>

If you create blog posts/videos on telemetry (or know of things that are not linked from these two pages), feel free to do a pull request to the repository (or send me an email/message)

**That’s all folks!**

That's it for the July newsletter. If you made it all the way down here, then you are truly a Telemetry Hero. See you in a month.

PS. Would love to hear your experiences on using alerts to be more proactive. Reach out (or blog about your experiences.)

PPS. It is not too late to rate the Power BI apps on Appsource 😊 Your feedback matters (a lot).

Do it here:

<https://appsource.microsoft.com/en-us/product/power-bi/microsoftdynsmb.bc_telemetry_pbi_app>

(for environment telemetry)

or

<https://appsource.microsoft.com/en-us/product/power-bi/microsoftdynsmb.bc_telemetry_pbi_app_isv_version>

(for app telemetry)