

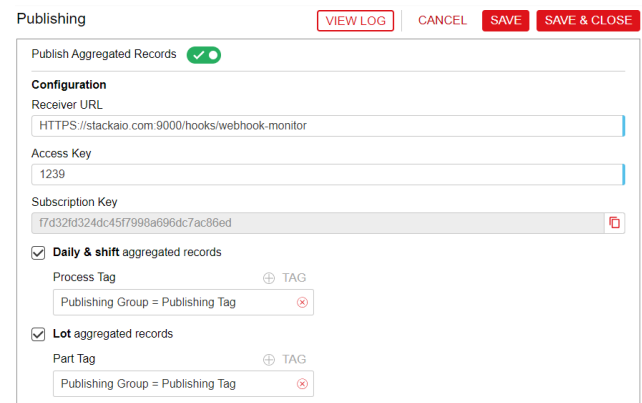
Key Benefits & Capabilities

KPI Publishing enables you to publish Key Performance Indicators (KPIs) that reside within Enact. Many clients find it useful to share quality KPI and lot data from Enact with other plant systems. KPI Publishing simplifies this data exchange process—saving you time and effort. KPI Publishing is a standard feature in Enact—significantly expanding the use and value of quality data by enabling clients to share this important information with other plant reporting and information systems.

What Do You Need for KPI Publishing?

To use KPI Publishing, you need the following:

- › A secure URL able to receive messages indicating that Enact KPI data is available to be published
- › An Enact access key to ensure data security when publishing Enact KPI data
- › Software that can use APIs to retrieve data—and acknowledge when data transfer is complete using an InfinityQS specific access key



The screenshot shows the 'Publishing' configuration window in Enact. At the top, there are buttons for 'VIEW LOG', 'CANCEL', 'SAVE', and 'SAVE & CLOSE'. The main section is titled 'Publishing' and includes a status indicator 'Publish Aggregated Records' with a green checkmark. Below this is the 'Configuration' section, which contains several fields: 'Receiver URL' (HTTPS://stackaio.com:9000/hooks/webhook-monitor), 'Access Key' (1239), and 'Subscription Key' (f7d32fd324dc45f7998a696dc7ac86ed). There are two checkboxes: 'Daily & shift aggregated records' and 'Lot aggregated records', both of which are checked. Each checkbox has a 'TAG' button and a 'Publishing Group' field set to 'Publishing Tag'.

How Does KPI Publishing Work?

The following process is used to publish Enact KPIs to your plant systems:

- › Quality data aggregation is triggered by three user actions: End of Day, End of Shift, Lot Status Closed/Lot Testing Completed, and when a user edits a subgroup
- › Users select the Enact processes for the aggregated data records that will be published
- › When aggregated records from Enact become available for publishing, Enact sends a message to the web location (URL) containing instructions for retrieving the data
- › Once this message is received, the user plant system can call the Enact API using the subscription key provided in the KPI Publishing page within Enact
- › Published files are in a Javascript Object Notation (JSON) format. InfinityQS uses JSON because it is smaller in size, faster to use, and is easy to read as compared to other data formats

Data Security & Integrity

Enact retains KPI data for 24 hours. Users can also opt to send a deletion request to Enact; once Enact receives this request, all related published data is immediately deleted. Enact also includes an automatic retry policy, which helps ensure that the publishing process can be completed without manual intervention.

What Data Can Be Published?

Basic Information PART: Part Name PROCESS: Process Name FEATURE: Feature Name #SUBGROUPS: Count of subgroups #PIECES: Count of pieces #OOS: Count of pieces out of spec #DEFECTS: Count of defects #DEFECTIVES: Count of defectives MEAN: Mean SD (ST): Short term standard deviation SD (LT): Long term standard deviation CQS (TOTAL): Composite quality score derived from OOS, Defects, and Defectives CQS (PPM): CQS per-million	Net Content Statistics # <MAV(L): Count below MAV(L) # >MAV(U): Count above MAV(U) # <T1(L): Count below T1(L) # >T1(U): Count below T1(U) # <T2(L): Count below T2(L) # >T2(U): Count below T2(U) DEV LSC(MAV): Process Mean - LSC DEV LSC(T1T2): Process Mean - LSC	Requirement Event Statistics #Due Data Collections: Count of expected Data collections only #On-time Data Collections: Count of On-Time checks for Data collections only #Missed Data Collections: Count of Missed checks for Data collection only #Late Data Collections: Count of Late checks for Data collection only #Due Checklists: Count of expected Checklists only #On-time Checklists: Count of On-Time checks for Checklists only #Missed Checklists: Count of Missed checks for Checklists only #Late Checklists: Count of Late checks for Checklists only
Process Capability Indices CP: Cp CPK: Cpk CPM: Cpm PP: Pp PPK: Ppk PPM: Ppm	Additional Information Part Tags: List of tags associated with all the parts in the published data Feature Tags: List of tags associated with all the features in the published data Process Tags: List of tags associated with all the processes in the published data	Lot Statistics #PIECES: Count of pieces #OOS: Count of pieces out of spec #DEFECTS: Count of defects #DEFECTIVES: Count of defectives MEAN: Mean SD (LT): Long term standard deviation PP: Pp PPK: Ppk

Use Case: Quality & Operational Management Reports

KPI Publishing is designed to easily facilitate the incorporation of Enact metrics and data into existing quality or operational reports or online dashboards. Following are some examples of Enact metrics that might fit in to your existing reporting:

- › **Sampling Compliance:** daily or by shift on-time data collection performance (%)
 - › Helps managers stay informed on their team's on-time data collection performance
- › **Out of Specification Events:** counts of OOS events
 - › Helps provide visibility into significant process variation issues
- › **Yield:** daily or by shift
 - › Helps managers stay informed on process yield issues
- › **Lot Release**
 - › Helps managers make lot release decisions

Share your quality KPI data
with other plant systems.

Ready to learn more about KPI Publishing in Enact?

Email us at info@infinityqs.com

or call us at +1 800.772.7978.