DataHub - SignalGroups - alarmMonitoring

General Description

Service name	alarmMonitoring
Description	Provides alarm and warn- Messages from the machine to the data hub
Condition	Enabled on the machine & requested by the DataHub
Customer controlled	☑
Enabled er default	☐
Use case	increasing of the service quality by the service
Publish interval	event
Variable publish interval	☐

Additional Remarks

Configuration/CCM parameter

- ~~enabled / disabled~~
- ~~include information messages (default false)~~

Related Jira issues

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
SWSMDC-1878	Change enabling behavior of the DataHub signal groups	🔖	Sep 09, 2021	Oct 01, 2021		Schumann Jens	Damm Jens	⛔	DONE	Done
SWSMDC-1760	SIEMENS OPC UA, alarm monitoring	🔖	Apr 19, 2021	Oct 01, 2021		Nakatsu Yuto	Damm Jens	⛔	CLOSED	Done
SWSMDC-1741	MAPPS UDI, alarm monitoring	🔖	Apr 12, 2021	Sep 16, 2021		Nakatsu Yuto	Damm Jens	⛔	CLOSED	Done
SWSMDC-1740	FANUC FOCAS, alarm monitoring	🔖	Apr 12, 2021	Sep 16, 2021		Nakatsu Yuto	Damm Jens	⛔	CLOSED	Done
SWSMDC-1739	Heidenhain DNC, alarm monitoring	🔖	Apr 12, 2021	Oct 01, 2021		Di Sarno Marco	Damm Jens	⛔	CLOSED	Done
SWSMDC-1738	SIEMENS UDI, alarm monitoring	🔖	Apr 12, 2021	Sep 16, 2021		Di Sarno Marco	Damm Jens	⛔	CLOSED	Done

6 issues

Device twin parameter

Parameter	Format	Description	default value, if not given in device twin

enabled	boolean - true/false	Indicates if *alarmMonitoring* is activated at the machine (enabled in CCM). This parameter is reported by the MDC al the time. • reported property The property is reported by the MDC according to the desired property. Reported property should always be the same value as desired property. • desired property The desired property is written by the DataHub. Only if the desired property is written to "true", the service related data point are send	false
~~info~~	~~boolean - true/false~~	~~indicates if information level messages shall be included, see also~~ messaging.notification.info~~.~~ ~~If false, messages of this type are not send to the data hub~~ • ~~reported property~~ ~~The property is reported by the MDC according to the setting on the machine (CCM)~~ • ~~desired property~~ ~~The desired property is written by the DataHub. Only if the desired property is written to "true", the service related data point are send~~	~~false~~

Data point list for this signal group

Data Point	Description	Data Type	Data Point Type	Availability SIEMENS	Availability Heidenhain	Availability FANUC	Availability MAPPS
production.activeProgram. currentExecutionState	The execution state of the machine tool	string	event	TBC	TBC	TBC	TBC
channels.channel[N]. singleStep	Indicates if single step modifier is activated	boolean	event	YES	YES UDI	TBC	TBC
channels.channel[N]. controllerMode	current controller mode of the channel	string	event	YES	YES UDI	TBD	TBD
systems. machineDataConnector. machineConnectionEstablish ed	information about the connection status of the machine	boolean	event	YES	YES	YES	YES
messaging.conditionRaised. <sourceId>_<number>	template for a raised alarm or warning	string	alarm	Yes	Yes	Yes	Yes
messaging.conditionCleared. <sourceId>_<number>	template for a cleared alarm or warning	string	alarm	Yes	Yes	Yes	Yes