Self (selene engine)

Main module representing selene gateway. It allows to register itself in cloud and send periodical heartbeats to it; load, register in cloud and start connected devices; obtain information about OS and installed hardware; perform periodical self-health checks; purge old telemetry from local DB.

Implementing class: `com.arrow.selene.device.self.SelfModule`

OS dependency: None

Requirements: None

Properties:

Name	Data type	Unit of measurement	Valid values	Default value	Description
iotConnectUrl	string	N/A	*<URL>*	N/D	Defines address of Kronos API server
iotConnectMqtt	string	N/A	*<URL>*	N/D	Defines address of MQTT server to be used to send telemetry and receive commands
iotConnectMqttVHost	string	N/A	N/A	N/D	Defines virtual MQTT host name to be used in building of unique MQTT user name
apiKey	string	N/A	N/A	N/D	Defines API key to encrypt/decrypt messages between cloud and gateway
secretKey	string	N/A	N/A	N/D	Defines secret key to encrypt/decrypt messages between cloud and gateway
heartBeatIntervalMs	long	milliseconds	0-9223372036854775807 (0x7fffffffffffffff)	10000	Defines interval of sending heartbeat messages from gateway to cloud
purgeTelemetryIntervalDays	Integer	days	0-2147483647 (0x7fffffff)	7	Defines interval of purging telemetry data from local DB
purgeMessagesIntervalDays	Integer	days	0-2147483647 (0x7fffffff)	7	Defines interval of purging log messages from local DB
sendGatewayErrors	boolean	N/A	true/false	false	Defines if gateway should send gateway's errors to cloud
sendDeviceErrors	boolean	N/A	true/false	false	Defines if gateway should send devices' errors to cloud
healthCheckIntervalMins	integer	minutes	0-2147483647 (0x7fffffff)	0	Defines interval of health check script executions
healthCheckScriptFilename	string	N/A	N/A	N/D	Defines name of script file to be used to check gateway health check
cloudTransferMode	string	N/A	SINGLE/BATCH/GZIP_BATCH	BATCH	Defines mode of telemetry sending: • `SINGLE` means sending each telemetry separately • `BATCH` means that engine accumulates telemetry in internal buffer and periodically sends accumulated data • `GZIP_BATCH` looks like `BATCH`, but accumulated telemetry are gzipped before sending
cloudBatchSendingIntervalMs	long	milliseconds	0-9223372036854775807 (0x7fffffffffffffff)	200	Defines interval of sending telemetry to cloud in case of `BATCH` or `GZIP_BATCH` modes
healthCheckTopic	string	N/A	N/A	local-healthCheck	Defines MQTT topic to be used to send health check telemetry Makes sense only in case if shared `sendTelemetryToLocalMQTT` property is set to `true`