

# Main engine properties

The properties below allows configuring engine behavior itself.

## Properties:

Name	Data type	Unit of measurement	Valid values	Default value	Description
selene.jdbcUrl	string	N/A	<URL>	N/D	Defines JDBC URL to be used to access local DB
selene.jdbcUser	string	N/A	N/A	N/D	Defines name of DB user to be used to access local DB
selene.jdbcPassword	string	N/A	N/A	N/D	Defines password of DB user to be used to access local DB
selene.fileDatabusDirectory	string	N/A	<path to directory>	./databus/	Defines path to directory containing databus underlying files. Makes sense only in case if selene.databus=file
selene.mqttDatabusUrl	string	N/A	<URL>	tcp://localhost:1883	Defines address of MQTT databus. Makes sense only in case if selene.databus=mqtt
selene.mqttDatabusUsername	string	N/A	N/A	N/D	Defines MQTT databus user name. Makes sense only in case if selene.databus=mqtt
selene.mqttDatabusPassword	string	N/A	N/A	N/D	Defines MQTT databus user password. Makes sense only in case if selene.databus=mqtt
selene.databusMaxBuffer	long	N/A	0-9223372036854775807 (0x7fffffffffffffff)	9223372036854775807 (0x7fffffffffffffff)	Defines maximum size of databus buffers. Buffers exceeding this value will be trimmed. Makes sense only in case if selene.databus=redis
selene.databusPeekInterval	long	milliseconds	0-9223372036854775807 (0x7fffffffffffffff)	1000	Defines interval between attempts to read data from databus. Makes sense only in case if selene.databus=file
selene.databus	string	N/A	file/rabbitmq/redis/mqtt	file	Defines type of databus to be used by engine
engine.redisHost	string	N/A	<hostname or IP address>	localhost	Defines address of Redis databus. Makes sense only in case if selene.databus=redis
engine.enabled	boolean	N/A	true/false	true	Enables or disables engine. Disabling engine will not be started
engine.deviceDirectory	string	N/A	<path to directory>	N/D	Defines path to directory containing property files of all devices to be handled by engine. Makes sense only in case if engine.moduleStrategy=PROPER and database is clean
engine.moduleStrategy	string	N/A	PROPERTIES/CLOUD/DATABASE	PROPERTIES	Defines strategy of loading devices: <ul style="list-style-type: none"><li>• PROPERTIES means that device configurations should be loaded from property files. (Ignored if databus already contains devices).</li><li>• DATABASE means that device configurations should be loaded from local DB.</li><li>• CLOUD means that device configurations should be acquired from cloud.</li></ul>
engine.downloadDirectory	string	N/A	<path to directory>	./download/	Defines directory to be used to download engine software and device firmware updates
engine.backupDirectory	string	N/A	<path to directory>	./backup/	Defines directory to be used to back up current engine software and device firmware if upgrade is requested

engine.configDirectory	string	N/A	<path to directory>	./config/	Defines directory containing external configuration files. Currently used to script files for engine restart and parse received data and extracting telemetry
engine.scriptingEngine	string	N/A	N/A	nashorn	Defines name of scripting engine to used to interpret telemetry-related scripts
engine.restartScriptFilename	string	N/A	<filename>	restart.sh	Defines name of script file to be used when engine restart is requested