5.6 – SNMP integration

Configuration in gateway.conf:

```
# Agent address and port
snmp.address.get-set = udp:192.168.1.68/1161
snmp.mib.prop.file = /SparkGateway/snmp/snmp-agent-mib.properties
snmp.table.size.limits.prop.file = /SparkGateway/snmp/snmp-agent-table-size-limits.properties

# Percentage of license usage to trigger alert
snmp.license.usage.warning.percentage = 0.5
```

The `snmp.address.get-set` specifies the IP address and port of the SNMP server (SNMP manager). UDP ports 161 and 162 are the default for SNMP requests and traps.

The `snmp.license.usage.warning.percentage` defines the license usage threshold at which a trap will be sent to the SNMP manager.

All MIB files are stored in the `installDir\snmp` directory, including:

- **gateway-alert-mib**
  Includes objects such as `gatewayStatus`, `sessionCount`, `totalLicense`, and `licenseUsed`.
- **gateway-info-mib**
  Contains `licenseAlert` and `attackAlert`.
- **gateway-mib**
  Combined file that includes all the objects from the previous two.

You can load these MIB files into the SNMP manager as needed.

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