

Troubleshoot IoT services: Cisco Spaces connector

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What are the metrics available on the Connector GUI for IoT Service (Wireless) ?

You can monitor these metrics on the connector GUI for the tile for IoT Service (Wireless).

Table 1: Monitor Metrics

Metrics Name	Metrics Description
Mac Address	MAC address of the IoT Service (Wireless) on the connector
IP Address	IP address of the IoT Service (Wireless) on the connector
Log Level	Logging level set for the IoT Service (Wireless)
Incoming gRPC rate	The number of gRPC Remote Procedure Calls (gRPC) events the connector receives each second.
Incoming TDL rate	The number of TDL (Telemetry Definition Language) events the connector receives each second.
Incoming TDL failed rate	The number of TDL events per second that fail to be processed by the connector.
Last five minutes Incoming gRPC rate	The average rate of incoming gRPC events for the past five minutes.
Last five minutes TDL rate	The average rate of incoming TDL events for the past five minutes.
Last five minutes TDL failed rate	The average rate of incoming TDL events that failed in the last five minutes.
Active gRPC connection count	The current count of active gRPC connections to the connector.

What are the log files created on the Connector for IoT Service (Wireless)?

These log files are located in the directory /opt/spaces-connector/runtime/logs/iot-services/.

Table 2: Log Files

Log File Name	Description
apgrpcchannel.log	Active log file recording data on BLE devices scanned by the application.
apgrpcchannel.log	This log file records the connection status of the Access Point's gRPC (gRPC Remote Procedure Calls) channel.
boot.log	This log file contains boot information such as CPU and memory details.
control-channel.log	This log file monitors the status of the control channel connection.
dnas_iox_app_manage.log	This log file pertains to the management of the IoX Application environment, including installation, uninstallation, and technical support actions.
filter.log	This log file is related to the filter configuration activities.
heartbeat.log	This log file captures heartbeat messages sent to the service manager.
highavailability.log	This log file details the status of high availability features.
metrics.log	This log file contains metric data formatted in JavaScript Object Notation (JSON).
netconf-service/server.log	This log file records operations related to Network Configuration Protocol (NETCONF).
nginx-access.log	This log file captures access records for NGINX.
nginx-error.log	This log file documents error messages related to NGINX.
server.log	This log file includes general messages and information.
status.log	This log file provides updates on the status of the system or service.