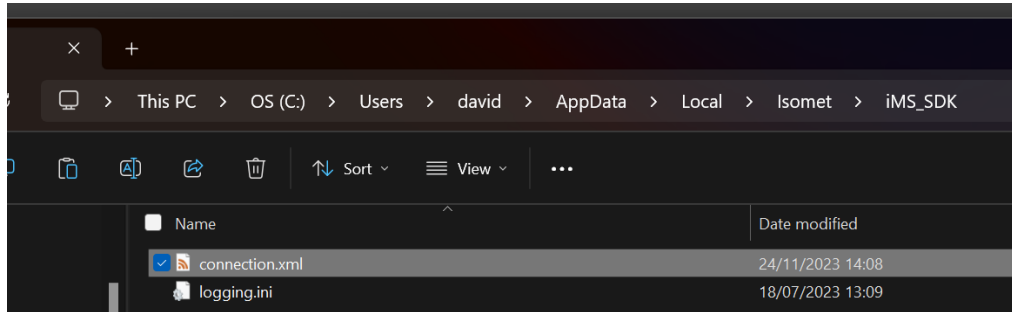


Configuring the Connection Scan

From SDK 1-8-10 onwards, a new feature has been added to configure the connection scan using a configuration file on the filesystem.

Find the SDK install folder e.g. `C:\Users\<username>\AppData\Local\Isomet\iMS_SDK`.

Find file: `connection.xml`



Editing it will allow the user to configure the default behaviour for the connection interfaces between user applications and the iMS system.

In particular, it is possible to disable the serial port connection interface - by default - for all applications, without having to explicitly disable it in user code.

To do so, change the "`scan`" parameter from `true` to `false` as shown below:

```
<connection>
  <modules>
    <module Name="CM_ETH">
      <send_timeout>500</send_timeout>
      <recv_timeout>5000</recv_timeout>
      <free_timeout>30000</free_timeout>
      <discover_timeout>2500</discover_timeout>
      <scan>true</scan>
    </module>
    <module Name="CM_SERIAL">
      <send_timeout>500</send_timeout>
      <recv_timeout>5000</recv_timeout>
      <free_timeout>30000</free_timeout>
      <discover_timeout>2500</discover_timeout>
      <scan>false</scan>
    </module>
    <module Name="CM_USBLITE">
      <send_timeout>500</send_timeout>
      <recv_timeout>5000</recv_timeout>
      <free_timeout>30000</free_timeout>
      <discover_timeout>2500</discover_timeout>
      <scan>true</scan>
    </module>
    <module Name="CM_USBSS">
      <send_timeout>100</send_timeout>
      <recv_timeout>5000</recv_timeout>
      <free_timeout>30000</free_timeout>
      <discover_timeout>2500</discover_timeout>
      <scan>true</scan>
    </module>
  </modules>
</connection>
```

This changes the default behaviour of all scans performed with the iMS library. Updating it in user code will override these settings. The timeouts can also be used to tune performance although these standard settings will work – these are conservative.

It is worth noting that this will affect all applications - including Isomet iMS Studio - so it is possible to disable Ethernet or USB to speed up the startup of Isomet iMS Studio if required (serial is always disabled in iMS Studio).