

TLS versions in Industrial HiVision (08.1.04, 08.2.00 and higher)

Christoph Strauss - 2022-03-31 - Industrial HiVision

Some older products still require the TLSv1 and 1.1 protocols to be enabled in order to access them using the web interface.

To disable the TLSv1 and 1.1 protocols in Industrial HiVision see the following instructions.

Applies to IHV 08.1.04, 08.2.00 or above.

Industrial HiVision services

Industrial HiVision changes that through an System property

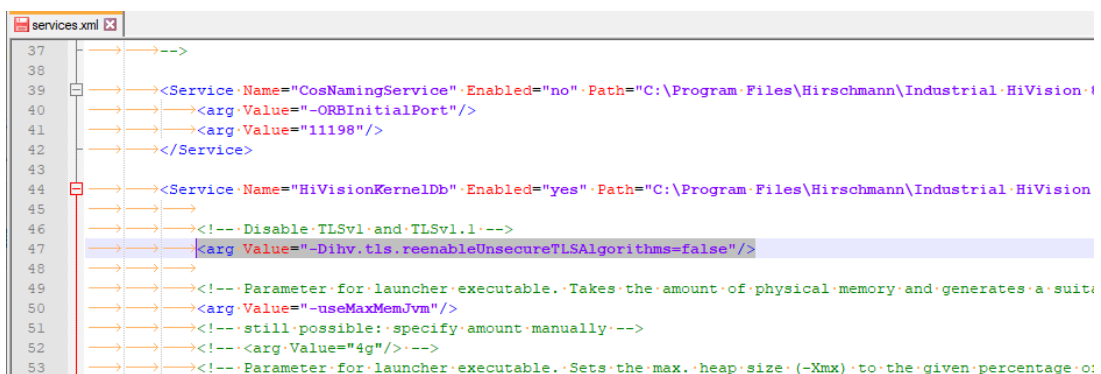
ihv.tls.reenableUnsecureTLSAlgorithms

As default protocols for client and server functionality: **TLSv1, TLSv1.1, TLSv1.2 and TLSv1.3**

The default is **true** if not set and enables: TLSv1 and TLSv1.1 as client and server protocols

To disable these TLS versions you can specify that property in the services.xml

```
"-Dihv.tls.reenableUnsecureTLSAlgorithms=false"/>
```



```

37 |         <!-->
38 |
39 |     <Service Name="CosNamingService" Enabled="no" Path="C:\Program Files\Hirschmann\Industrial HiVision\bin\cosnaming.jar"
40 |         <arg Value="-ORBInitialPort"/>
41 |         <arg Value="11198"/>
42 |     </Service>
43 |
44 |     <Service Name="HiVisionKernelDb" Enabled="yes" Path="C:\Program Files\Hirschmann\Industrial HiVision\bin\hivisionkerneldb.jar"
45 |         <!-- Disable TLSv1 and TLSv1.1 -->
46 |         <arg Value="-Dihv.tls.reenableUnsecureTLSAlgorithms=false"/>
47 |         <!-- Parameter for launcher.executable. Takes the amount of physical memory and generates a suitable JVM
48 |         <arg Value="-useMaxMemJvm"/>
49 |         <!-- still possible: specify amount manually -->
50 |         <!--> <arg Value="4g"/> <!-->
51 |         <!-- Parameter for launcher.executable. Sets the max. heap size (-Xmx) to the given percentage of
52 |         <!-->
53 |

```

Industrial HiVision GUI

To disable these TLS version you have to append following on the shortcuts Target

Typically when the Kernel (you want to connect to) is set to only allow TLSv1.2 / TLSv1.3 the GUI will be forced to use them, based on the server-client TLS negotiation.

`-Dihv.tls.reenableUnsecureTLSAlgorithms=false`

