

# [SAP Table|SAP Open Hub]Enable RFC Tracing

Last updated by | Veena Pachauri | Mar 8, 2023 at 11:23 PM PST

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## 201080- [SAP Table/SAP Open Hub]Enable RFC Tracing

Wednesday, October 23, 2019

16:05

SME																					
Symptoms	<p>Sometimes, we need to troubleshoot SAP connector related issue when copy SAP info from self-IR host, the hang dump/netmon trace/report id/event log could not help us identify the cause, then we need to enable the SAP trace below in order to move forward. In this case, it can help us check the traffic between SAP client and server side, then you can understand more detail info.</p> <p>You can use the IISpy to decompile the sap DLL to review the code according to the trace collected.</p>																				
Troubleshooting	<p><b>Action plan:</b> enable SAP .NET Connector 3.0 client trace</p> <ol style="list-style-type: none"><li>On your Self-hosted IR machine, prepare a folder to save client trace, e.g. <i>D:\Temp</i> . (Note: please make sure the IR service account has permission to write file here)</li><li>Stop your Self-hosted IR service.</li><li>Go to your Self-hosted IR installation folder <i>X:\...\Program Files\Microsoft Integration Runtime\4.0\Shared</i> and open two config files: <i>diawp.exe.config</i>, and <i>diahost.exe.config</i></li><li>For both config files, please add below sections: <pre>&lt;sectionGroup name="SAP.Middleware.Connector"&gt;   &lt;section name="GeneralSettings" type="SAP.Middleware.Connector.RfcGeneralConfiguration, sapnco, Version=3.0.0.42, Culture=neutral, PublicKeyToken=50436dca5c7f7d23" /&gt; &lt;/sectionGroup&gt;</pre> <pre>&lt;SAP.Middleware.Connector&gt;   &lt;GeneralSettings defaultTraceLevel="4" traceDir="D:\Temp" traceEncoding="UTF-8" traceType="PROCESS" /&gt; &lt;/SAP.Middleware.Connector&gt;</pre><ul style="list-style-type: none"><li>Default Trace Level needs to be set as 4</li><li>Trace dir needs to be the same as in step #1 .</li></ul><p>The position to add the two sections is like below:</p><pre>&lt;?xml version="1.0" encoding="utf-8"?&gt; &lt;configuration&gt;   &lt;configSections&gt;     &lt;section name="TransferRuntime" type="Microsoft.DataTransfer.ClientLibrary.TransferRuntimeConfigurationSection, Mic     &lt;section name="SourceDataSourceMappingSection" type="System.Configuration.NameValueSectionHandler" /&gt;     &lt;section name="DestinationDataSourceMappingSection" type="System.Configuration.NameValueSectionHandler" /&gt;     &lt;sectionGroup name="SAP.Middleware.Connector"&gt;       &lt;section name="GeneralSettings" type="SAP.Middleware.Connector.RfcGeneralConfiguration, sapnco, Version=3.0.0.42,     &lt;/sectionGroup&gt;   &lt;/configSections&gt;   &lt;SAP.Middleware.Connector&gt;     &lt;GeneralSettings defaultTraceLevel="4" traceDir="D:\Temp" traceEncoding="UTF-8" traceType="PROCESS" /&gt;   &lt;/SAP.Middleware.Connector&gt;   &lt;TransferRuntime&gt;     &lt;Factories /&gt;   &lt;/TransferRuntime&gt; &lt;/configuration&gt;</pre></li><li>Save both config files, and then start Self-hosted IR again.</li><li>Reproduce the issue by rerun a copy from SAP BW with slow perf</li><li>Upload all the files in <i>D:\Temp</i> to us.</li></ol> <div><div><div><div><div></div><div>This PC</div></div><div><div></div><div>New Volume (D:)</div></div><div><div></div><div>Temp</div></div></div><div><table><thead><tr><th>Name</th><th>Date modified</th><th>Type</th><th>Size</th></tr></thead><tbody><tr><td> dev_nco_rfc.log</td><td>10/23/2019 3:02 PM</td><td>Text Document</td><td>16 KB</td></tr><tr><td> nco_rfc_2564.trc</td><td>10/23/2019 2:54 PM</td><td>SQL Server Profiler - trace data file</td><td>1,334 KB</td></tr><tr><td> nco_rfc_13000.trc</td><td>10/23/2019 3:01 PM</td><td>SQL Server Profiler - trace data file</td><td>117 KB</td></tr><tr><td> nco_rfc_14496.trc</td><td>10/23/2019 3:02 PM</td><td>SQL Server Profiler - trace data file</td><td>200 KB</td></tr></tbody></table></div></div></div>	Name	Date modified	Type	Size	 dev_nco_rfc.log	10/23/2019 3:02 PM	Text Document	16 KB	 nco_rfc_2564.trc	10/23/2019 2:54 PM	SQL Server Profiler - trace data file	1,334 KB	 nco_rfc_13000.trc	10/23/2019 3:01 PM	SQL Server Profiler - trace data file	117 KB	 nco_rfc_14496.trc	10/23/2019 3:02 PM	SQL Server Profiler - trace data file	200 KB
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More Information	<p><a href="#">ILSpy Master 2.1.0.1603 RTW Binaries.zip</a></p> <p><a href="#">sapnco.zip</a></p> <p><a href="#">sapnco_utils.zip</a></p> <p>//please only use these two SAP assemblies for internal usage due to legal considerations. Thanks.</p>																				

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