

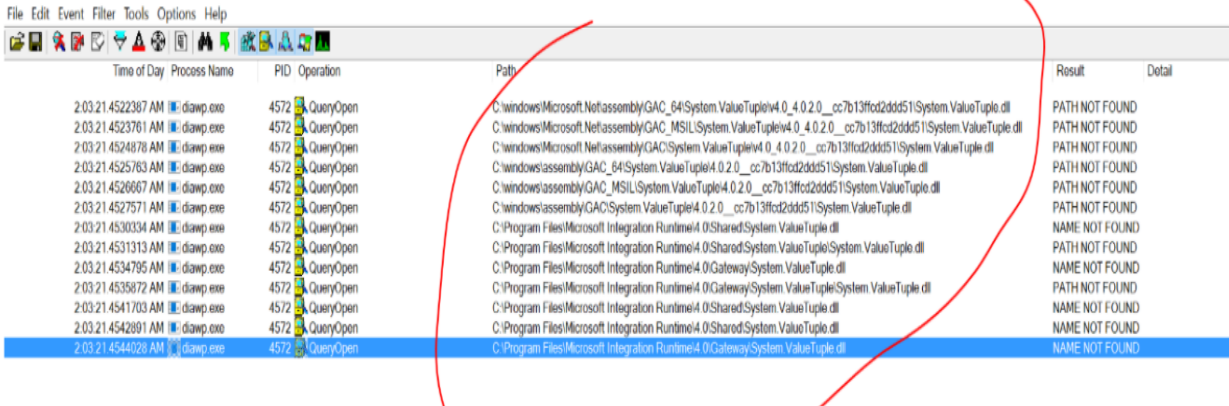
Self IR could not load file or assembly

Last updated by | Veena Pachauri | Mar 8, 2023 at 11:10 PM PST

Self-IR Could not load file or assembly

Friday, March 27, 2020

10:49 AM

SME	Brian Wang
Symptoms	<p>Could not load file or assembly 'XXXXXXXXXXXXXXXX, Version=4.0.2.0, Culture=neutral, PublicKeyToken=cc7b13ffcd2ddd51' or one of its dependencies. The system cannot find the file specified. Activity ID: 92693b45-b4bf-4fc8-89da-2d3dc56f27c3</p> <p>For example:</p> <p>Could not load file or assembly 'System.ValueTuple, Version=4.0.2.0, Culture=neutral, PublicKeyToken=cc7b13ffcd2ddd51' or one of its dependencies. The system cannot find the file specified. Activity ID: 92693b45-b4bf-4fc8-89da-2d3dc56f27c3</p>
Cause	<p>If you take process monitor, you can see:</p> <div></div> <p>Tip:</p> <p>You can set filter like below:</p>

Process Monitor - C:\Users\brianwan\Downloads\New folder\Logfile.PML

le Edit Event Filter Tools Options Help

Time of Day

Process Name

PID

Operation

Path

2.03.21.4522387 AM

diawp.exe

4572

QueryOpen

C:\windows\Microsoft.Net\assembly\GAC_64\System.ValueTuple\v4.0.4.0.2.0__cc7b13ffcd2ddd51\System.Va

2.03.21.4523761 AM

diawp.exe

4572

QueryOpen

C:\windows\Microsoft.Net\assembly\GAC_MSIL\System.ValueTuple\v4.0.4.0.2.0__cc7b13ffcd2ddd51\System

2.03.21.4524878 AM

diawp.exe

4572

QueryOpen

C:\windows\Microsoft.Net\assembly\GAC\System.ValueTuple\v4.0.4.0.2.0__cc7b13ffcd2ddd51\System.Value

2.03.21.4525763 AM

diawp.exe

4572

QueryOpen

C:\windows\assembly\GAC_64\System.ValueTuple\4.0.2.0__cc7b13ffcd2ddd51\System.ValueTuple.dll

2.03.21.4526667 AM

diawp.exe

4572

QueryOpen

C:\windows\assembly\GAC_MSIL\System.ValueTuple\4.0.2.0__cc7b13ffcd2ddd51\System.ValueTuple.dll

2.03.21.4527571 AM

diawp.exe

4572

QueryOpen

C:\windows\assembly\GAC\System.ValueTuple\4.0.2.0__cc7b13ffcd2ddd51\System.ValueTuple.dll

2.03.21.4530334 AM

2.03.21.4531313 AM

2.03.21.4534795 AM

2.03.21.4535872 AM

2.03.21.4541703 AM

2.03.21.4542891 AM

2.03.21.4544028 AM

Process Monitor Filter

Display entries matching these conditions:

Architecture is then Include

Reset Add Remove

Column

Relation

Value

Action

☒

Path

contains

System.ValueTuple.dll

Inclu

☒

Process Name

is

Procmon.exe

Exclu

☒

Process Name

is

Procexp.exe

Exclu

☒

Process Name

is

Autounfs.exe

Exclu

☒

Process Name

is

Procmon64.exe

Exclu

☒

Process Name

is

Procexp64.exe

Exclu

☒

Process Name

is

System

Exclu

☒

Operation

begins with

IRP_MJ_

Exclu

☒

Operation

begins with

FASTIO_

Exclu

☒

Result

begins with

FAST IO

Exclu

☒

Path

ends with

pagefile.sys

Exclu

☒

Path

ends with

\$Mft

Exclu

OK

Cancel

Apply

It can tell us the dll System.ValueTuple is not located at GAC related folder, and not in C:\Program Files\Microsoft Integration Runtime\4.0\Gateway or C:\Program Files\Microsoft Integration Runtime\4.0\Shared folder.

Basically, it will load the dll from GAC folder first, then Shared and finally to gateway folder, therefore, you can put the dll to any path which can be helpful.

Resolution	Copy the DLL System.ValueTuple.dll to C:\Program Files\Microsoft Integration Runtime\4.0\Gateway. We found the DLL System.ValueTuple.dll located at C:\Program Files\Microsoft Integration Runtime\4.0\Gateway\DataScan folder.
More Information	<p>The reason why you see under %windir%\Microsoft.NET\assembly And %windir%\assembly which is the .net behavior, when the program running, it has compile time and runtime stage, during the runtime, it will load the assembly dependence from GAC as well as your code should have using namespace in your .net code, from the error below, you can clearly see the assembly 'System.ValueTuple' is not there which means the application tried to check assembly 'System.ValueTuple.Dll' which is not there and caused such issue.</p> <pre><LogProperties><ErrorInfo>[{"Code":0,"Message":"The type initializer for 'Npgsql.PoolManager' threw an exception.","EventType":0,"Category":5,"Data":{"MsgId":null,"ExceptionType":"System.TypeInitializationException","Source":"Npgsql","StackTrace":"","InnerEventInfos":[{"Code":0,"Message":"Could not load file or assembly 'System.ValueTuple, Version=4.0.2.0, Culture=neutral, PublicKeyToken=cc7b13ffcd2ddd51' or one of its dependencies. The system cannot find the file specified.","EventType":0,"Category":5,"Data":{"MsgId":null,"ExceptionType":"System.IO.FileNotFoundException","Source":"Npgsql","StackTrace":"","InnerEventInfos":{}}]}]</ErrorInfo></LogProperties></pre> <p>About GAC, please refer to below in more detail. https://docs.microsoft.com/en-us/dotnet/framework/app-domains/gac</p> <p>ICM: https://icm.ad.msft.net/imp/v3/incidents/details/178702216/home</p>
Follow up	I have reviewed the code and suggested PG to update the package below by including the missing dll to gateway folder in order to prevent similar issues happening in the future.

	<pre>/.build/Local/CBTModules/packages.config <!-- For Gateway--> <package id="Microsoft.Data.Mashup.Preview.X64" version="2.56.5023.581" /> <package id="Microsoft.Data.Mashup.Preview.X86" version="2.56.5023.581" /> <package id="Microsoft.Data.Mashup.Upgrade.X64" version="2.56.5023.581" /> <package id="Microsoft</pre>
Tags	

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