

How to Resolve - The SAS DIP Job Runner Services Not Running

If you find in your local SAS Services listing that the SAS DIP Job Runner service is not running and when start is attempting right away errors as

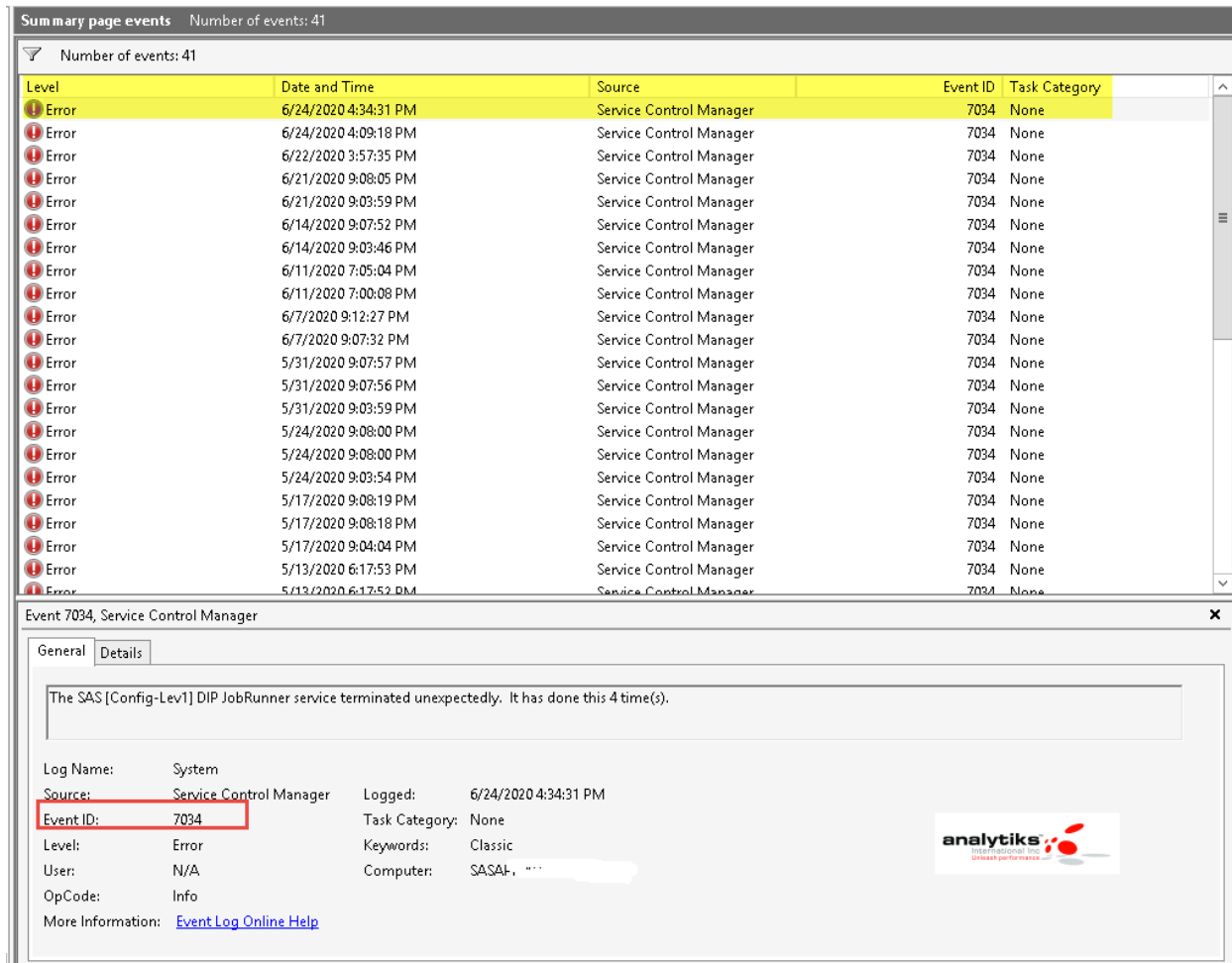
	SAS [Config-Lv1] Cache Locator on port 41415	Cache Loca...	Running	Automatic	Local Syste...
	SAS [Config-Lv1] Deployment Tester Server	SAS Deploy...		Manual	Local Service
	SAS [Config-Lv1] DIP JobRunner	SAS [Config...		Automatic	Local Syste...
	SAS [Config-Lv1] httpd - WebServer	Apache/2.2....	Running	Automatic	Local Syste...
	SAS [Config-Lv1] JMS Broker on port 61616	JMS Broker ...	Running	Automatic	Local Syste...
	SAS [Config-Lv1] Object Spawner	Object Spa...	Running	Automatic	novant\sas...
	SAS [Config-Lv1] Remote Services	SAS Remote...		Manual	Local Syste...
	SAS [Config-Lv1] SAS Environment Manager	SAS Environ...	Running	Automatic	Local Syste...
	SAS [Config-Lv1] SAS Environment Manager Agent	SAS Environ...	Running	Automatic	Local Syste...
	SAS [Config-Lv1] SASMeta - Metadata Server	SASMeta - ...	Running	Automatic	Local Syste...
	SAS [Config-Lv1] SASServer1_1 - WebAppServer	SASServer1_...	Running	Automatic	Local Syste...
	SAS [Config-Lv1] SASServer11_1 - WebAppServer	SASServer11...	Running	Automatic	Local Syste...
	SAS [Config-Lv1] SASServer2_1 - WebAppServer	SASServer2_...	Running	Autc	yste...
	SAS [Config-Lv1] Web Infrastructure Platform Data Ser...	Web Infrastr...	Running	Autc	yste...
	SAS Deployment Agent	SAS Deploy...	Running	Automatic	Local Syste...

The WIN event viewer throws a 7034 error

Level	Date and Time	Source	Event ID	Task Category
Error	6/24/2020 4:34:31 PM	Service Control Manager	7034	None
Error	6/24/2020 4:09:18 PM	Service Control Manager	7034	None
Error	6/22/2020 3:57:35 PM	Service Control Manager	7034	None
Error	6/21/2020 9:08:05 PM	Service Control Manager	7034	None

Furthermore, details in event viewer show

V



Level	Date and Time	Source	Event ID	Task Category
Error	6/24/2020 4:34:31 PM	Service Control Manager	7034	None
Error	6/24/2020 4:09:18 PM	Service Control Manager	7034	None
Error	6/22/2020 3:57:35 PM	Service Control Manager	7034	None
Error	6/21/2020 9:08:05 PM	Service Control Manager	7034	None
Error	6/21/2020 9:08:59 PM	Service Control Manager	7034	None
Error	6/14/2020 9:07:52 PM	Service Control Manager	7034	None
Error	6/14/2020 9:03:46 PM	Service Control Manager	7034	None
Error	6/11/2020 7:05:04 PM	Service Control Manager	7034	None
Error	6/11/2020 7:00:08 PM	Service Control Manager	7034	None
Error	6/7/2020 9:12:27 PM	Service Control Manager	7034	None
Error	6/7/2020 9:07:32 PM	Service Control Manager	7034	None
Error	5/31/2020 9:07:57 PM	Service Control Manager	7034	None
Error	5/31/2020 9:07:56 PM	Service Control Manager	7034	None
Error	5/31/2020 9:03:59 PM	Service Control Manager	7034	None
Error	5/24/2020 9:08:00 PM	Service Control Manager	7034	None
Error	5/24/2020 9:08:00 PM	Service Control Manager	7034	None
Error	5/24/2020 9:03:54 PM	Service Control Manager	7034	None
Error	5/17/2020 9:08:19 PM	Service Control Manager	7034	None
Error	5/17/2020 9:08:18 PM	Service Control Manager	7034	None
Error	5/17/2020 9:04:04 PM	Service Control Manager	7034	None
Error	5/13/2020 6:17:53 PM	Service Control Manager	7034	None
Error	5/13/2020 6:17:52 PM	Service Control Manager	7034	None


Event 7034, Service Control Manager

General Details

The SAS [Config-Lv1] DIP JobRunner service terminated unexpectedly. It has done this 4 time(s).

Log Name: System
Source: Service Control Manager
Event ID: 7034
Level: Error
User: N/A
OpCode: Info
More Information: [Event Log Online Help](#)

Logged: 6/24/2020 4:34:31 PM
Task Category: None
Keywords: Classic
Computer: SASAH-...



The logs at

<SAS CONFIG>\Config\Lev1\Web\Applications\SASWIPschedulingServices9.4\dip\serviceLog\DIPJobRunnerService.log

Show

```
Unable to execute Java command. The system cannot find the file specified. (0x2)  
"bin\java.exe" -Djava.system.class.loader=com.sas.app.AppClassLoader -
```

Or the DIPJobRunner_<hostname>.log at <SAS

CONFIG>\Config\Lev1\Web\Applications\SASWIPschedulingServices9.4\dip show

```
FATAL | wrapper | 2020/06/24 16:09:18 | Unable to execute Java command. The system cannot find the file specified. (0x2)  
FATAL | wrapper | 2020/06/24 16:09:18 | "bin\java.exe" -Djava.system.class.loader=com.sas.app.AppClassLoader -Dsas.app.repository.path="d:
```

Resolution


Navigate to SASHome\wrapper.conf and check the Java Application path (shown below)

```
File Edit Format View Help
# Java Application
wrapper.java.command=\bin\java.exe

# Java Classpath (include wrapper.jar) Add class path elements as
# needed starting from 1
wrapper.java.classpath.1=d:\Program Files\SASHome\SASVersionedJarRepository\eclipse\plugins
\JavaServiceWrapper_3.2.3\wrapper.jar
wrapper.java.classpath.2=d:\Program Files\SASHome\SASVersionedJarRepository\eclipse\plugins
\sas.launcher.jar

# Java Additional Parameters
wrapper.java.additional.1=-Djava.system.class.loader=com.sas.app.AppClassLoader
wrapper.java.additional.2=-Dsas.app.repository.path="d:\Program Files\SASHome
\SASVersionedJarRepository\eclipse"
```

D:\Program Files
SASHome
wrapper.conf





Replace the path with the SAS Private JRE path to java.exe as shown below, save the wrapper.conf and re-start the DIP Job Runner service

```
File Edit Format View Help
# Java Application
#wrapper.java.command=\bin\java.exe
wrapper.java.command=d:\Program Files\SASHome\SASPrivateJavaRuntimeEnvironment\9.4\jre\bin\java.exe

# Java Classpath (include wrapper.jar) Add class path elements as
# needed starting from 1
wrapper.java.classpath.1=d:\Program Files\SASHome\SASVersionedJarRepository\eclipse\plugins
\JavaServiceWrapper_3.2.3\wrapper.jar
wrapper.java.classpath.2=d:\Program Files\SASHome\SASVersionedJarRepository\eclipse\plugins\sas.launcher.jar

# Java Additional Parameters
wrapper.java.additional.1=-Djava.system.class.loader=com.sas.app.AppClassLoader
wrapper.java.additional.2=-Dsas.app.repository.path="d:\Program Files\SASHome\SASVersionedJarRepository\eclipse"
```



Name	Description	Status	Startup Type
RPC Endpoint Mapper	Resolves RP...	Running	Automatic
SAS [Config-Lev1] Cache Locator on port 41415	Cache Loca...	Running	Automatic
SAS [Config-Lev1] Deployment Tester Server	SAS Deploy...		Manual
SAS [Config-Lev1] DIP JobRunner	SAS [Config...	Running	Automatic
SAS [Config-Lev1] httpd - WebServer	Apache/2.2....	Running	Automatic
SAS [Config-Lev1] JMS Broker on port 61616	JMS Broker ...	Running	Automatic
SAS [Config-Lev1] Object Spawner	Object Spa...	Running	 Automatic
SAS [Config-Lev1] Remote Services	SAS Remote...		Manual