

Module 6

Advanced Features:
Runtime as a Service

Overview

Overview

- Headless Runtime execution
- No graphical representation on Workstation
- Run Background Workflows
- Use for:
 - API-only control of Runtime
 - Building automation
 - Run processes without Workstation operator interaction

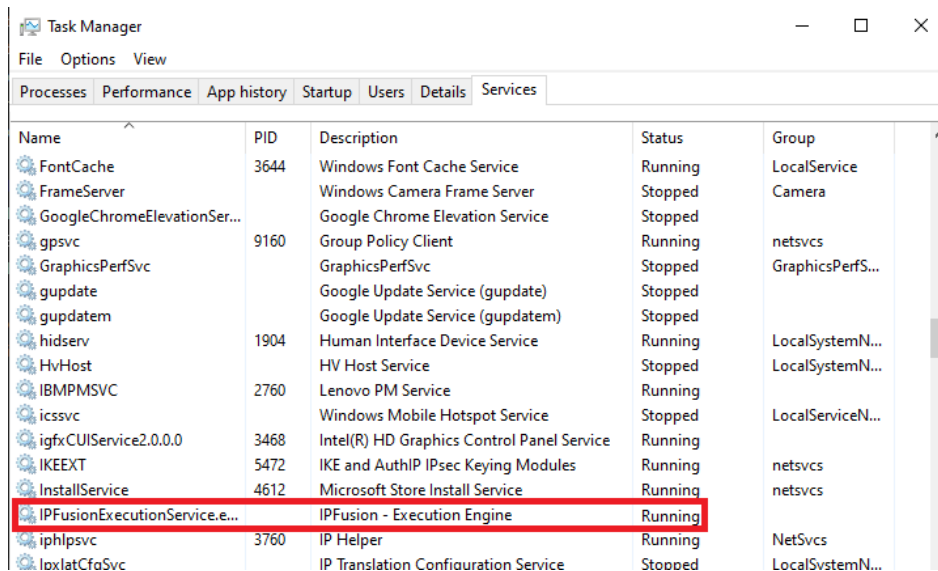
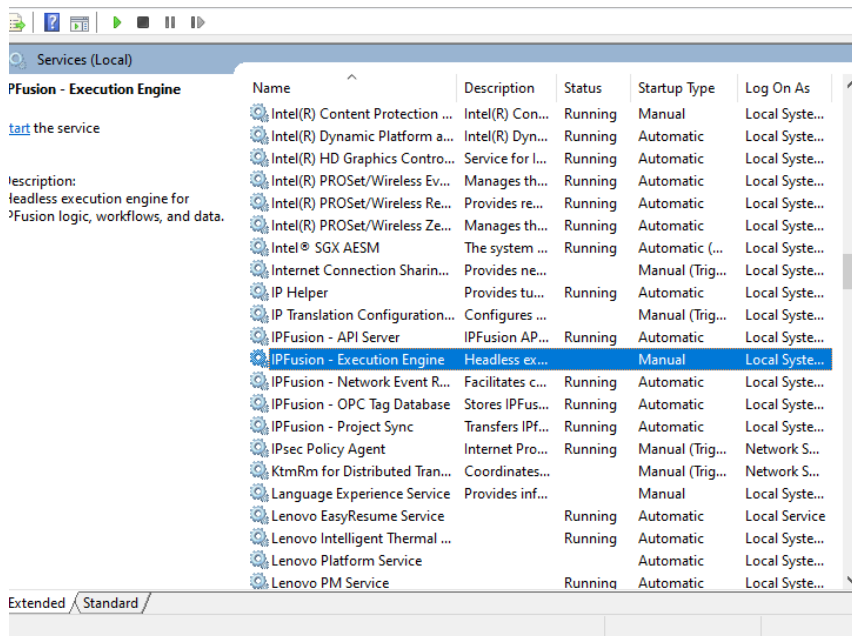


Setup



Setting up Runtime as a Service

1. In Windows, navigate to **Services**
2. Start the **IPFusion – Execution Engine** service.
 - Note: To start with Windows startup, right-click the service and select **Properties**. Set the **Startup type** to **Automatic (Delayed Start)**.
3. Open **Task Manager** to confirm the service is running.



Troubleshooting

Troubleshooting

- Check the Windows event logs for errors.
- Logs contain information as to why it was unable to start.

Troubleshooting Error — Example

The screenshot shows the Windows Event Viewer application. The left pane displays the tree view with 'Application' selected under 'Windows Logs'. The main pane shows a list of events, with the following error event highlighted:

Level	Date and Time	Source	Event ID	Task Ca...
Information	2019-11-22 10:57:26 AM	Windo...	1001	None
Error	2019-11-22 10:57:24 AM	Applic...	1000 (100)	
Error	2019-11-22 10:57:24 AM	.NET R...	1026	None
Error	2019-11-22 10:57:24 AM	IPFusio...	0	None
Information	2019-11-22 10:56:42 AM	NVWMI	3 (1)	
Information	2019-11-22 10:55:52 AM	Securit...	16384	None
Information	2019-11-22 10:55:22 AM	Securit...	1003	None
Information	2019-11-22 10:55:22 AM	Securit...	1003	None
Information	2019-11-22 10:55:21 AM	Securit...	16394	None
Information	2019-11-22 10:54:11 AM	NVWMI	3 (1)	
Information	2019-11-22 10:50:01 AM	NVWMI	3 (1)	
Information	2019-11-22 10:50:01 AM	NVWMI	3 (1)	
Information	2019-11-22 10:49:03 AM	Restart...	10005	None
Warning	2019-11-22 10:49:03 AM	Restart...	10010	None
Warning	2019-11-22 10:49:03 AM	Restart...	10010	None
Information	2019-11-22 10:49:03 AM	Restart...	10000	None
Information	2019-11-22 10:49:02 AM	Restart...	10000	None
Information	2019-11-22 10:47:11 AM	VSS	8224	None
Information	2019-11-22 10:44:34 AM	Securit...	15	None
Information	2019-11-22 10:43:58 AM	Restart...	10005	None
Warning	2019-11-22 10:43:58 AM	Restart...	10010	None

The 'Event 0, IPFusion - ExecutionService' details pane shows the following information:

General | Details

Unable to start Execution Engine: Error loading project file Example
The IPFusion project files were saved with a newer version of Designer and cannot be opened. Please upgrade to at least version: 2.22

Log Name: Application
Source: IPFusion - ExecutionService | Logged: 2019-11-22 10:57:24 AM
Event ID: 0 | Task Category: None
Level: Error | Keywords: Classic
User: N/A | Computer: Technology25.delcoautomation.com
OpCode:
More Information: [Event Log Online Help](#)

The right pane shows the 'Actions' menu with options like 'Open Saved Log...', 'Create Custom View...', 'Filter Current Log...', 'Properties', 'Find...', 'Save All Events As...', 'Attach a Task To This Log...', 'View', 'Refresh', 'Help', 'Event Properties', 'Attach Task To This Event...', 'Copy', 'Save Selected Events...', 'Refresh', and 'Help'.

Using Runtime as a Service



Using Runtime as a Service

- Runs Background Workflows
- Handles API requests
- Publication process:
 - Determines if Execution Manager needs to be restarted
 - End user does not need to complete extra steps for publication
- Note: Only the graphical Runtime or the service can be active at once. They can not be run at the same time.

Module 6 Complete
