

[GATEWAY-WIKI]: How to change the Spooler (Cache) directory for the gateway

Last updated by | Tim Macaulay | Mar 25, 2020 at 9:38 PM EDT

PRODUCTS INVOLVED

- Microsoft On-Premises Data Gateway
 - Cache Files

PROBLEM AND/OR QUESTION RECEIVED

- How can one change the location cache files?

NOTE When one thinks of a cache file, one thinks of a cache file. This cache file is a temporary file. In Power BI and the On-Premises Data Gateway, cache files are created in the communication between the On-Premises Environment and the Cloud. This process is known as Spooling.

NOTE Knowledge of the Spooling Process, will also help to work issues pertaining to where the disk is full because of the Spooler.

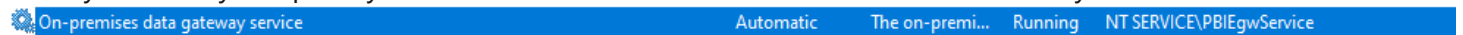
RESOLUTION STEPS

1. Navigate to `**C:\Program Files\On-premises data gateway**`
2. Make a backup copy of the following config file: `**Microsoft.PowerBI.DataMovement.Pipeline.GatewayCore.dll.`
3. Edit the config file: `Microsoft.PowerBI.DataMovement.Pipeline.GatewayCore.dll.config`
4. Search for `**SpoolerDirectory**`

```
<setting name="SpoolerDirectory" serializeAs="String">  
  <value>%LOCALAPPDATA%\Microsoft\On-premises data gateway\Spooler</value>  
</setting>
```

5. This Value Tag holds the value to the SpoolerDirectory.
6. You can now modify this path to be a path that fits the business.
7. Once modified, save the file and restart the Data Gateway.

NOTE If you modify the path, you will need to restart the On-Premises Data Gateway Service



INFORMATION

- On-Premises Data Gateway Architecture: <https://docs.microsoft.com/en-us/data-integration/gateway/service-gat>

In step 6, queries like Power BI refreshes and Azure Analysis Services refreshes can return large amounts of data. For such queries, data is temporarily stored on the gateway machine. This data storage continues until all data is received from the data source. The data is then sent back to the cloud service. This process is called spooling. We recommend you use a solid-state drive (SSD) as the spooling storage.

ADDITIONAL INFORMATION - RESOURCES - LINKS

- **How to check for the location of the Spooler Directory:**

[https://dev.azure.com/Supportability/Power%20BI/_wiki/wikis/Wiki/274954/GATEWAY-WIKI-How-to-check-the-spooler-\(Cached-File\)-location](https://dev.azure.com/Supportability/Power%20BI/_wiki/wikis/Wiki/274954/GATEWAY-WIKI-How-to-check-the-spooler-(Cached-File)-location)

pbitimmac #pbiGatewayResources #pbiConfig #pbiSpooler