Stratum Service
Stratum.Viewer 7

Getting Started

- [Introduction to Stratum Service](#)

Tasks

- [Change Wait Time For Service](#)
- [Change Program Name Details For Service](#)
- [Change User Account, Startup, Or Other Properties For Service](#)

Additional Information

Windows

- [About Stratum Window](#)
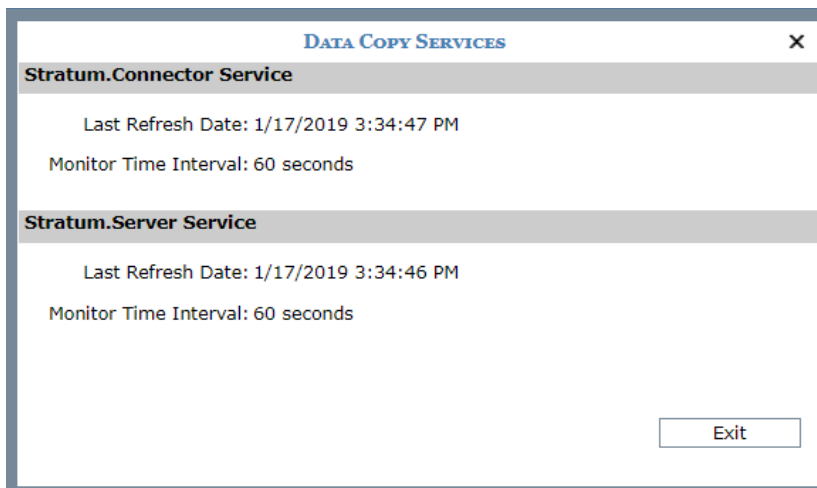- [Stratum.Service Configuration Manager](#)

Advanced Concepts

- [Check Status Of Data Copy Services](#)
- [Parameter For Troubleshooting](#)
- [User Account Requirements For Service](#)

Getting Started

Introduction to Stratum Service

Stratum Service is a service that supports Data Copy functionality. Two instances of the Service are used – one for running a Stratum.Connector program and another instance for running a Stratum.Server program. At regular intervals, these services kick off the program on their applicable servers for processing Data Copies.

Note: Data Copy functionality also requires a Stratum Analyst Hub license and is available only for Stratum.Viewer and Connector implementations where Stratum.Server is running on a Windows server. It is not available for implementations running Stratum.Server on an IBM i Server. See the Data Copy section of online help for more information about Data Copy functionality.

DATA COPY SERVICES ✕

Stratum.Connector Service

Last Refresh Date: 1/17/2019 3:34:47 PM

Monitor Time Interval: 60 seconds

Stratum.Server Service

Last Refresh Date: 1/17/2019 3:34:46 PM

Monitor Time Interval: 60 seconds
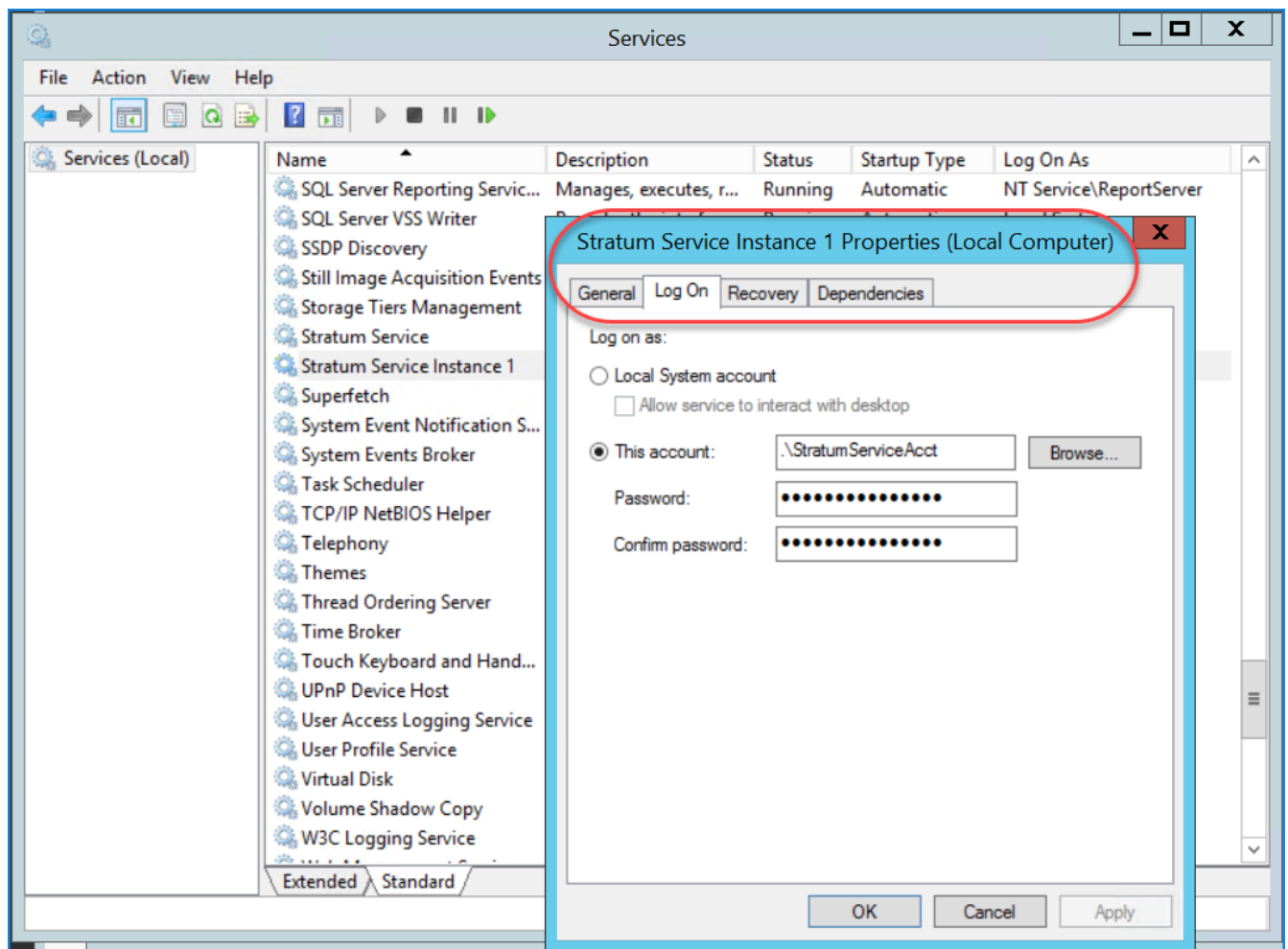
Exit

Tasks

Change Wait Time For Service

1. In the directory where the instance of Stratum Service was installed, run the console application named Silvon.StratumService.Configuration.

2. Change the value in the Wait Time Internal (milliseconds) field of the Stratum.Service Configuration Manager.

   - The value specified is in milliseconds.

   - The default is 60000, which is 1 minute.

3. Click OK.

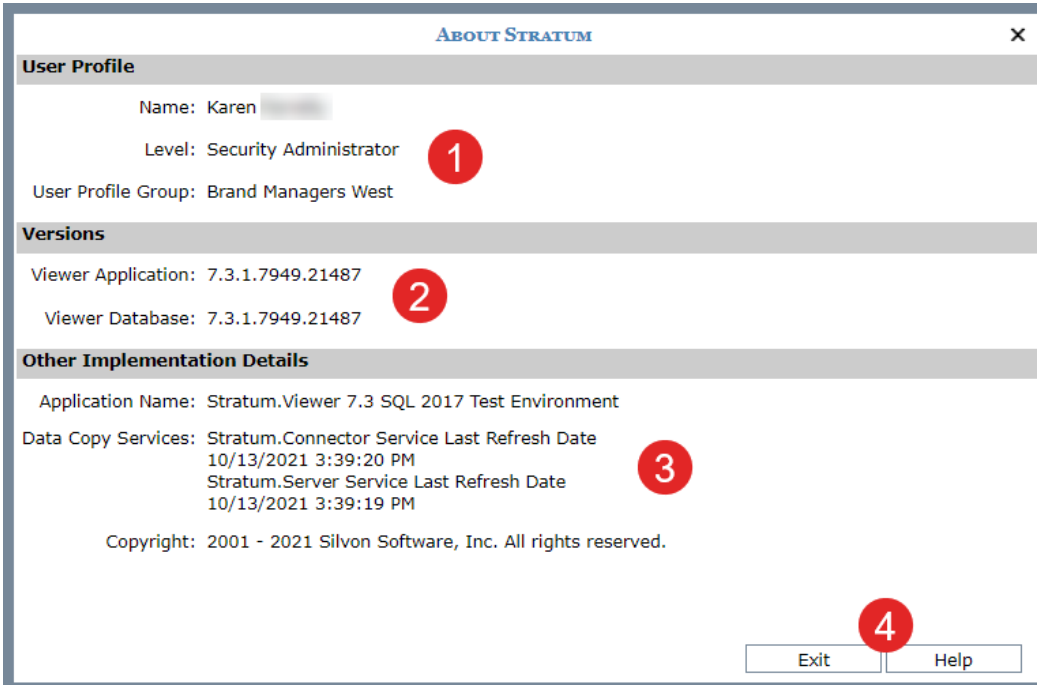4. Restart the service.

Change Program Name Details For Service

1. In the directory where the instance of Stratum Service was installed, run the console application named Silvon.StratumService.Configuration.

2. Change the details in the Program Name field of the Stratum.Service Configuration Manager.

   - The field needs to specify the full path of the program that gets kicked off by Stratum Service and the name of the program.

   - For Stratum.Server, the program executed by the Service is GICMDCTL.EXE (aka, the Stratum.Server Command Control Program) that's located in the Stratum.Server program folder (possibly DTPROD30). Example: C:\SILVON\SERVER\DTPROD30\GICMDCTL.EXE.

   - For Stratum.Connector, the program executed by the Service is Silvon.Connector.DataCopyProcess.exe (aka, the Stratum.Connector Data Copy Process Program) in the Stratum.Connector main product directory. Example: C:\Program Files\Silvon Software\Stratum.Connector for Viewer\Silvon.Connector.DataCopyProcess.exe.

3. Click OK.

4. Restart the service.

Change User Account, Startup, Or Other Properties For Service

1. On the server where the instance of Stratum Service is installed, open the properties for the Service. Go to Administrative Tools, then Services, and then double-click on the instance of Stratum Service.

2. Use the applicable tabs and properties to make changes to properties such as the user used by the Service or startup properties. Note, if you change the user specified for the Service, make sure the user meets all the requirements specified in User Requirements For Service.

3. Click OK in the Properties window.

4. Restart the service from the Services window. Right-click on the Stratum Service instance and select Restart from the menu.

About Stratum Window

①	**User Profile** - Displays the name of the user associated with the user profile, their level of access in the application, and the user group to which they belong.
②	**Versions -** Displays the version details for the main Stratum.Viewer application and its SQL Server database.
③	**Other Implementation Details** – Displays the name assigned to your main Stratum.Viewer application (controlled in the Application window by administrators), copyright information, and some details about Data Copy Services for your implementation. Each service shows the date it was last refreshed, which tells you when it was last used by the Data Copy feature. See the Stratum Service section of help for more details about services. If a service has not been configured yet or never been used, a status of "Never started." shows as its last refresh date. If there is an issue with security such as authority to connect to applicable Stratum data, a status of "Not available." shows as the service's last refresh date. In those cases, contact your Stratum Administrator for assistance.
④	**Exit / Help –** Close the window using the Exit button. Access Stratum.Viewer help using the Help button.

Stratum.Service Configuration Manager
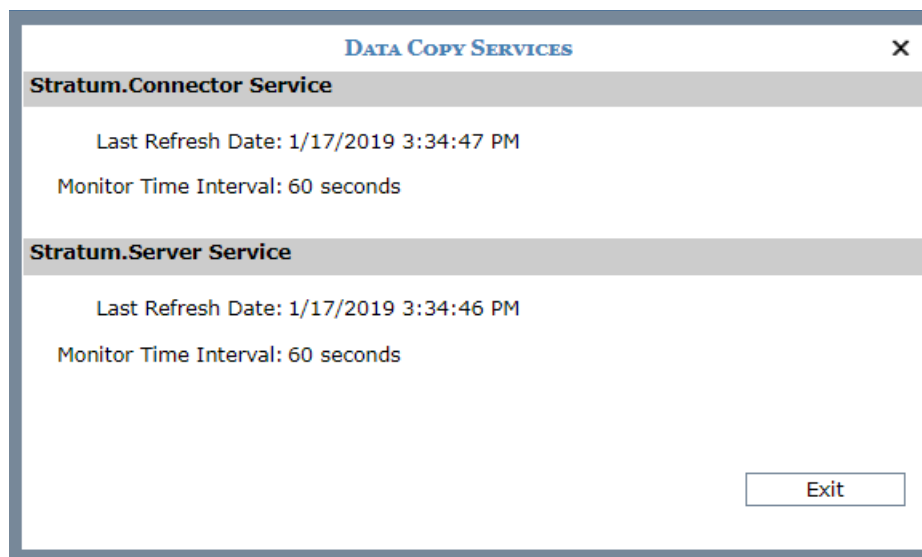

①	**Wait Time Interval (milliseconds)** – This property controls how often Stratum Service kicks off the applicable program (the program noted in the Program name field). Values in this field are treated as milliseconds. The default is 60000, which is 1 minute.
②	**Program Name** – This property specifies the program that gets kicked off by Stratum Service. The full path to the program and its name need to be specified in this field, which is initially specified at the time the Service is installed. • For Stratum.Server, the program executed by the Service is GICMDCTL.EXE (aka, the Stratum.Server Command Control Program) that's located in the Stratum.Server program folder (possibly DTPROD30). Example: C:\SILVON\SERVER\DTPROD30\GICMDCTL.EXE. • For Stratum.Connector, the program executed by the Service is Silvon.Connector.DataCopyProcess.exe (aka, the Stratum.Connector Data Copy Process Program) in the Stratum.Connector main product directory. Example: C:\Program Files\Silvon Software\Stratum.Connector for Viewer\Silvon.Connector.DataCopyProcess.exe. **See also:** Parameter For Troubleshooting.

Check Status Of Data Copy Services

There are two server-side services that support Data Copy functionality. The services initiate programs related to the processing of Data Copies. To see the status of those services, including how often they are scheduled to run and the last time they ran, follow the steps below. For more information about these services, see the Stratum Service section of the online help.

1. Click Analyst Tools then Data Copy from the main menu in the top panel of Stratum.

2. In the Data Copy list window, click Information About Data Copy Services ⓘ then view details in the Data Copy Services window.

Note: If a service has not been configured yet or never been used, a status of "Never started." shows as its last refresh date. If there is an issue with security such as authority to connect to applicable Stratum data, a status of "Not available." shows as the service's last refresh date. In those cases, contact your Stratum Administrator for assistance.
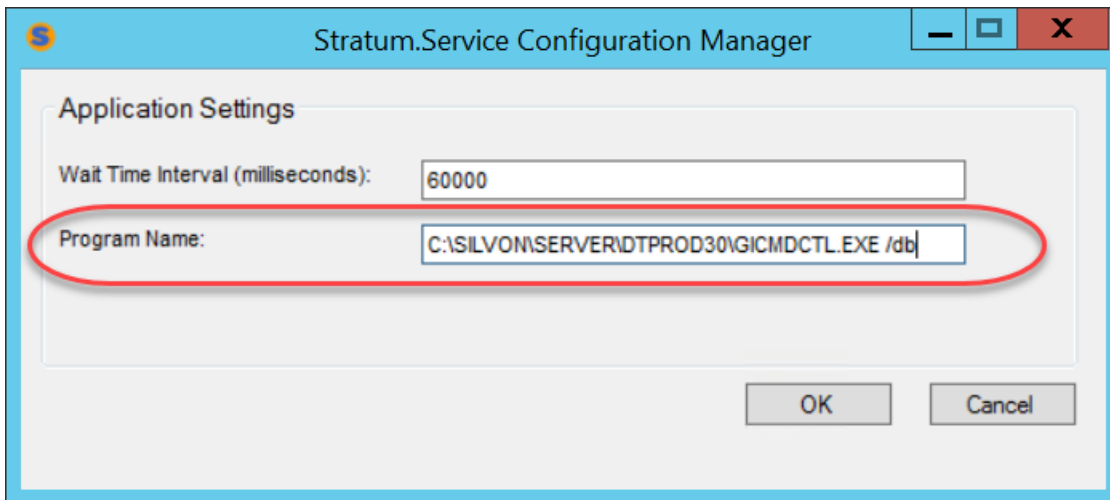

OR

1. Click About Stratum from the main menu in the top panel of Stratum.

2. When the About Stratum window opens, look at the Other Implementation Details section and its Data Copy Services properties. That section shows the last refresh date for each service.

Parameter For Troubleshooting

If an instance of Stratum Service you installed has issues, you may be asked to add parameters to the program used by the service. This is done by opening the configuration manager for that service from the directory where you installed the service. Then, adding the appropriate parameter (see below) to its Program Name field. The parameter can capture helpful information for use in troubleshooting issues when the service runs. Remember to restart the service after making this change. See also the topic Change Program Name Details For Service.
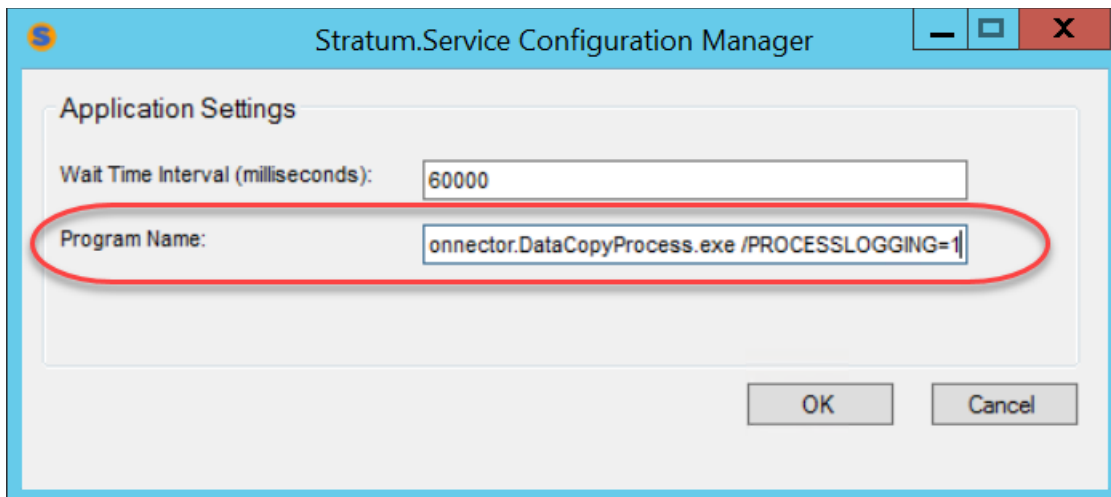
- **Stratum.Server's Instance of Stratum Service** - add the debug parameter to the end of the path specified for the Program Name. Include a space before the parameter. Here's an example of adding the debug parameter to the path for GICMDCTL.EXE:

  C:\SILVON\SERVER\DTPROD30\GICMDCTL.EXE /db

- **Stratum.Connector's Instance of Stratum Service** - add the process logging parameter to the end of the path specified for the Program Name. Include a space before the parameter. Here's an example of adding the process logging parameter to the path for Silvon.Connector.DataCopyProcess.exe:

  C:\Program Files\Silvon Software\Stratum.Connector for Viewer\Silvon.Connector.DataCopyProcess.exe /PROCESSLOGGING=1
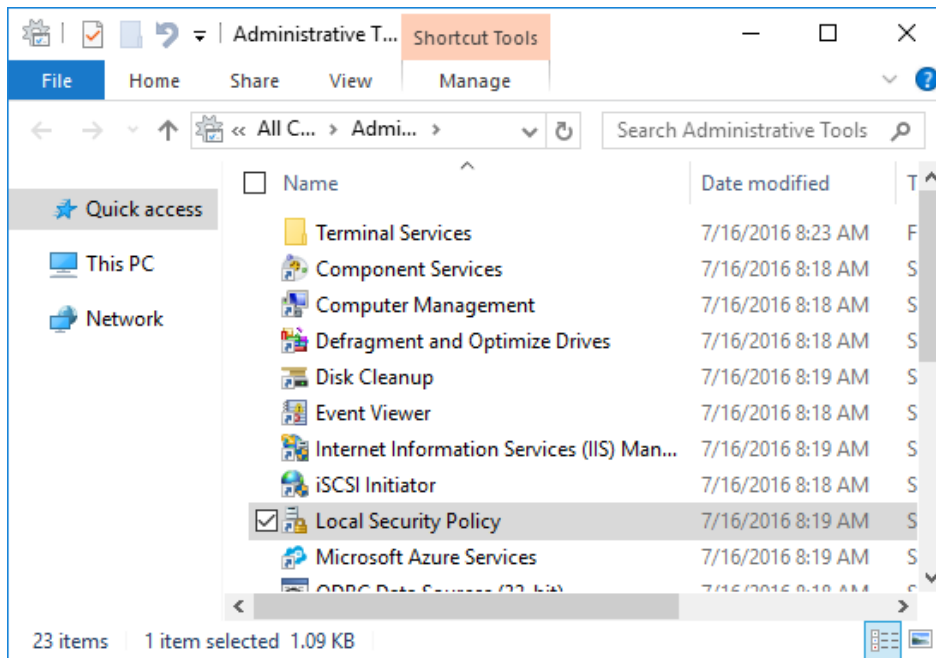
User Account Requirements For Service

Stratum Service utilizes a Windows User account when running programs. If you change the user for a Service at any point, make sure the user specified meets the following requirements.

- For the instance of the Service that runs a Stratum.Server program, the user must have all privileges a Stratum.Server processing user has, have the Windows rights to "Log on as a service" (see next section), and be a Windows Administrator of the server where the Stratum Service will run.

- For the instance of the Service that runs a Stratum.Connector program, the user must have all privileges that a Stratum.Connector user requires (i.e., access to the Server, Connector, Viewer, and Analysis Services databases), have the Windows rights to "Log on as a service" (see next section), and be a Windows Administrator of the server where the Stratum Service will run.
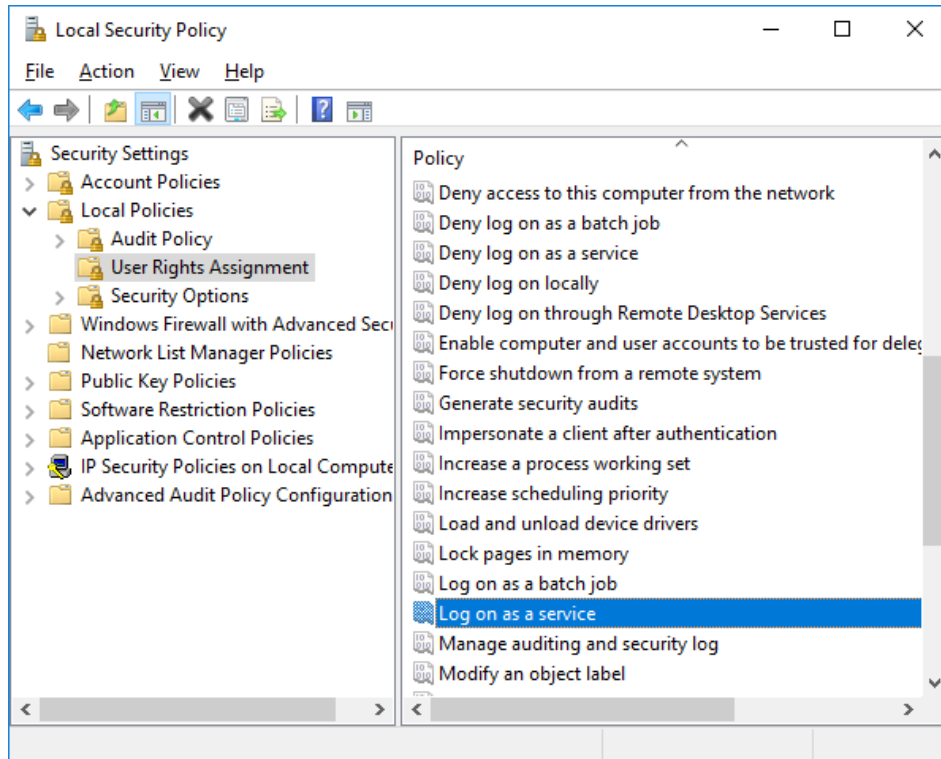
Granting "Log on as a service" Rights to Windows Users

For any Windows User specified for an instance of Stratum Service, you need to grant them rights to "Log on as a service".

1. Access Administrative Tools and select Local Security Policy.

2. Expand Local Policies, click on User Rights Assignment, scroll down, and double-click the "Log on as a service" policy.

3. Add each Windows User to the policy to grant them "Log on as a service" rights.