Memory Options

This section describes how to change the memory settings for the Java Virtual Machine when running Aspire. It depends on how you are running Aspire.

By default, Aspire uses 1 GB of memory for evaluation purposes. However, for production or development environments we recommend increasing this accordingly. Check the Hardware and Network Considerations for the recommend memory allocation settings.

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Running in Linux from aspire.sh

1. Go to your **${aspire.home}/bin** folder and edit the **aspire.sh** file. In this case, we are setting Aspire to use 32 GB of memory.

```
# Set the java options
JAVA_OPT="$JAVA_OPT -Xmx32g -Xms32g -XX:MaxPermSize=256m"
```

2. Restart Aspire

```
$ bin\shutdown.sh
```

and then

```
$ bin\aspire.sh
```

Running in Windows from aspire.bat

1. Go to your **${aspire.home}\bin** folder and edit the **aspire.bat** file. In this case we, are setting Aspire to use 32 GB of memory.

```
rem set the Java options for Aspire
set ASPIRE_JAVA_OPTS=-Xmx32g -Xms32g -XX:MaxPermSize=256m
```

2. Restart Aspire

```
> bin\shutdown.bat
```

and then

```
> bin\aspire.bat
```

Running as Windows Service

When running Aspire as a Windows Service, there are two options.

Option 1 - Re-install the Service

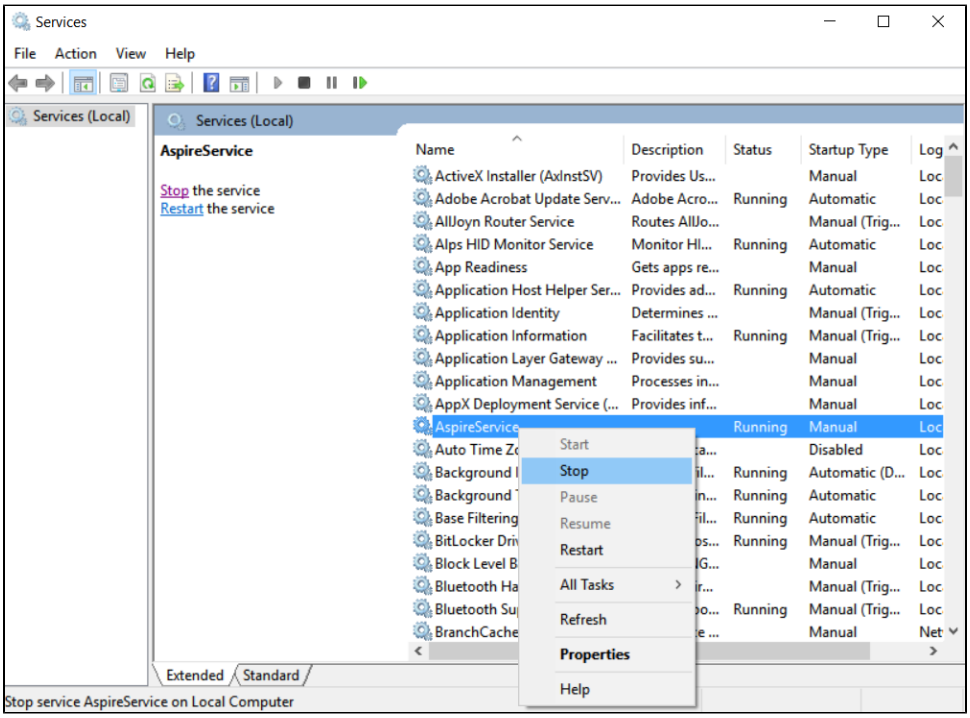
Every command should be run using an Administrator Console, and relative to the **${aspire.home}** directory.

1. Change the **${aspire.home}\bin\installService.bat** file to reflect the memory settings you want to use. In the example below we are setting the memory as 32 GB.

```
rem Initial Java heap size
set JAVA_INITIAL_MEMORY=32768

rem Maximum  Java heap size
set JAVA_MAX_MEMORY=32768
```

2. Stop the service from the Services window.



3. Remove the service by executing.

```
> bin\removeService.bat
Windows Service Name:  AspireService

[SC] DeleteService SUCCESS
Service AspireService deleted.

>
```

4. Reinstall the service.

```
> bin\installService.bat
"JAVA 8"
Current System Architecture: AMD64
Windows Service Name:  AspireService
Aspire Home:  C:\Users\aaguilar\Distributions\aspire-4.0

Java VM:  C:\Program Files\Java\jdk1.8.0_73\jre\bin\server\jvm.dll
Creating Service...


Service AspireService created.

>
```

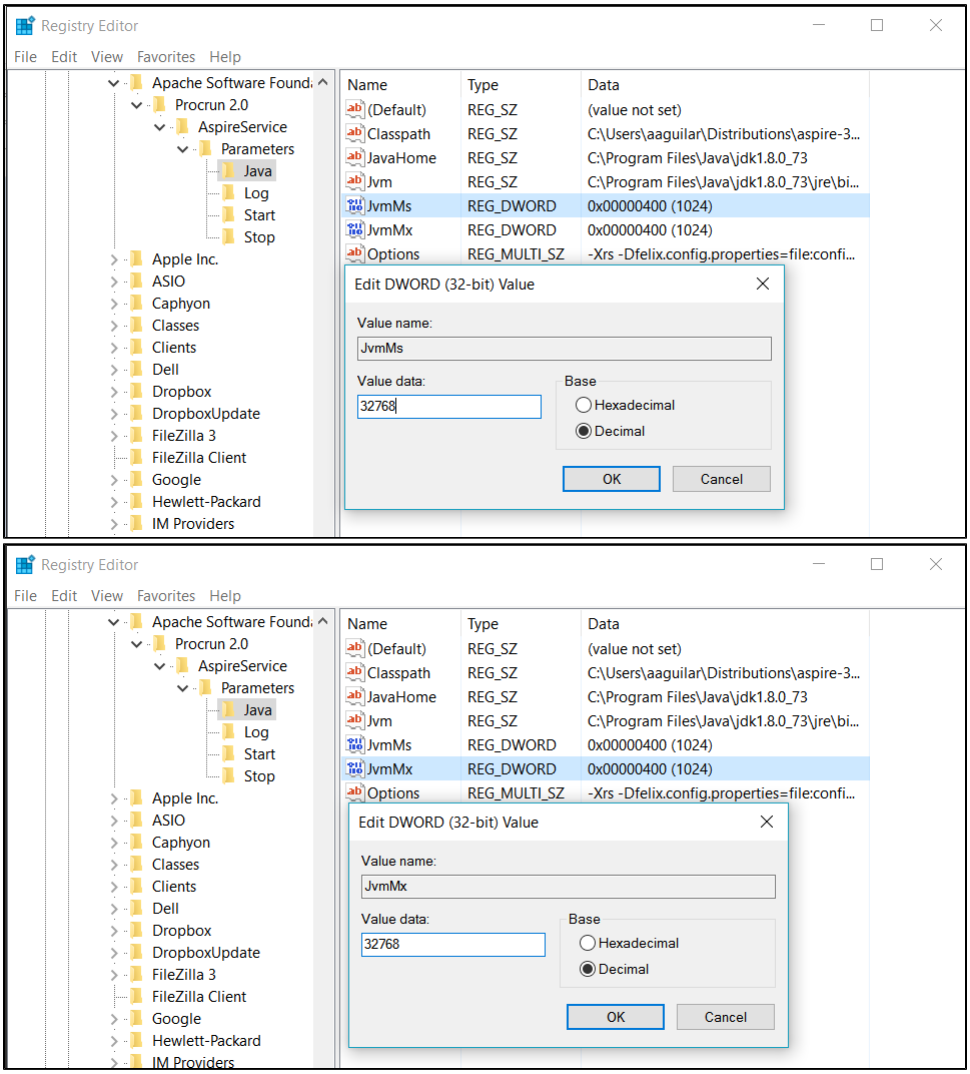
Option 2 - Change the JVM Options

This option is available if you can't or don't want to reinstall the Service.

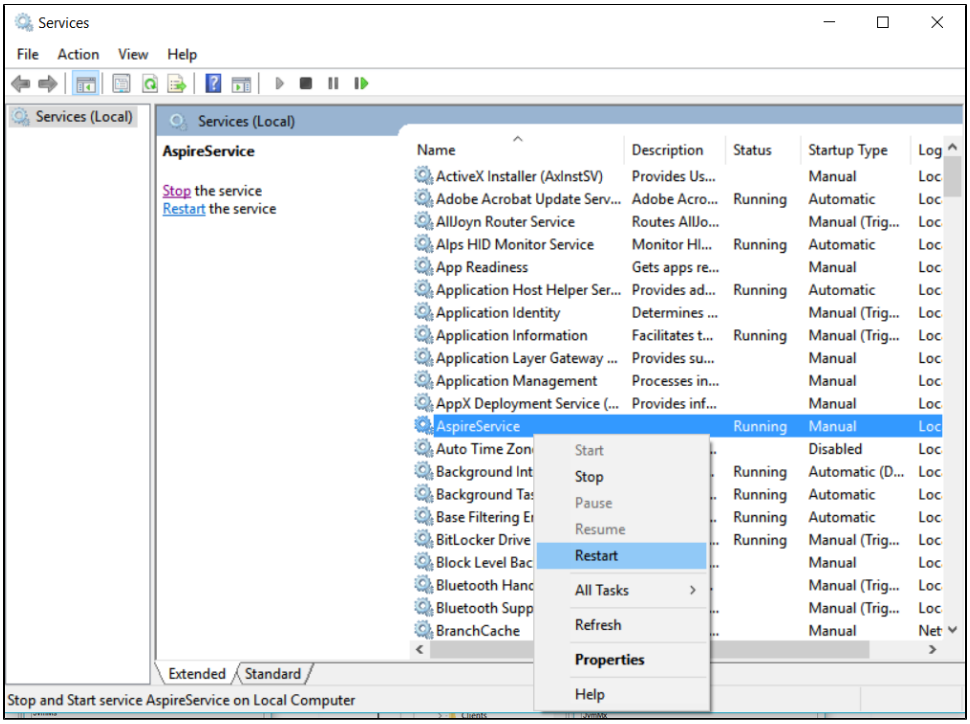
1. Open the Registry Editor (regedit).
2. Browse to:

```
HKEY_LOCAL_MACHINE / SOFTWARE / WOW6432Node / Apache Software / Procrun 2.0 / AspireService / Parameters / Java
```

3. Edit **JvmMs** and **JvmMx** to what you need.



4. Restart the **AspireService** from the Services Window.


Services
File Action View Help
Services (Local)
Services (Local)
AspireService
Stop the service
Restart the service
Name
Description
Status
Startup Type
Log
ActiveX Installer (AxInstSV)
Provides Us...
Manual
Adobe Acrobat Update Serv...
Adobe Acro...
Running
Automatic
AllJoyn Router Service
Routes AllJo...
Manual (Trig...
Alps HID Monitor Service
Monitor HI...
Running
Automatic
App Readiness
Gets apps re...
Manual
Application Host Helper Ser...
Provides ad...
Running
Automatic
Application Identity
Determines ...
Manual (Trig...
Application Information
Facilitates t...
Running
Manual (Trig...
Application Layer Gateway ...
Provides su...
Manual
Application Management
Processes in...
Manual
AppX Deployment Service (...
Provides inf...
Manual
AspireService
Running
Manual
Auto Time Zon
Disabled
Background Int
Running
Automatic (D...
Background Ta
Running
Automatic
Base Filtering E
Running
Automatic
BitLocker Drive
Running
Manual (Trig...
Block Level Bac
Manual
Bluetooth Hanc
Manual (Trig...
Bluetooth Supp
Manual (Trig...
BranchCache
Manual
Start
Stop
Pause
Resume
Restart
All Tasks
Refresh
Properties
Help
Extended
Standard
Stop and Start service AspireService on Local Computer