

Performing Scripted Deployments of the Fix My Session Agent on Non-Persistent Hosts

In highly orchestrated environments, such as AVD or RDS environments where session hosts are non-persistent and frequently rebuilt on a daily or weekly basis via scripting, etc, it would be cumbersome to use the Fix My Session GUI each time a new session host was added. In these scenarios, you can perform a scripted deployment of the Fix My Session agent deployment during session host provisioning that leverages use of a [Global Managed Service account](#) for the Fix My Session agents, after the session host has been joined to the domain. Below is an example script with PowerShell commands that we have used successfully to provision the Fix My Session agents on non-persistent session hosts, which you can adjust and tweak based on the subtle differences in your environment. These commands will:

- > Register the Fix My Session Global Managed Service Account on the newly provisioned session host, and make sure that account has local Administrator rights on the host,
- > Let the Fix My Session Agent know where the Fix My Session master server is, so it can register, obtain licensing, and be reconfigured automatically by the master server, and
- > Assign the Global Managed Service Account to the Fix My Session agent, allow it to logon as a service, and start the agent services.

*Note 1: If you are running Fix My Session in an Azure Virtual Desktop environment, Fix My Session agent components must have the Az.Storage and Az.DesktopVirtualization packages installed in order to function properly. We recommend that you install these packages on your golden image so they will always be present, using the **Install-Module Az.Storage** and **Install-Module Az.DesktopVirtualization** commands. Failing that, you can add these **Install-Module** commands to the below PowerShell script, but sometimes the Install-Module command may fail due to security settings or unavailable package managers (e.g. NuGet). Therefore, it is recommended that you pre-install these packages on your golden image.*

Note 2: This agent provisioning script needs to be run under the context of a user with local Administrator rights, and at least Domain User rights in the domain, so it can communicate with the Domain Controller.

If your session hosts are running Windows 10 or Windows 11 in AVD, change the startup type to Automatic for the Remote Registry Service, as it is disabled by default. This is critical for reconfiguration of Fix My Session settings.

```
Set-Service -Name RemoteRegistry -StartupType Automatic
```

If your session hosts are running Windows 10 or Windows 11 in AVD, now start the RemoteRegistry service

```
Start-Service -Name RemoteRegistry
```

Add your Fix My Session Global Managed Service account to the local Administrators group on this host

```
Add-LocalGroupMember -Group "Administrators" -Member "YOURDOMAIN\FMSgMSA$"
```



If Fix My Session agents are being installed on Windows server hosts, run the Install-WindowsFeature command to install the RSAT tools, so that the Install-ADServiceAccount can be run later in the sequence.

```
Install-WindowsFeature RSAT-AD-Powershell
```

If Fix My Session agents are being installed on Windows 10/11 hosts in AVD, run the Add-WindowsCapability command to install the RSAT tools, so that the Install-ADServiceAccount can be run later in the sequence.

```
Add-WindowsCapability -Online -Name Rsat.ActiveDirectory.DS-LDS.Tools~0.0.1.0
```

Clear the local Kerberos ticket cache for the machine account so that Access Denied errors are avoided when calling Install-ADServiceAccount

```
c:\windows\system32\klist.exe -lh 0 -li 0x3e7 purge
```

Install the FixMySession Global Managed Service Account on this host so it can be assigned to the Fix My Session Profile Fixer Service

```
install-adserviceaccount -identity "FMSgMSA$"
```

Run the FixMySession agent installer in quiet mode. You may need to change directories and/or download this setup package from a file share first. This setup package is located in the \Program Files\RDPSoft\Fix My Session\AgentInstaller directory on the master server where you first installed the program.

```
.\FixMySessionAgentSetup.exe /qn
```

Tell the Fix My Session agents where the Fix My Session Master Server is, so it can register, receive licensing, and receive its desired configuration.

```
reg add "HKEY_LOCAL_MACHINE\SOFTWARE\ProfileProtector" /v MasterServer /t REG_SZ /d "fixmysessionmasterserver.yourdomain.com" /f
```

Change directories to the Fix My Session Agent Program Files directory

```
cd "c:\Program Files\RDPSoft\Fix My Session Agent\"
```

Assign the Fix My Session gMSA to the Fix My Session Profile Fixer Service

```
& sc.exe config RDPSoftProfileFixer obj= YOURDOMAIN\FMSgMSA$
```

#Grant the Fix My Session gMSA the "Logon as a service" user right.

```
.\FixMySessionAgentConfig.exe YOURDOMAIN\FMSgMSA$
```

Restart both Fix My Session Agent Services

```
Restart-Service -Name "RDPSoftProfileProtector"
```

```
Restart-Service -Name "RDPSoftProfileFixer"
```

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