

AppSentinels API Security Platform

AppSentinels Agent Integration for IIS

Revision	Date Modified	Author	Comments
1.0	16-jan-26	Sagar	Initial spec for IIS middleware integration

Contents

AppSentinels Agent Integration:.....	4
Prerequisite:.....	4
IIS Global Level Deployment:.....	4
How to Install:	4
How to Uninstall:	4
IIS Application level Deployment.....	5
How to Install:	5
How to Uninstall:	5
Troubleshoot:.....	5

AppSentinels Agent Integration:

The AppSentinels Agent is an IIS native module which will be deployed on IIS Server. This enables API visibility and monitoring for the application deployed on IIS Server. It can be deployed on two ways:

- IIS global level
- IIS per application level

Prerequisite:

- Please download the Installable file from below location:
 - https://downloads.appsentinels.ai/appsentinels-deployment/IIS/IIS_Appsentinels_Agent.zip
- Unzip it and follow the below steps for installation

IIS Global Level Deployment:

How to Install:

- Open powershell as admin and go to the path where you unzip the installable file. This should contain two files
 - appsentinels_install_module.psm1
 - AppsentinelsIISModule.dll
- Run the below set of commands to install the agent:
 - Import-Module .\appsentinels_install_module.psm1 -Force
 - Install-Agent <Installation path>
 - **Example: Install-Agent C:\inetpub\wwwroot**
 - Register-Agent -ControllerIP <Controller Ip> -ControllerPort <Controller Port> -ControllerURI <Controller Path>
 - **Example: Register-Agent -ControllerIP "34.41.82.247" -ControllerPort "9004" -ControllerURI "/mergedlog?sensor=IIS&cap=nohb"**
 - Add-GlobalInstrumentation

Just for cross verification go to module section for any website, there should be a module named AppsentinelsIISAgent. After this step if you send any traffic to application on that IIS server the traffic should appears on AppSentinels Dashboard

How to Uninstall:

- Open PowerShell as admin and go to the path where you unzip the installable file. This should contain two files
 - appsentinels_install_module.psm1
 - AppsentinelsIISModule.dll
- Import-Module .\appsentinels_install_module.psm1 -Force

- Remove-GlobalInstrumentation
- Unregister-Agent
- Uninstall-Agent

IIS Application level Deployment

How to Install:

- Open powershell as admin and go to the path where you unzip the installable file. This should contain two files
 - appsentinels_install_module.psm1
 - AppsentinelsIISModule.dll
- Run the below set of commands to install the agent:
 - Import-Module .\appsentinels_install_module.psm1 -Force
 - Install-Agent <Installation path>
 - **Example: Install-Agent C:\inetpub\wwwroot**
 - Register-Agent -ControllerIP <Controller Ip> -ControllerPort <Controller Port> -ControllerURI <Controller Path>
 - **Example: Register-Agent -ControllerIP "34.41.82.247" -ControllerPort "9004" -ControllerURI "/mergedlog?sensor=IIS&cap=nohb"**
 - Add-AppInstrumentation -website <website name>
 - **Example: Add-AppInstrumentation -website appsentinel-test**

Just for cross verification go to module section for this website, there should be a module named AppsentinelsIISAgent. After this step if you send any traffic to application on that IIS server the traffic should appears on AppSentinels Dashboard

How to Uninstall:

- Open powershell as admin and go to the path where you unzip the installable file. This should contain two files
 - appsentinels_install_module.psm1
 - AppsentinelsIISModule.dll
- Import-Module .\appsentinels_install_module.psm1 -Force
- Remove-AppInstrumentation -website <website name>
 - **Example: Remove-AppInstrumentation -website appsentinels-test**
- Unregister-Agent
- Uninstall-Agent

Troubleshoot:

- During installation if you get any message like below –
 - + Import-Module .\appsentinels_install_module.psm1 -Force

```
+ CategoryInfo          : SecurityError: (:) [Import-Module],  
PSSecurityException  
+ FullyQualifiedErrorId : UnauthorizedAccess,  
Microsoft.PowerShell.Commands.ImportModuleCommand
```

Solution:

Run command: **Set-ExecutionPolicy Unrestricted -Scope CurrentUser**

- During Installation if you are using installation path other than C:\inetpub\wwwroot , please provide read/write permission to that installation path
- If you face message like: **Modules section is locked for websites. Unlock it before instrumenting.**
 - Solution: Run command: appcmd unlock config section:system.webServer/modules
 - If appcmd is not found add the path in env of **appcmd** binary typically below path:C:\Windows\System32\inetsrv
 - Then open new terminal and run above command