

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

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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>
 - **Example: Register-Agent -ControllerIP "34.41.82.247"**
 - There are two more optional parameters:
 - -ControllerPort <Controller Port>
 - -ControllerURI <Controller Path>
 - Default values of these two params are:
 - -ControllerPort "9004"
 - -ControllerURI "/mergedlog?sensor=IIS&cap=nohb"
 - **NB:** If you want to override this param then please provides as Part of **Register-Agent** command
 - 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>
 - **Example: Register-Agent -ControllerIP "34.41.82.247"**
 - There are two more optional parameters:
 - -ControllerPort <Controller Port>
 - -ControllerURI <Controller Path>
 - Default values of these two params are:
 - -ControllerPort "9004"
 - -ControllerURI "/mergedlog?sensor=IIS&cap=nohb"
 - **NB: If you want to override this param then please provides as Part of Register-Agent command**
 - 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
- If you see that from sensor it is sending the log, but it is not reaching to controller one of the reasons for this may be proxy set up on the server. Please check through below command that if proxy is configured on windows or not:
 - **netsh winhttp show proxy**
- Now if Proxy is configured then bypass the controller IP in that proxy so that sensor can send the data directly to controller:
 - **netsh winhttp set proxy proxy-server="proxy.company.com:8080" bypass-list="172.17.178.20"**
 - Proxy URL: proxy.company.com
 - IP to be bypassed: 172.17.178.20
- And then reset the IIS:
 - **iisreset**