

This agent procedure detects the type of hard drive the Windows OS is using. Either HDD, SSD, or Virtual. It also gets the health (for HDD and SSD), the SSD Wear and Power on Hours, and any HDD Read Errors.

Once the Custom Fields are created, the Agent Procedure is imported, and you confirm that the mappings are correct in the code, you just need to run this against your Windows endpoints. You can either run them manually or add it to a Policy under a schedule to run however often you want.

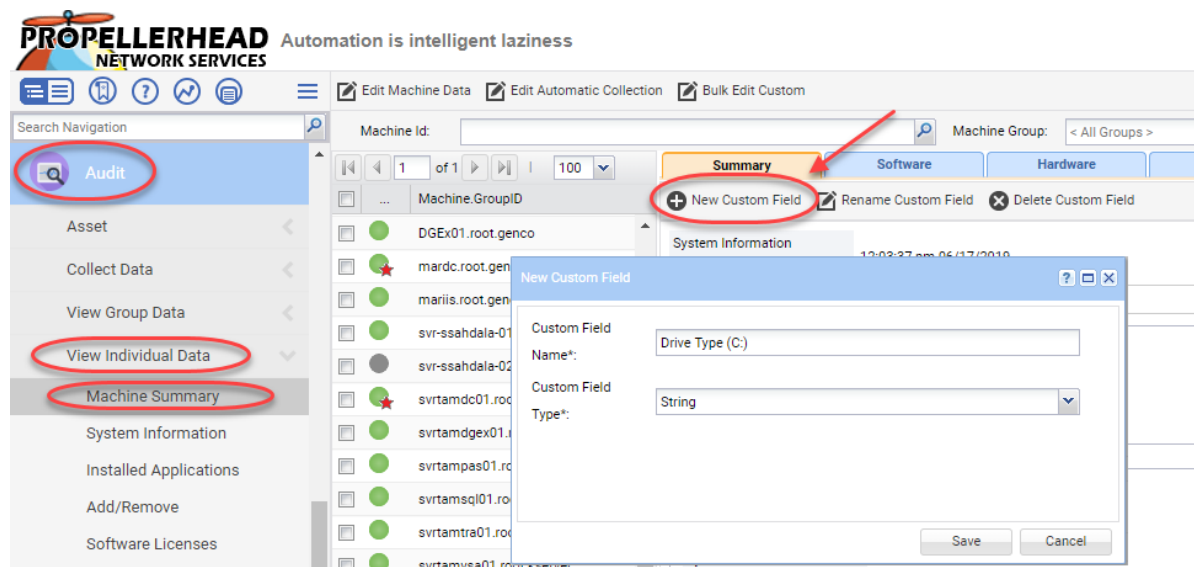
Before you import the Agent Procedure you should create the five Custom Fields below as String Custom Field Types.

1. Drive Type (C:)
2. Drive Health (C:)
3. SSD Wear (C:)
4. SSD Power no Hours (C:)
5. HDD Read Errors (C:)

You can create Custom Fields in the Audit module by going to:

VSA > Audit > View Individual Data > Machine Summary

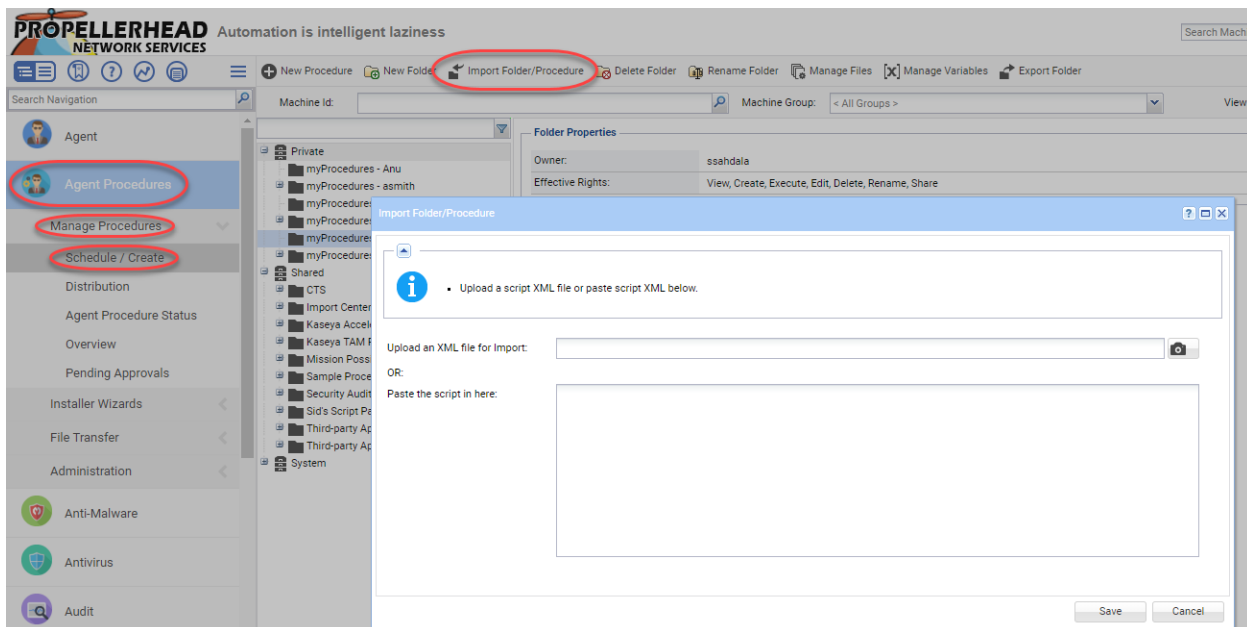
Select any endpoint then click on New Custom Field as seen in the screenshot below.



Please create the Custom Fields exactly as they appear above and PRIOR to importing the Agent Procedure. Most of the times the Custom Fields will match so you do not have to edit the Agent Procedure. There is a possibility that the import doesn't detect the Custom Fields and you will have to edit the Agent Procedure.

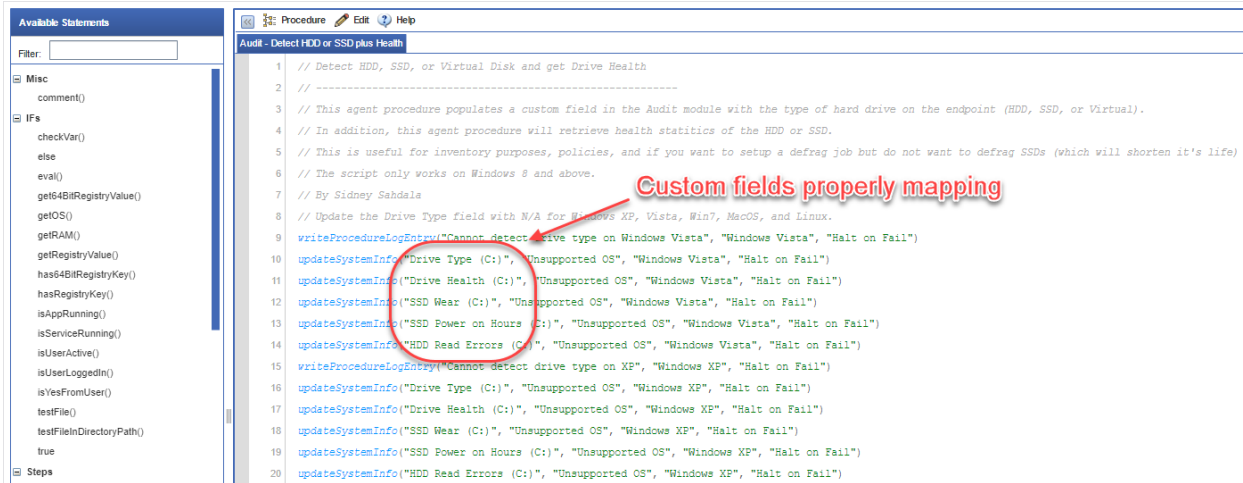
Next, import the Agent Procedure by going to:

VSA > Agent Procedures > Schedule / Create then Click on Import Folder/Procedure and then upload the extracted XML file provided in the zip file (you will need to extract it from the zip file).



After it has been imported, edit the file and make sure the custom fields are filled in for every 'updateSystemInfo' command in the Agent Procedure. If the first set of commands have it properly filled in, then the rest of the code should also be mapped properly.

Below is an example of fields mapping correctly. If your import doesn't show the custom field, then you will have to map the fields manually.



```
1 // Detect HDD, SSD, or Virtual Disk and get Drive Health
2 // -----
3 // This agent procedure populates a custom field in the Audit module with the type of hard drive on the endpoint (HDD, SSD, or Virtual).
4 // In addition, this agent procedure will retrieve health statistics of the HDD or SSD.
5 // This is useful for inventory purposes, policies, and if you want to setup a defrag job but do not want to defrag SSDs (which will shorten it's life)
6 // The script only works on Windows 8 and above.
7 // By Sidney Sabdala
8 // Update the Drive Type field with N/A for Windows XP, Vista, Win7, MacOS, and Linux.
9 writeProcedureLogEntry("Cannot detect drive type on Windows Vista", "Windows Vista", "Halt on Fail")
10 updateSystemInfo("Drive Type (C:)", "Unsupported OS", "Windows Vista", "Halt on Fail")
11 updateSystemInfo("Drive Health (C:)", "Unsupported OS", "Windows Vista", "Halt on Fail")
12 updateSystemInfo("SSD Wear (C:)", "Unsupported OS", "Windows Vista", "Halt on Fail")
13 updateSystemInfo("SSD Power on Hours (C:)", "Unsupported OS", "Windows Vista", "Halt on Fail")
14 updateSystemInfo("HDD Read Errors (C:)", "Unsupported OS", "Windows Vista", "Halt on Fail")
15 writeProcedureLogEntry("Cannot detect drive type on XP", "Windows XP", "Halt on Fail")
16 updateSystemInfo("Drive Type (C:)", "Unsupported OS", "Windows XP", "Halt on Fail")
17 updateSystemInfo("Drive Health (C:)", "Unsupported OS", "Windows XP", "Halt on Fail")
18 updateSystemInfo("SSD Wear (C:)", "Unsupported OS", "Windows XP", "Halt on Fail")
19 updateSystemInfo("SSD Power on Hours (C:)", "Unsupported OS", "Windows XP", "Halt on Fail")
20 updateSystemInfo("HDD Read Errors (C:)", "Unsupported OS", "Windows XP", "Halt on Fail")
```