

C-MP-2A : Creating the Discovery Script

Now that we have our custom class created we now need to populate it with all the instances of the Print Service we can find (or any other service that you want to discover). You could do this by making a group of the items that have already been discovered, but I would like to do this scriptomatically.

I normally create all my scripts in VBScript as this is supported better in SCOM (at least there is a GUI for this), but there is no reason you couldn't use say PowerShell or Jscript to do your discovery.

The logic that we are going to be using here is pretty simple.

1. Connect to WMI
2. Query for all instances of the Print Service
3. If found build a collection of discovered services
4. Return the collection to SCOM

The first thing you will need to do is do some reading on the following topics.

- MOMScriptAPI Object - <http://msdn.microsoft.com/en-us/library/bb437523.aspx>
- MOMScriptAPI.CreateDiscoveryData - <http://msdn.microsoft.com/en-us/library/bb437588.aspx>
- MOMScriptAPI.Return - <http://msdn.microsoft.com/en-us/library/bb437605.aspx>
- LogScriptEvent - <http://msdn.microsoft.com/en-us/library/bb437630.aspx>

The above are all the unique SCOM related methods that I am going to be making use of in my discovery script. Other noteworthy methods used in the discovery are as follows:

- CreateObject - http://www.w3schools.com/vbscript/func_createobject.asp
- GetObject - http://www.w3schools.com/vbscript/func_getobject.asp

Armed with all this information creating your discovery script becomes a lot easier.

The final thing I would like to point out is the gotchas that I run into when creating discovery scripts. The biggest pain to me is the fact you need to submit a value for the key of the class your hosting relationship refers to (documented in the script), and you need to obviously submit a value for the entities DisplayName key.

Try giving it a bash before you look at the attached discovery, I always find that I learn more struggling with something and figuring it out by myself than reading the solution straight away.