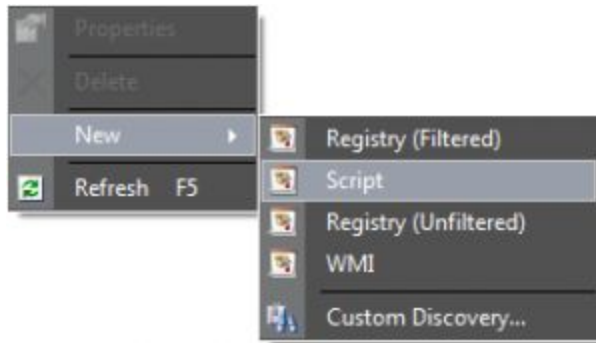


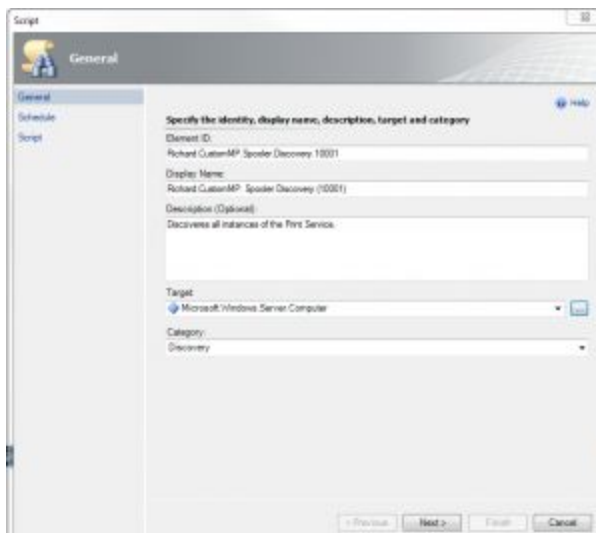
C-MP-2B : Adding the discovery to the MP

Armed with the [script from yesterday](#), we are now going to create our custom discovery in the Richard.CustomMP management pack. This is simple and can be done by following the below steps.

Open up the authoring console and navigate to Health Model -> Discoveries. Right click in the Discoveries pane and select New -> Script.

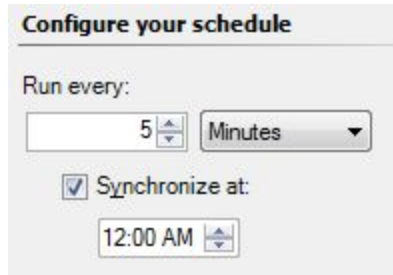


On the first screen that pops up, complete it by giving your discovery a name, description and target. Because we know that the Print Service can only run on a windows computer it is a safe bet to target the discovery at Microsoft.Windows.Server.Computer as this will cover all windows server versions from 2000 – 2008. Once completed your first screen should look something like this.



Click Next to continue.

Now define a schedule for your discovery, it is recommended not to run your discovery too often especially if you are discovering data that changes too often. I would recommend no more than 2 times a day, but for this management pack I am going to set it to run every 5 min (a big no no). Once complete the screen should look something like this.



Configure your schedule

Run every:

5 Minutes

☒ Synchronize at:

12:00 AM

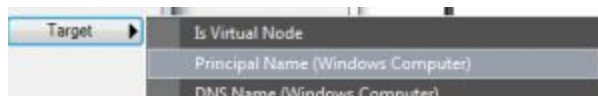
Click Next to continue.

On the next screen, give your script a name (do not forget the file extension – I have been caught by this), decide on how long is the maximum time that the script is allowed to run (normally a min by default). In the script section paste in the discovery script and then hit the Parameters button.

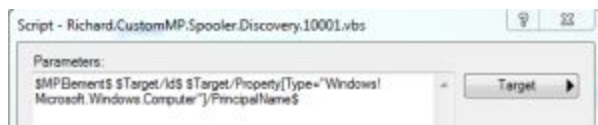
The screen that appears is the parameters screen, here we are going to give our discovery the much needed arguments to run (as you may have noticed we need 3 for this discovery). We need to give our script the following parameters.

1. Source ID
2. Managed Entity ID
3. Principle Computer Name

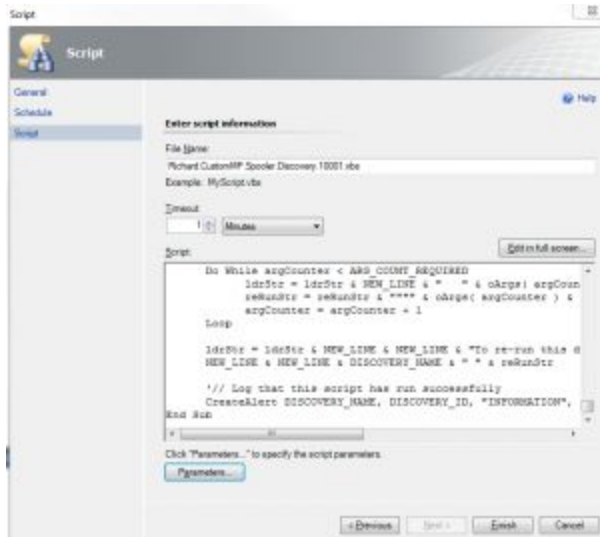
The Source ID and Managed Entity ID are special arguments for the script and are expressed as \$MPElement\$ and \$Target/Id\$ respectively. The Principle Computer Name is the key for the Windows.Server class and can be added in by clicking the Target button and selecting it from the list that appears.



Once completed your script arguments should look like this:

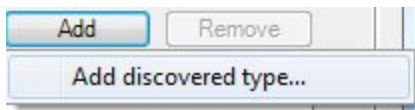


Click OK to accept the arguments, your Script screen should finally look something like this:

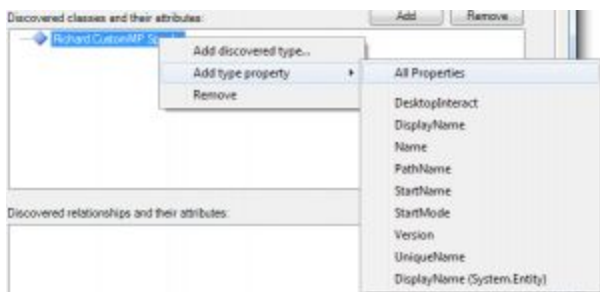


Click finish to complete the basics for the discovery.

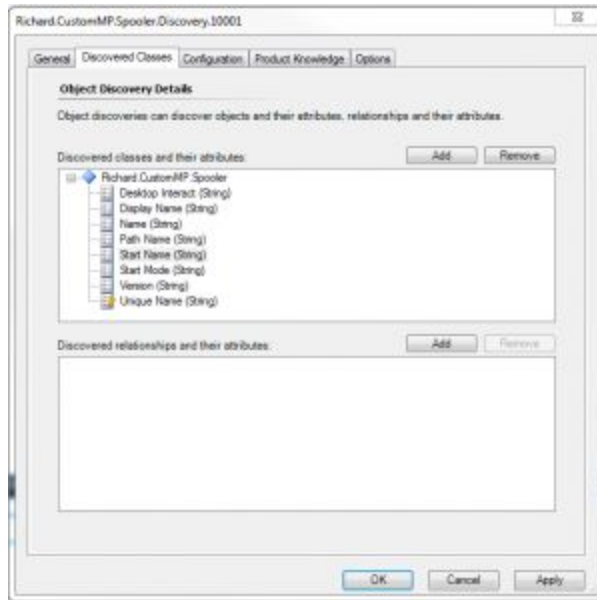
We are about ½ way completed with the discovery now. The next thing we need to do is link the discovery to the Richard.CustomMP.Spooler class. This is simple, right click on the discovery and select properties. On the window that appears click on the Discovered Classes tab. Click the Add button to add a class and its attributes.



In the management pack chooser, select the Richard.CustomMP.Spooler class and click OK. Because we are populating all properties of the class you can go ahead and right click on Richard.CustomMP.Spooler, Add type property and select All Properties to add in all the properties you want to populate with the discovery.



Once complete the screen should look something like this.



Finally click OK to finish creating your custom discovery.

As you can see there is a lot to get your head around for a custom discovery, I promise that this does get easier over time. I have attached the [latest build of the MP here](#) if you are following along with the series.