

C-MP-1D : Setting up a hosting relationship

Here is a good description on why we need to create a hosting relationship taken from <http://www.authormps.com/dnn/Concepts/Classes/Characteristics/tabid/129/Default.aspx>.

“When you define a class you must specify if it is hosted. A non-hosted class means that instances of the class can exist by themselves without being hosted by another object. For example a Windows Computer would be non-hosted; an Active Directory forest would be non-hosted. If the class is not hosted you must specify at least one key property. The value of this property (or combination of properties if there are multiple keys defined) determines the identity of the object in the Operations Manager management group. You cannot have two non-hosted objects with the same key properties in the same management group e.g. I cannot have two computers with the same principal name.

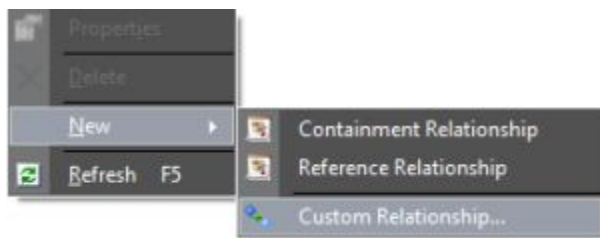
A hosted class means that instances of the class only exist as part of another object. For example I cannot have a SQL database that is not hosted by a SQL database engine. I cannot have a Windows Computer Role that is not hosted by a Windows Computer. An instance of a hosted class has a lifetime dependency on its host e.g. if the SQL database engine is uninstalled the database goes away. Also an instance of a hosted class is identified in terms of its hosting object e.g. I can have a database called master on many different instances of SQL database engine.

A hosted class does not require a key property. However, if you will have more than one instance of the class within the same hosting object you must define at least one key property.

When you specify a class is hosted you must also define a hosting relationship for the class unless you already inherit one. MP verification will raise an error if it cannot find a hosting relationship.”

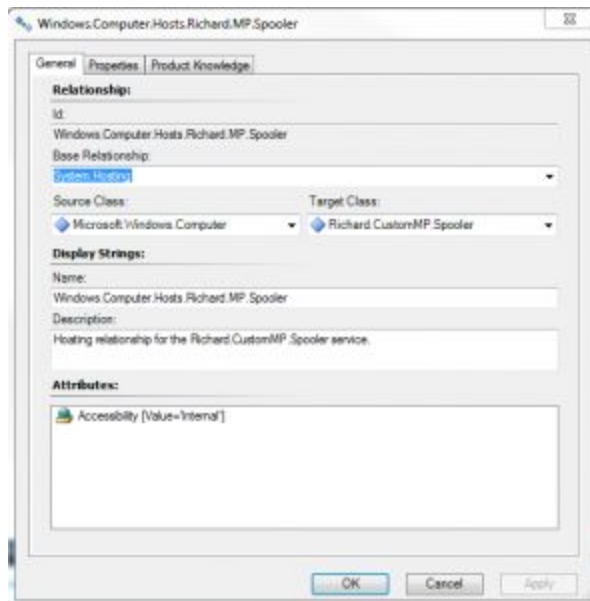
So now that we know what a hosting relationship is and what it is used for it's about time to set our one up. I am going to choose the Windows.Computer class as my target class seeing that you cannot have a service without a computer.

In the authoring console go to Service Model -> Relationships. Right click anywhere in the right hand pane and select New -> Custom Relationship.



Give the relationship a meaningful name (I used Windows.Computer.Hosts.Richard.MP.Spooled), and define the relationship as per the image below, ensuring that you use the System.Hosting base relationship. If you wish to host off another class and cannot find it in the list this means 1 of 2 things:

- You might not have the MP referenced where that class is defined
 - Just include it to correct this
 - The class you are wanting to host off does not allow hosting



Click OK to create your custom hosting relationship.

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