# Create Management Pack

1. Create a New Project 🡪 Operations Manager 2016 Management Pack
2. Project Details:
   * Project Name = Company.Application.Monitoring
     + F12.Payments.Monitoring
   * Location = wherever you want
   * Solution Name = Company.Application.Monitoring
     + F12.Payments.Monitoring
   * Place solution and project in the same directory
     + Un-checked
   * CREATE
3. View, Properties Window  
   * Management Pack Tab

|  |  |  |
| --- | --- | --- |
| **Item** | **Value** |  |
| Project Name / Solution Name | F12.Payments.Monitoring |  |
| Management Pack ID | F12.Payments.Monitoring |  |
| Management Pack Friendly Name | F12 Payments Monitoring |  |
| Default Namespace | F12.Payments |  |
| Display Name | F12 Payments Application Monitoring |  |
| Description | Monitoring F12 Payments Application | Include link to documentation |

1. Go Back to View, Properties Window
   * Build Tab
     + Generate sealed and signed management pack.
     + Company Name.
     + Copyright – “None. F12. Use at own risk. No warranty. Example only for learning purposes. Not for Production Use.”
     + Key File – GDHomelab.snk
     + Output Path (leave default)
   * Management Group Tab
     + Leave empty.
   * Deployment Tab
     + Deselect auto-increment version.
     + Leave all others on defaults.
2. Save and Build Solution

# Application and Group Classes and Discovery (with Views)

## Fragments to Use

### Classes, Views

[SCOM-Fragments/a\_Class.And.Discovery.Registry.KeyExists.No.Properties.With.Views.With.SingleGroup.txt at main · WelshieGD/SCOM-Fragments (github.com)](https://github.com/WelshieGD/SCOM-Fragments/blob/main/Class_Disc_Groups_Views/a_Class.And.Discovery.Registry.KeyExists.No.Properties.With.Views.With.SingleGroup.txt)

### Service Monitor

[SCOM-Fragments/a\_Single.Windows.Service24x7.txt at main · WelshieGD/SCOM-Fragments (github.com)](https://github.com/WelshieGD/SCOM-Fragments/blob/main/Monitor_Service/a_Single.Windows.Service24x7.txt)

## References

Add reference to

Add Reference, C:\Program Files (x86)\System Center Visual Studio Authoring Extensions\References\OM2016\Microsoft.SystemCenter.InstanceGroup.Library.mp

## Variables

### Classes, Views

Add, New Folder 🡪 AppServer

Add, New Item, Empty Management Pack Fragment

* Name = AppServerClassGroupDiscView

|  |  |  |
| --- | --- | --- |
| **Item** | **Name** | **DisplayName** |
| ##CompanyID## | F12 |  |
| ##AppName## | Payments |  |
| ##UniqueID## (Class) | ApplicationServer |  |
| ##RegKeyPath## | SOFTWARE\SCOMDiscoveryData\Payments |  |
| ##ClassID## | F12.Payments.ApplicationServer.Class |  |

### Service Monitor

Add, New Item, Empty Management Pack Fragment

* Name = AppServerSpoolerServiceMonitor

|  |  |  |
| --- | --- | --- |
| **Item** | **Name** | **DisplayName** |
| ##CompanyID## | F12 |  |
| ##AppName## | Payments |  |
| ##ServiceName## | Spooler |  |
| ##Target## | F12.Payments.ApplicationServer.Class |  |

# Build Distributed Application

Include:

* App Server
* Web Sites
* SQL Server Databases
* Distributed Application

## App Server

We already have the:

* Class
* Class Discovery
* Group
* Group Health Roll up (dependency roll up monitors).

## Web Sites