# 开发

## 添加引用

1：要添加powerShell的System.Management.Automation.dll,路径为：

C:\Windows\assembly\GAC\_MSIL\System.Management.Automation\1.0.0.0\_\_31bf3856ad364e35\System.Management.Automation.dll

2：添加System.Configuration.Install.dll引用



## 安装生成的dll

**1：找到installutil.exe位置**

Get-ChildItem -Recurse -Path ${env:SystemRoot} -Include installutil.exe

**2：进行注册**

*本地找的的位置在C:\Windows\Microsoft.NET\Framework64\v4.0.30319*

定位到文件夹，执行：

.\Installutil F:\Dome\test\studyPSSnapIn\PSBook\bin\Debug\PSBook.dll

**3：进行安装**

Add-PSSnapin liuyanwei.PSBook.test

4: 删除安装

Remove-PSSnapin liuyanwei.PSBook.test -passthru

5:取消注册

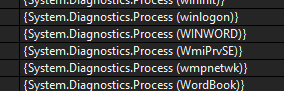
.\Installutil –U F:\Dome\test\studyPSSnapIn\PSBook\bin\Debug\PSBook.dll

注意:

1:注意计算机版本和选择installutil的位置

开始使用位置*C:\Windows\Microsoft.NET\Framework\v4.0.30319*总是安装失败

后来使用位置*C:\Windows\Microsoft.NET\Framework64\v4.0.30319* 就可以安装成功（本机64位环境）



## PSObject

### 初始化:

1. System.dateTime.Date date = new System.dateTime.Date date();

PSObject psobject = new PSObject(date);

//PSObject psobject = PSObject.AsPSObject(date);

$date = System,dateTime 2014/10/08

$psobject = new-object system.management.automation.psobject $date

# $psobject =[system.management.automation.psobject] ::AsPSObject($date)

### PsiObject封装的原对象

immediateBaseObject

BaseObject

# 示例程序：

# 获取计算机当前进程的方法

private List<Process> getServiceProcess()

{

List<Process> processList = new List<Process>();

Runspace runspace = RunspaceFactory.CreateRunspace();

runspace.Open();

Pipeline pipeline = runspace.CreatePipeline("get-process");

var result = pipeline.Invoke();

foreach (var item in result)

{

var baseObject = item.BaseObject;

Process process = (Process)baseObject;

if (process.Id != 0) processList.Add(process);

}

runspace.Close();

return processList;

}