

Step 1: Acquire the Migration Tool

- 2024-05-08 - Comments (0) - Migration

Lasernet for Dynamics 365

To be able to migrate the configuration from one environment to another, we are required to download the migration tool provided by Microsoft.

Prerequisites

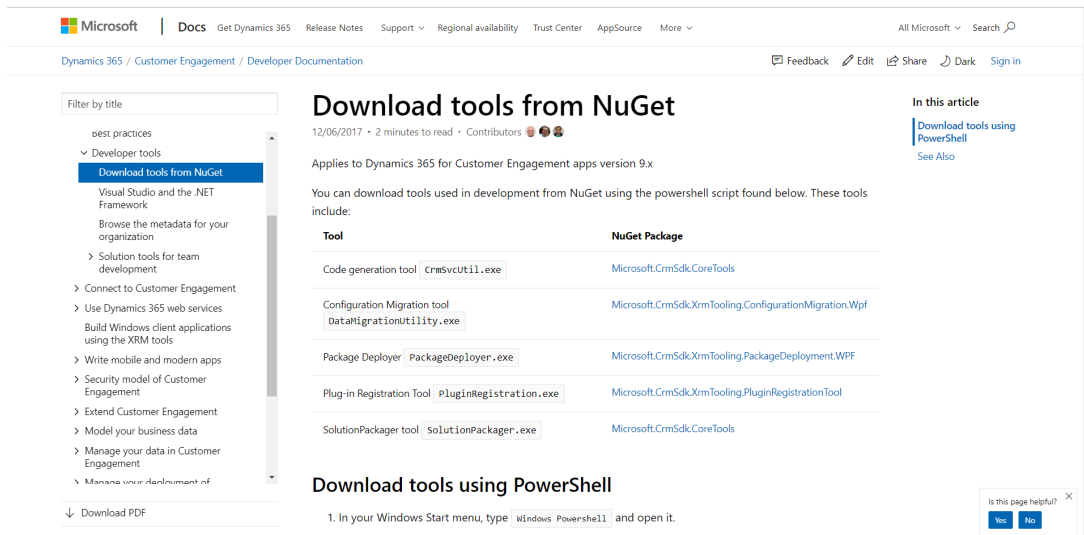
To be able to execute the steps required in this article the following is required:

- Administrative access to the installation location

Steps

1. Navigate to

<https://docs.microsoft.com/en-us/dynamics365/customer-engagement/developer/download-tools-nuget>



The screenshot shows the Microsoft Docs page for 'Download tools from NuGet'. The page title is 'Download tools from NuGet' and it is dated 12/06/2017. It applies to Dynamics 365 for Customer Engagement apps version 9.x. The page explains that you can download tools used in development from NuGet using a PowerShell script. It lists the following tools and their corresponding NuGet packages:

Tool	NuGet Package
Code generation tool <code>CmsSvcUtil.exe</code>	<code>Microsoft.CrmSdk.CoreTools</code>
Configuration Migration tool <code>DataMigrationUtility.exe</code>	<code>Microsoft.CrmSdk.XrmTooling.ConfigurationMigration.Wpf</code>
Package Deployer <code>PackageDeployer.exe</code>	<code>Microsoft.CrmSdk.XrmTooling.PackageDeployment.WPF</code>
Plug-in Registration Tool <code>PluginRegistration.exe</code>	<code>Microsoft.CrmSdk.XrmTooling.PluginRegistrationTool</code>
SolutionPackager tool <code>SolutionPackager.exe</code>	<code>Microsoft.CrmSdk.CoreTools</code>

Below the table, there is a section titled 'Download tools using PowerShell' with the following instruction:

1. In your Windows Start menu, type `Windows PowerShell` and open it.

The page also includes a sidebar with a search filter and a 'Download PDF' button. A small 'Is this page helpful?' poll is visible in the bottom right corner.

2. Copy the script as instructed from the steps in the link above.

```
[Net.ServicePointManager]::SecurityProtocol =  
[Net.SecurityProtocolType]::Tls12  
$sourceNugetExe =
```

```

"https://dist.nuget.org/win-x86-commandline/latest/nuget.exe"
$targetNugetExe = ".\nuget.exe"
Remove-Item .\Tools -Force -Recurse -ErrorAction Ignore
Invoke-WebRequest $sourceNugetExe -OutFile $targetNugetExe
Set-Alias nuget $targetNugetExe -Scope Global -Verbose

##
##Download Plugin Registration Tool
##
./nuget install Microsoft.CrmSdk.XrmTooling.PluginRegistrationTool -0
.\Tools
md .\Tools\PluginRegistration
$prtFolder = Get-ChildItem ./Tools | Where-Object {$_.Name -match
'Microsoft.CrmSdk.XrmTooling.PluginRegistrationTool.'}
move .\Tools\$prtFolder\tools\*. * .\Tools\PluginRegistration
Remove-Item .\Tools\$prtFolder -Force -Recurse

##
##Download CoreTools
##
./nuget install Microsoft.CrmSdk.CoreTools -0 .\Tools
md .\Tools\CoreTools
$coreToolsFolder = Get-ChildItem ./Tools | Where-Object {$_.Name -
match 'Microsoft.CrmSdk.CoreTools.'}
move .\Tools$coreToolsFolder\content\bin\coretools\*. *
.\Tools\CoreTools
Remove-Item .\Tools$coreToolsFolder -Force -Recurse

##
##Download Configuration Migration
##
./nuget install
Microsoft.CrmSdk.XrmTooling.ConfigurationMigration.Wpf -0 .\Tools
md .\Tools\ConfigurationMigration
$configMigFolder = Get-ChildItem ./Tools | Where-Object {$_.Name -
match 'Microsoft.CrmSdk.XrmTooling.ConfigurationMigration.Wpf.'}
move .\Tools$configMigFolder\tools\*. *
.\Tools\ConfigurationMigration
Remove-Item .\Tools$configMigFolder -Force -Recurse

##

```

```
##Download Package Deployer
```

```
##
```

```
./nuget install Microsoft.CrmSdk.XrmTooling.PackageDeployment.WPF -O  
.\Tools
```

```
md .\Tools\PackageDeployment
```

```
$pdFolder = Get-ChildItem ./Tools | Where-Object {$_.Name -match  
'Microsoft.CrmSdk.XrmTooling.PackageDeployment.Wpf.'}
```

```
move .\Tools\${pdFolder}\tools\*. * .\Tools\PackageDeployment
```

```
Remove-Item .\Tools\${pdFolder} -Force -Recurse
```

```
##
```

```
##Download Package Deployer PowerShell module
```

```
##
```

```
./nuget install
```

```
Microsoft.CrmSdk.XrmTooling.PackageDeployment.PowerShell -O .\Tools
```

```
$pdPoshFolder = Get-ChildItem ./Tools | Where-Object {$_.Name -match  
'Microsoft.CrmSdk.XrmTooling.PackageDeployment.PowerShell.'}
```

```
move .\Tools\${pdPoshFolder}\tools\*. *  
.\Tools\PackageDeployment.PowerShell
```

```
Remove-Item .\Tools\${pdPoshFolder} -Force -Recurse
```

```
##
```

```
##Remove NuGet.exe
```

```
##
```

```
Remove-Item nuget.exe
```

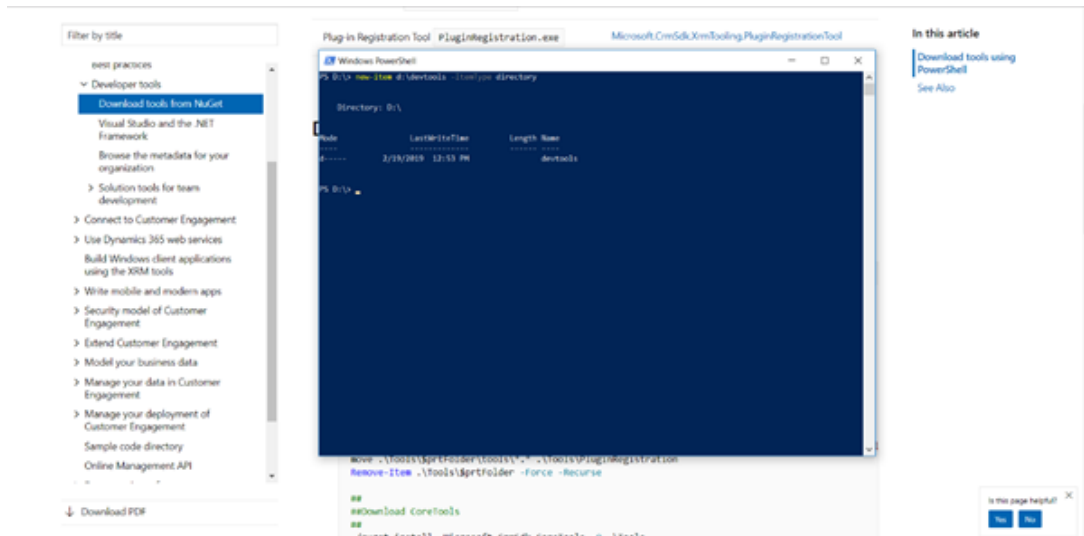
3. In your Windows Start menu, type "Windows Powershell" and open it.

The screenshot shows a Windows Start menu search for "Windows PowerShell ISE". The search results list several "Windows PowerShell ISE (x86)" applications. A red box highlights the first result. To the right, a PowerShell script is displayed in a code editor window. The script is titled "Download tools using PowerShell" and contains the following commands:

```
PowerShell  
$sourceNuGetExe = "https://dist.nuget.org/win-x86-commandline/latest/nuget.exe"  
$targetNuGetExe = ".\nuget.exe"  
Remove-Item .\Tools -Force -Recurse -ErrorAction Ignore  
Invoke-WebRequest $sourceNuGetExe -OutFile $targetNuGetExe  
Set-Alias nuget $targetNuGetExe -Scope Global -Verbose  
  
##  
##Download Plugin Registration tool  
##  
./nuget install Microsoft.CrmSdk.XrmTooling.PluginRegistrationTool -O .\Tools  
md .\Tools\PluginRegistration  
$prFolder = Get-ChildItem .\Tools | Where-Object {$_.Name -match 'Microsoft.CrmSdk.XrmTooling.PI'  
move .\Tools\${prFolder}\tools\*. * .\Tools\PluginRegistration  
Remove-Item .\Tools\${prFolder} -Force -Recurse  
  
##  
##Download Coretools  
##  
./nuget install Microsoft.CrmSdk.CoreTools -O .\Tools
```

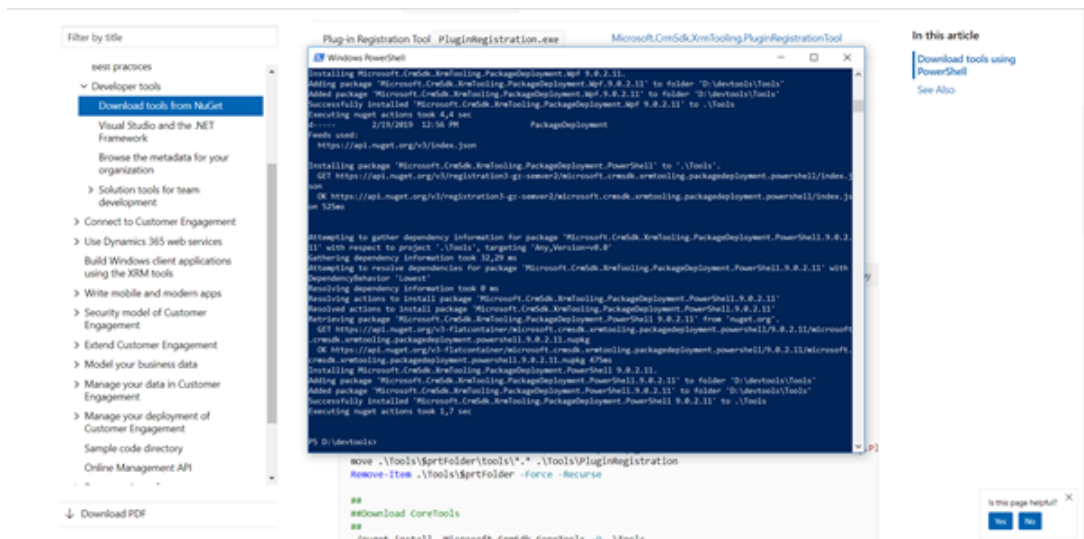
4. Create a new folder where the tools need to be installed. Type:

"new-item d:\devtools -ItemType directory"

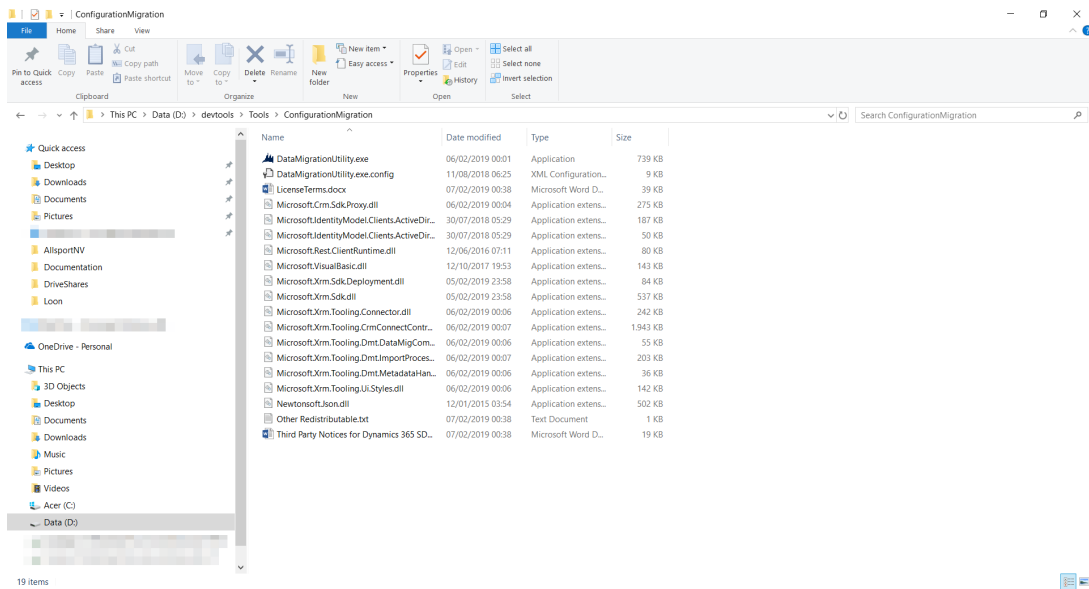


5. Navigate to the folder you want to install the tools to. For example, if you want to install them in a *devtools* folder on your D drive, type "cd D:\devtools".

6. Paste the script copied above into the PowerShell window and press the Enter key. PowerShell will finish with the following message:



7. Navigate to the corresponding folder. You will now have acquired the MigrationTool.



Related Content

- [Step 3: Export Configuration Data](#)
- [Step 2: Create a Migration Schema](#)