

## Add, Remove, And Get All Web Parts From Modern Site Page Using PnP PowerShell

In this blog, we are going to retrieve all the webparts present in a modern site page. Also, we will see how to add different web parts and delete a web part from a modern site page using PnP PowerShell.

First, we need to connect to the site. To perform the connection, add the following lines.

```
$siteURL = Read-Host "Provide site url"
```

```
Connect-PnPOnline -Url $siteURL
```

#Executing this line will ask for credentials. Provide use name and password to connect.



```
$page=Get-PnPClientSidePage Identity "ModernWebPage.aspx" #Get the page on which you are going to perform add and remove web parts.
```

### Add different Webparts

To add a text editor web part,

```
Add-PnPClientSideText -Page $page -Text "Welcomes To SharePoint"
```

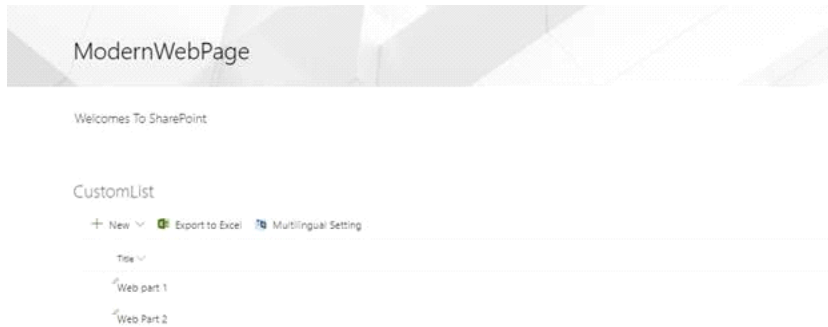
To add a list view web part,

Add-PnPClientSideWebPart -Page \$page -DefaultWebPartType "List" -WebPartProperties @{"selectedListId="609f95e4-7022-417d-a57f-693673f7eff9"}



InstanceId	Type	Title	Section	Column	Position	Properties
609f95e4-7022-417d-a57f-693673f7eff9	ClientSideWebPart	List	1	1	1	["selectedListId","609f95e4-7022-417d-a57f-693673f7eff9"]
609f95e4-7022-417d-a57f-693673f7eff9	ClientSideWebPart	List	1	1	1	["selectedListId","609f95e4-7022-417d-a57f-693673f7eff9"]

You can see two web parts are added successfully in the modern site page.



Retrieve all web parts used in the modern site pages.

```
$webParts = $page.Controls
```

```
#if there are more than one webparts
```

```
foreach($webpart in $webparts) {
```

```
    Write - Host "WebPart Id "
```

```
    $webpart.InstanceId
```

```
    Write - Host "Title "
```

```
    $webpart.Title
```

```
}
```

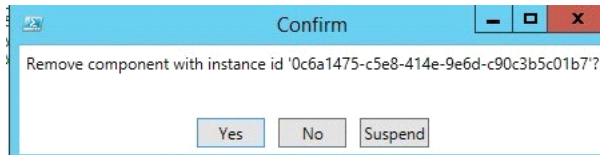
```
[DBG]: PS C:\Windows\system32>>
WebPart Id 664757da-db4c-4657-b6e8-dfa3dfe5e8be
Title News
WebPart Id f7919911-9b37-48d2-98d2-bb9cf589c706
Title People
WebPart Id d78349a4-1b6c-46f8-8b1f-7659f0f1a463
Title Document Library
WebPart Id 0c6a1475-c5e8-414e-9e6d-c90c3b5c01b7
Title Link
WebPart Id 8fea808c-2bfc-4fbe-8947-f833681a2d4f
Title
WebPart Id 4616e7d6-a71e-4a94-bbae-25eb0be11e52
Title List

PS C:\Windows\system32> |
```

### Remove a webpart

```
Remove-PnPClientSideComponent -Page $page -InstanceId
0c6a1475-c5e8-414e-9e6d-c90c3b5c01b7
```

To remove web parts, we need to provide web part instance id that we have already got in PowerShell window output while retrieving the web parts. After executing the above command, it will open a dialog box to confirm web part delete. Click on "yes" to delete the web part.



```
$siteURL = Read - Host "Please provide site url"
```

```
try {
```

```
    Connect - PnPOnline - Url $siteURL
```

```
    $page = Get - PnPClientSidePage - Identity "ModernWebPage.aspx"
```

```
    #Add webparts in modern page
```

```
    Add - PnPClientSideText - Page $page - Text "Welcomes To SharePoint" - Section 2 -
```

## Column 1

```
Add - PnPClientSideWebPart - Page $page - DefaultWebPartType" List" - Section 2 -
Column 1 - WebPartProperties @ {
    selectedListId = "609f95e4-7022-417d-a57f-693673f7eff9"
}
#Retrieve webparts from modern page
$webParts = $page.Controls
foreach($webpart in $webparts) {
    Write - Host "WebPart Id "
    $webpart.InstanceId
    Write - Host "Title "
    $webpart.Title
}
#Remove webparts from modern page
Remove - PnPClientSideComponent - Page $page - InstanceId 0 c6a1475 - c5e8 - 414e-9
e6d - c90c3b5c01b7
} catch {
    Write - Host - ForegroundColor Red 'Error ', ':'
    $Error[0].ToString();
    sleep 10
}
```