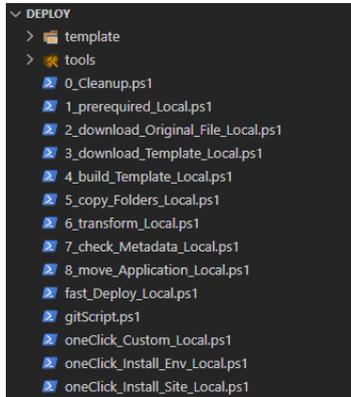# Automate Portal Customization with PowerShell Functions

Last Modified on 03/29/2023 1:52 am EDT

All the PowerShell functions used to automate the customization process are located at **/DEPLOY**.

Function	Description
oneClick_Install_Env_Local.ps1	Installs all the required components and sets up the development environment for portal customization.
oneClick_Install_Site_Local.ps1	Installs the portal site application locally.
oneClick_Custom_Local.ps1	Builds the customized portal application and packages it. • Applies the customization to a saved snapshot of the original portal version. • Replaces the portal site in IIS with the customized one. • Prepares the custom snapshot.
fast_Deploy_Local.ps1	Builds the customized portal application site and deploys it locally. This script updates the local IIS site, without running the snapshot creation process.

Function	Description
0_Cleanup.ps1 *(Available from V10.3 onwards)*	Cleans the folder structure created in the customization process. This script deletes all the folders and data, which are created in the customization process. **IMPORTANT** The deleted folders and data can't be retrieved. So, make sure to run this function with care to avoid losing data.
1_prerequired_Local.ps1	Installs the customization development requirements.
2_download_Original_File_Local.ps1	Downloads the portal artifact and creates the local environment.
3_download_Template_Local.ps1	Downloads the template project from the repository.
4_build_Template_Local.ps1	Builds the customized portal application site.
5_copy_Folders_Local.ps1	Copies the **addons** folder to the customized portal application.
6_transform_Local.ps1	Transforms the **addons** folder and copies it to the customized portal application.
7_check_Metadata_Local.ps1	Adds the customization layer to the customized portal application configuration.
8_move_Application_Local.ps1	Moves the customized portal application to the local environment.

IMPORTANT

All the functions include inline variables, such as Administration site location, repository artifact location, among others.

Edit the variable values on Notepad, or another simple text editor.

Example:

```
# Create original snapshot (without custom changes)
function createSnapshot(){
    Copy-Item -Path "C:\inetpub\wwwroot\Cora SeQuence\Flowtime 1\" -Filter * -Destination  "C:/tmp/snapshot_original" -Recurse -Force
    Compress-Archive -Path  "C:/tmp/snapshot_original" -DestinationPath "C:/tmp/snapshot_original.zip" -Force
}
```