



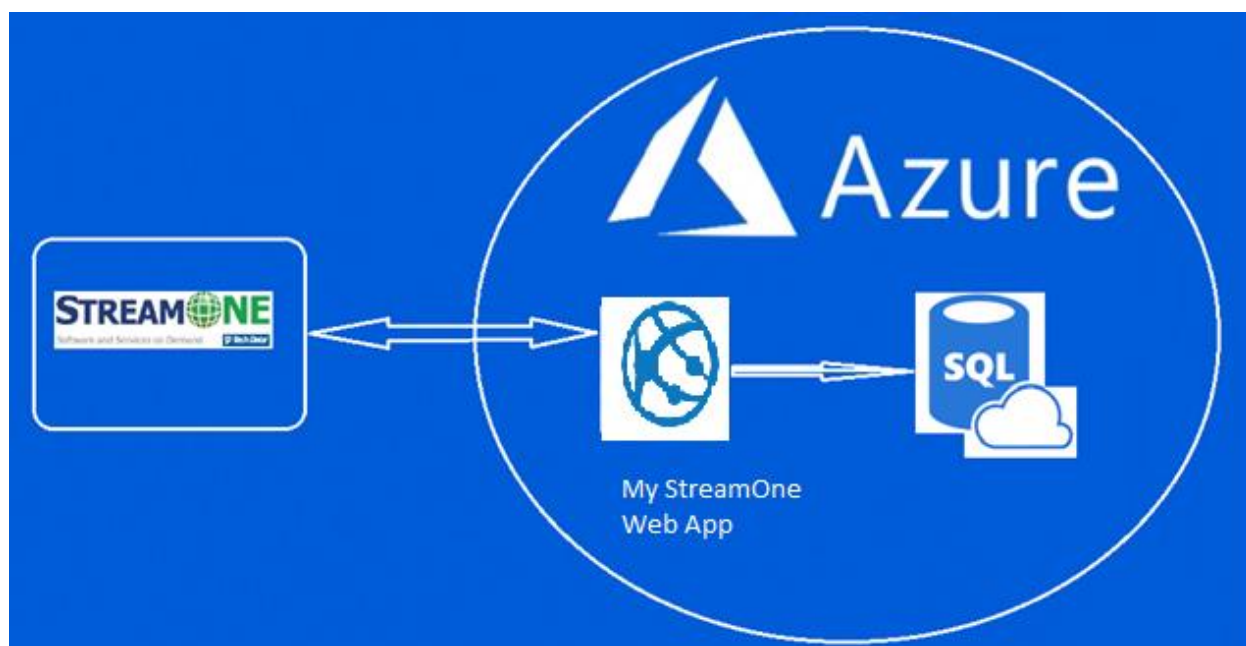
# Customer Portal SDK-StreamOne Deployment Document

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## Overview

The *Customer Portal SDK StreamOne* application is a Microsoft Azure web app + SQL database that provides a custom, white-label experience for resellers where they can share a website address with their end customers to order products and services. These orders go directly to Tech Data's StreamOne application.



The purpose of this document is to provide information for resellers on what they need to deploy an instance of the *Customer Portal SDK StreamOne*. It also provides a technical overview for internal Tech Data use to capture where things are stored, how the automation works, etc. The latter is not something to be shared with resellers, it is merely captured here in a single document by the C&A team that automated the application deployment and configuration.

## Reseller Steps for Application Deployment

This section is for the Tech Data reseller. It covers the minimum requirements for the *Customer Portal SDK StreamOne* application, a pre-deployment task to register the application on the reseller's Azure subscription, the steps to deploy the application from GitHub, and a post-deployment task to update the deployed application address.

### Minimum Requirements

1. **Microsoft account** - create one [here](#) if needed.
2. **Microsoft Azure account with an active subscription** - please contact Tech Data if you need to setup an Azure account and subscription.

### Automated application deployment

Please follow the steps below to deploy an instance of the *Customer Portal SDK StreamOne* application.

#### **Note:**

- *A global administrator account is required to setup the infrastructure for the application deployment.*
- *To avoid powershell module dependency issues, we are using shell.azure.com to make the deployment process easy. But shell.azure.com portal refresh the user login session every 20 minutes. So we recommend you to gather all the information like ResellerID, Reseller SOIN, ClientID, Client Secret and all the necessary information as stated in the documentation and start the script execution process.*

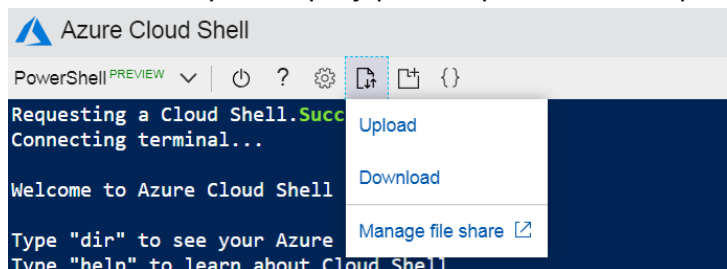
1. Browse to <https://github.com/techdata-cloudautomation/cpsso>.
2. The GitHub repository for the *Customer Portal SDK StreamOne* application opens. Scroll all the way down and click the **Deploy Installation Script** link.

### Installation Deployment

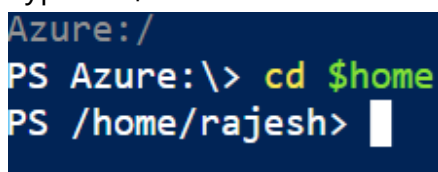
#### Download Installation Script

3. It will download the cpsodeploy.zip folder which contains the cpsodeploy.ps1 PowerShell script file.
4. Browse to <https://shell.azure.com> and login with your azure credentials. Once logged in successfully, it will prompt you to select any existing storage account or create a new one.

5. Please click on the Upload/Download files icon link and upload the above downloaded cpsodeploy.ps1 script file. It will upload the file to \$home directory.



6. Type **cd \$home** in the Azure cmd line and hit enter.



7. Type **./cpsodeploy.ps1** and hit enter. Command line will start the script execution and will show you the detailed log messages in each step.
8. As a first step, the script will give you the below warning message and expect you to login to Azure directory with global administrator user account using the given device login link and code. Once successfully logged in, the script will use the logged in session to perform the necessary steps for application deployment.

```
PS /home/rajesh> ./cpsodeploy.ps1
WARNING: To sign in, use a web browser to open the page https://microsoft.com/devicelogin and enter the code FSRWPJKVZ to authenticate.
```

9. During this execution process, the script will perform the following steps automatically:
  - a. Create Azure AD application called "CPSSOADAPP" and will grant the necessary roles for to access the Microsoft graph API.
  - b. By using the Azure AD application AppId & AppSecret, script will create Azure AD v2/Converged application.
  - c. Once the converged application is created, the script will automatically start executing the Resource Group Deployment by using the ARM template located at TechData GitHub account. During this step, the user will be prompted for input values for the following list of parameters:
    - i. **Resource group name** - If the entered resource group name is already used, it will prompt you to choose a new name.

```
Retrieved Access Token for Azure AD Graph API
Created OAuth2PermissionGrants for Directory.Read.All Group.ReadWrite
App Created
Retrieved Graph content
Creating the AAD V2 application CPSSOAdv2APP
Please enter Resource Group Name:

cmdlet ResourceGroupDeploy at command pipeline position 1
Supply values for the following parameters:
(Type !? for Help.)
resourceGroupName: webapplitedemo
```

- ii. **Location** - Enter the commercial Azure region to deploy the instance.

```
cmdlet New-AzureRmResourceGroup at command pipeline position 1
Supply values for the following parameters:
(Type !? for Help.)
Location: EAST US
```

- iii. **Site name** - This will be the name for the instance of the *Customer Portal SDK StreamOne* application. The name must be lowercase with no special characters and no spaces. If the entered site name is already used, it will prompt you to choose a new name

```
cmdlet SiteNameCheck at command pipeline position 1
Supply values for the following parameters:
(Type !? for Help.)
siteName: webapplitedemosite
```

- iv. **SQL password** - Enter a password for the SQL server and database deployed during the installation.
- v. **Allowed resellers** - Enter a comma-delimited list of allowed reseller email addresses that can use the *Customer Portal SDK StreamOne* application.
- vi. **Client ID** - Enter the partner API reseller client ID.
- vii. **Client secret** - Enter the partner API reseller secret.
- viii. **Reseller ID** - Enter the StreamOne reseller ID.
- ix. **SOIN** - Enter the partner API reseller SOIN value.
- x. **Reseller name** - Enter the StreamOne reseller name.
- xi. **Reseller region** - This is the general region where the reseller is located/does business. Allowed values are US, Europe, and Canada.
- xii. **Notification emails** - Enter an email address that will receive notifications from the application when end customers submit orders.
- xiii. **Notification email from** - This is the sender address from which the application will send notifications.

- xiv. **Notification email password** – This is the password of the email account that will send the notifications.
- 
- 10. Once the deployment is successful, you will see a message in the command line "Deployment is completed. Please access the web application using the link <https://sitename.azurewebsites.net>".
  - 11. Login to the Azure portal and click to Resource groups, you will see the newly created resource group with all the resources in it.