Tech Data

Cloud Solutions

Customer Portal SDK-StreamOne

Table of Contents

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.
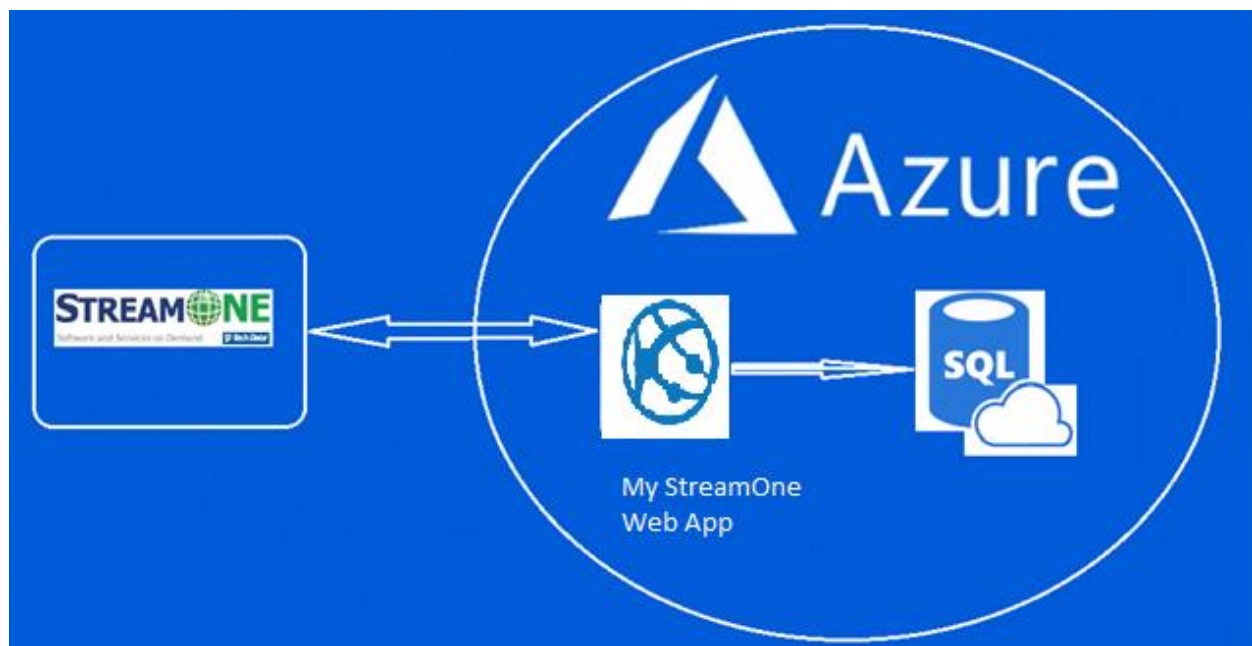
The purpose of this document is to provide information for resellers on what they need to deploy an instance of the *Customer Portal SDK StreamOne.* It also provides a technical overview for internal Tech Data use to capture where things are stored, how the automation works, etc. The later is not something 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.
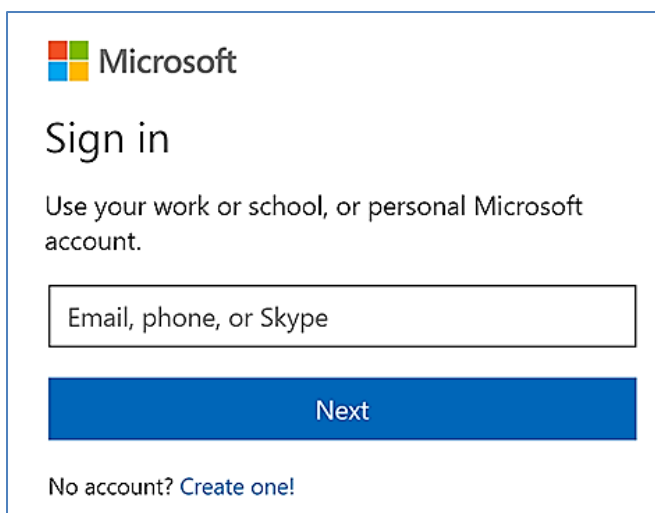
Minimum Requirements

1. **Microsoft Account** - create one <u>here</u> if needed.
2. **Micrsoft Azure account with an acctive subscription** - please contact Tech Data if you need to setup an Azure account and subscription.
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Pre-Deployment Task

The *Customer Portal SDK StreamOne* application must be registered on the reseller's Azure subscription before going through with the automated deployment steps.
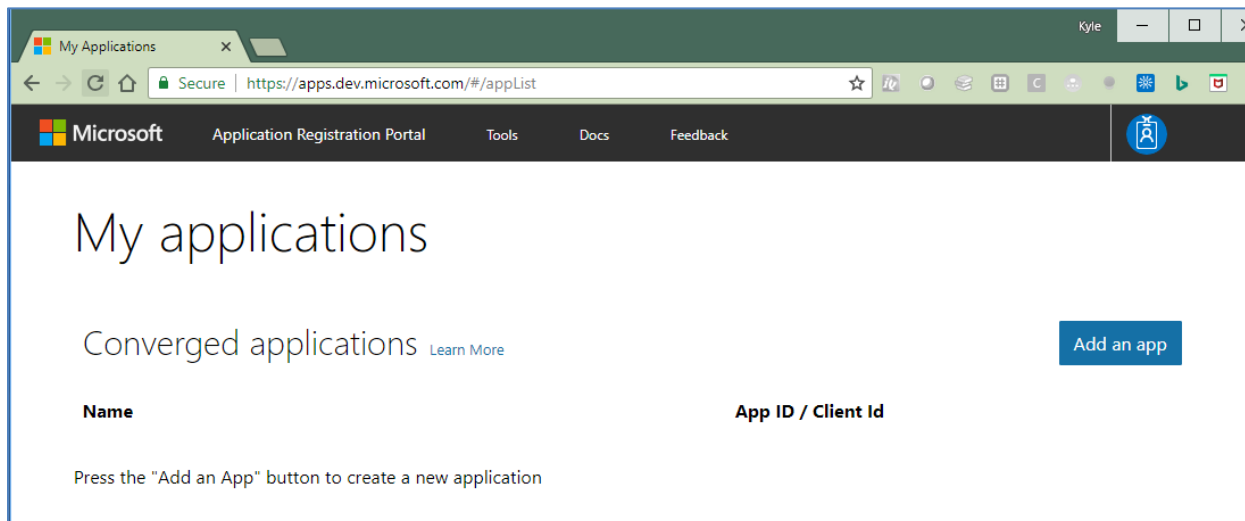
Please follow the steps below to register an instance of the application.

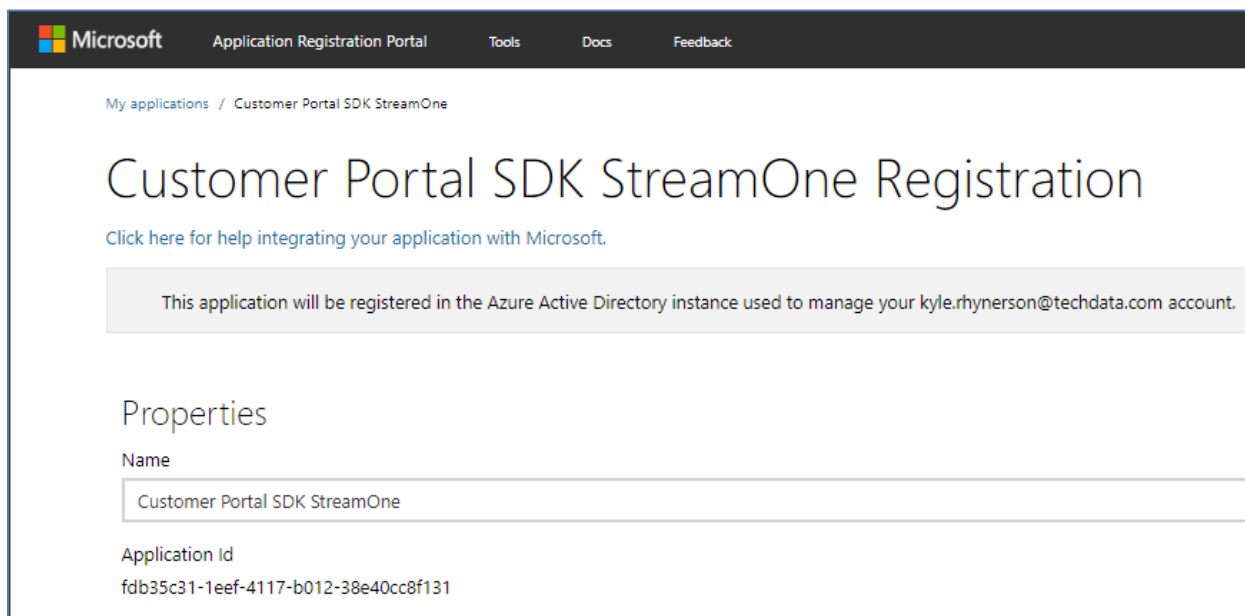1. Browse to <u>https://apps.dev.microsoft.com</u> and create or sign into a Microsoft account:

2. After signing in, you will be redirected to the **My applications** page:

3. Under the *Converged applications* section, click **Add an app**.
4. **The *Register your application* page will open. In the *Application Name* field, enter Customer Portal SDK StreamOne**, and click **Create**.
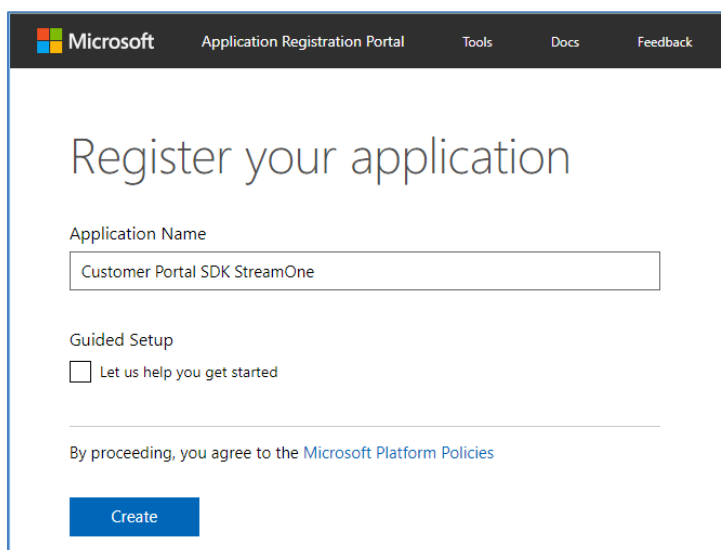
5. The *Customer Portal SDK StreamOne* page will open. Copy the ***Application Id*** value into a text file and leave the file open.

6. Under ***Application Secrets***, click the **Generate New Password** button.

7. A *New password generated* pop-up window appears. Copy the password into the same text file as the Application Id, as you will need both later. Click **OK** to close the window

8. On the *Customer Portal SDK StreamOne* page, scroll down to the bottom, and click **Save**.
9. Leave this browser window/tab open, as we will return to it to update one final value after the deployment.
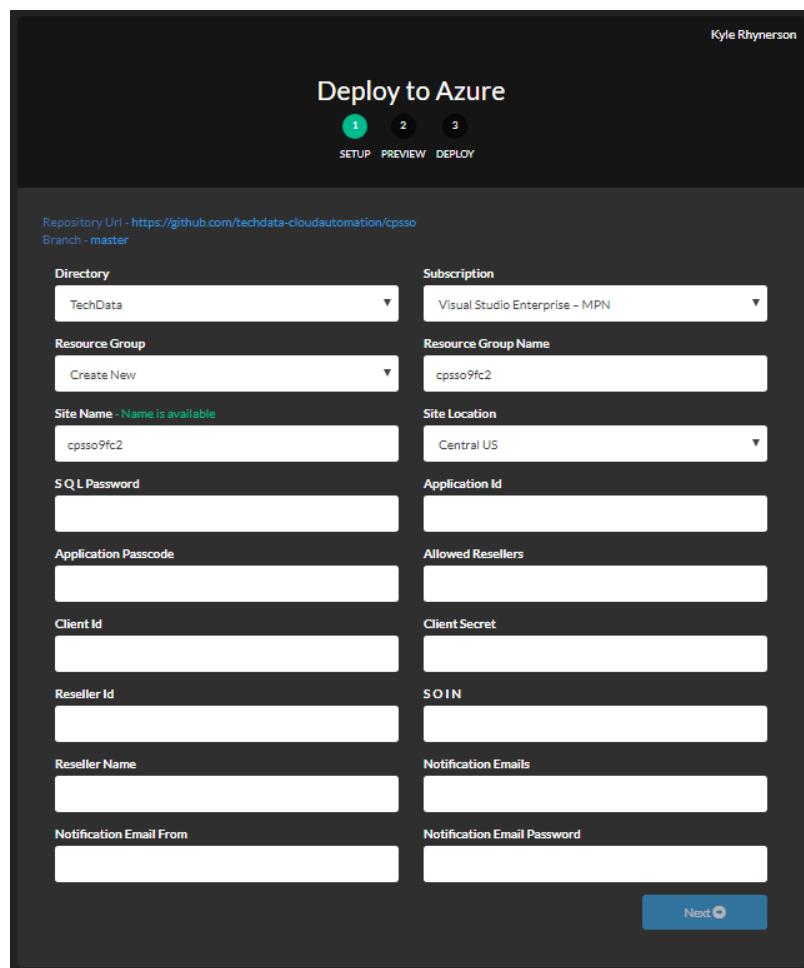
Automated application deployment

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

1. Browse to https://github.com/techdata-cloudautomation/cpsso.
2. The GitHub repository for the *Customer Portal SDK StreamOne* application opens. Scroll down and click the **Deploy to Azure** button.

3. If the web browser doesn't have cached Microsoft credentials, it will prompt you to login to Microsoft Azure.
4. A *Deploy to Azure* page will open with numerous input fields to customise the instance to the reseller. Each field is described on the next page with suggested values. Fill out the form, and click **Next**.

- **Directory** – This defaults to the Microsoft Azure directory tied to the login account. If this isn't the correct directory, close all browser windows and start over at Step #1.
- **Subscription** – This defaults to an Azure subscription tied to the login account. If needed, click the dropdown and select the desired subscription.
- **Resource Group** – This defaults to the *Create New* option to create a new resource group, which is recommended.
- **Resource Group Name** – If creating a new group, the page randomly generates a name (e.g., cpss09fc2). Accept this value or change it to a custom value.
- **Site Name** – This will be the name for the instance of the *Customer Portal SDK StreamOne* application. Accept the randomly generated name (e.g., cpss09fc2), or enter a custom value. The name must be lowercase with no special characters and no spaces. Ensure whatever name entered is valid, which will show *Name is available* if so.
- **Site Location** – Select a commercial Azure region to deploy the instance.

- **SQL Password** – Enter a password for the SQL Server and database deployed during the installation.
- **Application Id** – Copy/paste the application ID generated during the *Pre-Deployment Task* earlier.
- **Application Passcode** – Copy/paste the application password generated during the *Pre-Deployment Task* earlier.
- **Allowed Resellers** – Enter a comma-delimited list of allowed reseller email addresses that can use the *Customer Portal SDK StreamOne* application.
- **Client Id** – Enter the partner API reseller client ID.
- **Client Secret** – Enter the partner API reseller secret.
- **Reseller ID** – Enter the StreamOne reseller ID.
- **SOIN** – Enter the partner API reseller SOIN value.
- **Reseller Name** – Enter the StreamOne reseller name.
- **Notification Emails** – Enter an email address that will receive notifications from the *Customer Portal SDK StreamOne* when end customers submit orders.
- **Notification Email From** – This is the sender address from which the application will send notifications.
- **Notification Email Password** – This is the password of the email account that will send the notifications.

5. Step 2 of the *Deploy to Azure* page opens showing the deployment of SQL Azure and a website. Click **Deploy**.

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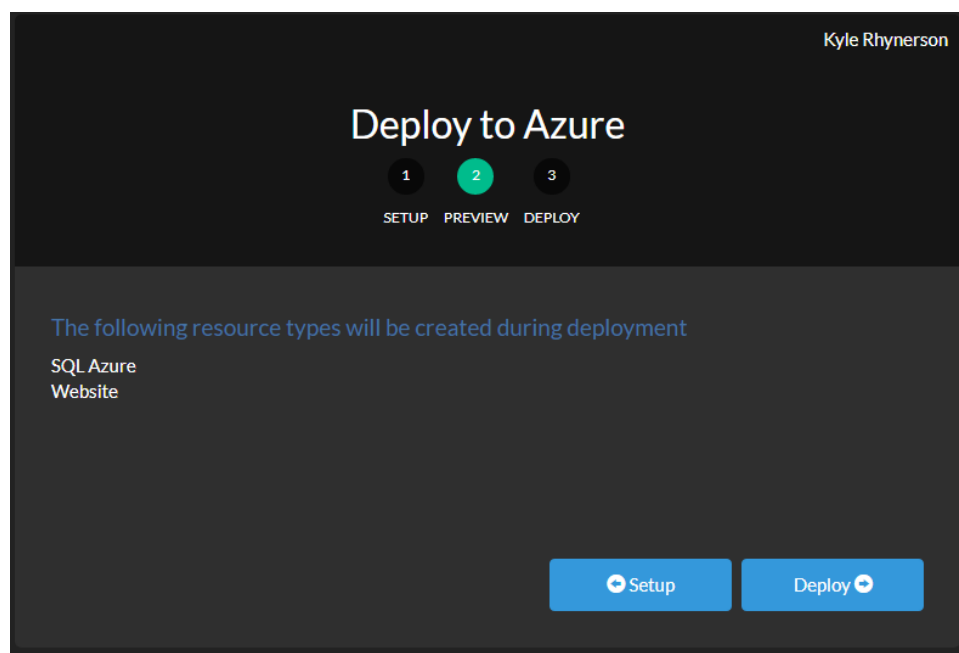
6. Step 3 of the *Deploy to Azure* page opens showing the real-time installation progress. When completed you can click the link to view the deployed resources in Azure.

Post-Deployment Task

The final task is to update the registered application with the *Site Name* selected during deployment. This could be the randomly generated value (e.g., cpss09fc2) or a custom value entered on the *Deploy to Azure* page.

1. Return to the tab/window open to https://apps.dev.microsoft.com
2. Under *Platforms*, click the **Add Platform** button.
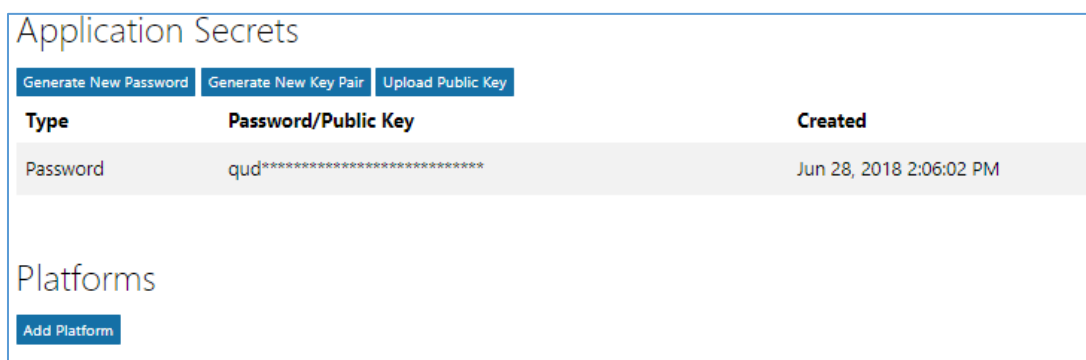
3. An *Add Platform* pop-up window appears. Click **Web**.
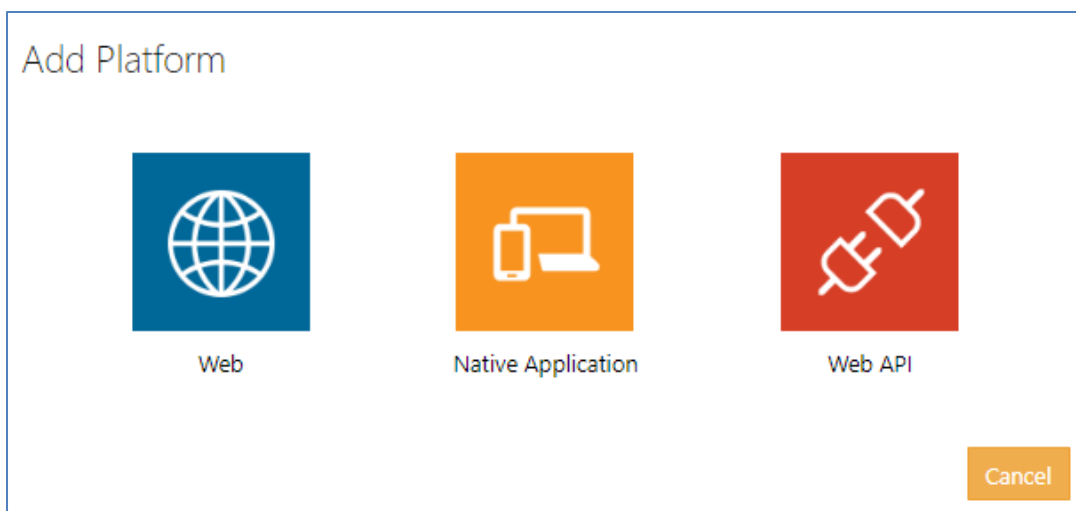
4. Scroll down to the *Platforms* section. Under *Redirect URLs* enter **https://<mark>sitename</mark>.azurewebsites.net/signin-microsoft** (e.g., https:// cpsso9fc2.azurewebsites.net/signin-microsoft).

5. Scroll down to the bottom of the page, and click **Save**.
6. At this point, the instance of the *Customer Portal SDK StreamOne* application is ready for access. Browse to it at **https://<mark>sitename</mark>.azurewebsites.net** (e.g., https:// cpsso9fc2.azurewebsites.net).

   NOTE: The initial login immediately following deployment will be a bit slow as Azure finishes up the deployment and first-time access.