Dynamics 365

Business Central

How to Guide: Deploy Storefront

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A VOX Company

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1 Introduction

Welcome to Storefront, powered by Microsoft Dynamics 365 Business Central!

Storefront is a rapid start ecommerce business management platform. Set up your Products, Prices & Content in no time. Start selling online fast.

The following document outlines how to set up and use Storefront & Storefront Admin.

2 Implementation Guide

2.1 Storefront Business Central Extension App

2.2 Deploy Storefront App

2.3 Objects

Object	ID	Name	Web Service
Page	73500	SalesLineKI	Yes
Page	73501	SalesHeaderKI	Yes
Page	73502	CustomerKI	Yes
Page	73503	ItemKI	Yes
Page	73504	SalesPriceKI	Yes
Page	73505	ItemVariantKI	Yes
Page	73506	AssemblyBOMKI	Yes
Page	73507	ShipToAddressKI	Yes
Page	73508	ItemCategoryKI	Yes
Page	73509	ShippingAgentKI	Yes
Page	73510	ShippingAgentServicesKI	Yes
Page	73511	ItemAttributeKI	Yes
Page	73512	PaymentMethodKI	Yes
Page	73513	PostCodeKI	Yes
Page	73514	CurrencyKI	Yes
Page	73515	IdentityKI	Yes
Page	73516	AnalyticsKI	Yes
Page	73517	Storefront Role Center	
Page	73518	LocationKI	Yes
Page	73519	PaymentsKI	Yes
Page	73520	ItemAttributeValueKI	Yes
Page	73521	DiscountOfferKI	
Page	73522	BasketOfferKI	
Page	73523	BasketOfferLineKI	Yes

Page	73524	Basket Offer List	
Page	73525	VoucherKI	
Page	73526	SalesInvHeaderKI	Yes
Page	73527	SalesInvLineKI	Yes
Page	73528	EmailLogKI	
Page	73529	BasketOfferLineKI2	
Page	73530	Price List KI	Yes
Table	73502	AnalyticsKI	
Table	73500	IdentityKI	
Table	73501	DiscountOfferKI	
Table	73503	PaymentsKI	
Table	73504	BasketOfferKI	
Table	73505	BasketOfferLineKI	
Table	73506	VoucherKI	
Table	73522	EmailLogKI	
Codeunit	73500	EventHandlerKI	
Codeunit	73501	EcommerceMgtKI	
Query	73514	Customer Spend SF	

2.4 Configure Pages marked as Web Service

SOAP Web Services

Object Type	Object ID	Object Name	Service Name
Page	73500	Sales Lines	SalesLineKI
Page	73501	Sales Documents	SalesHeaderKI
Page	73502	Customers	CustomerKI
Page	73503	Items	ItemKI
Page	73504	Special Prices	SalesPriceKI
Page	73505	Item Variants	ItemVariantKI
Page	73506	Assembly BOM	AssemblyBOMKI
Page	73507	Ship-To Addresses	ShipToAddressKI
Page	73508	Item Categories	ItemCategoryKI
Page	73509	Shipping Agents	ShippingAgentKI
Page	73510	Shipping Agent Services	ShippingAgentServicesKI
Page	73511	Item Attributes	ItemAttributeKI
Page	73512	Payment Methods	PaymentMethodKI
Page	73513	Post Codes	PostCodeKI
Page	73514	Currencies	CurrencyKI

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Page	73515	Users	IdentityKI
Page	73516	Datastore	AnalyticsKI
Page	73518	Locations	LocationKI
Page	73519	Storefront Payments Log	PaymentsKI
Page	73520	Item Attribute Values	ItemAttributeValueKI
Page	73523	Basket	BasketOfferLineKI
Page	73526	Sales Invoice Headers	SalesInvHeaderKI
Page	73527	Sales Invoice Lines	SalesInvLineKI
Page	73530	Price List	PriceListKI

3   BC Setups

3.1   Default Setup – Import RapidStart

3.2   Profile / Role

- Storefront Role Center: Page 73517

3.3   Update existing Documents to view online

- SF Setup > Create Document GUIDs

3.4   Item Categories

- Select top level categories (empty Parent Code / has children) > Calculate Department Filters

3.5   Stock Location

- SF Setup: SETUP INVT LOCATION

3.6   Payment Methods

- Account
- ONLINE: for one PSP, default PSP PayGate
  - Secure online payments powered by PayGate
- NETCASH
- PAYGATE

3.7   No. Series

- New Customer No Series: CUST

3.8   Standard Text

- STOREFRONT COMMENT

3.9   Job Queue

- Schedule Codeunit 73501 "EcommerceMgtKI" every 5 minutes
- Handles emails and batch processes, make order requests etc..

3.10 Guest Customer & Identity

- guest@storefront.co.za

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4 Product Search

- Export Item List Descriptions
- Add to autocomplete array in js script.

5 Storefront to Business Central Connector

5.1 WSAK - deprecated

- A Business Central User account is required.
- Enable the Web Service Access Key on an existing User account to make use of it for authentication.
- Username & Web Service Access Key – Deprecated, replaced by S2S OAuth

5.2 Authentication

- Azure Access Control Service
- Azure Active Directory
- S2S OAuth
- Add Permissions and Storefront Permission Set.

On Prem: A separate Business Central Service required, configured to authenticate as per above required option.

5.3 Network – On Prem Business Central

- Create a secure virtual network between the Storefront web app and the Business Central environment, web services endpoints.
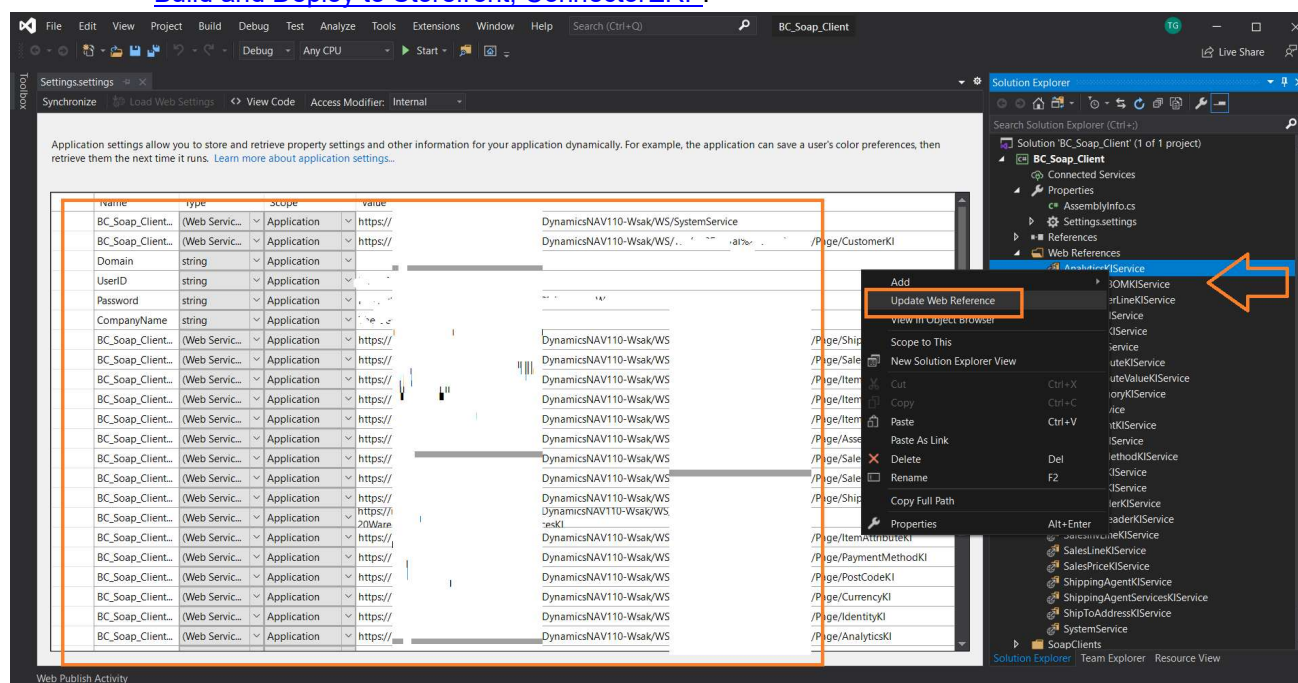
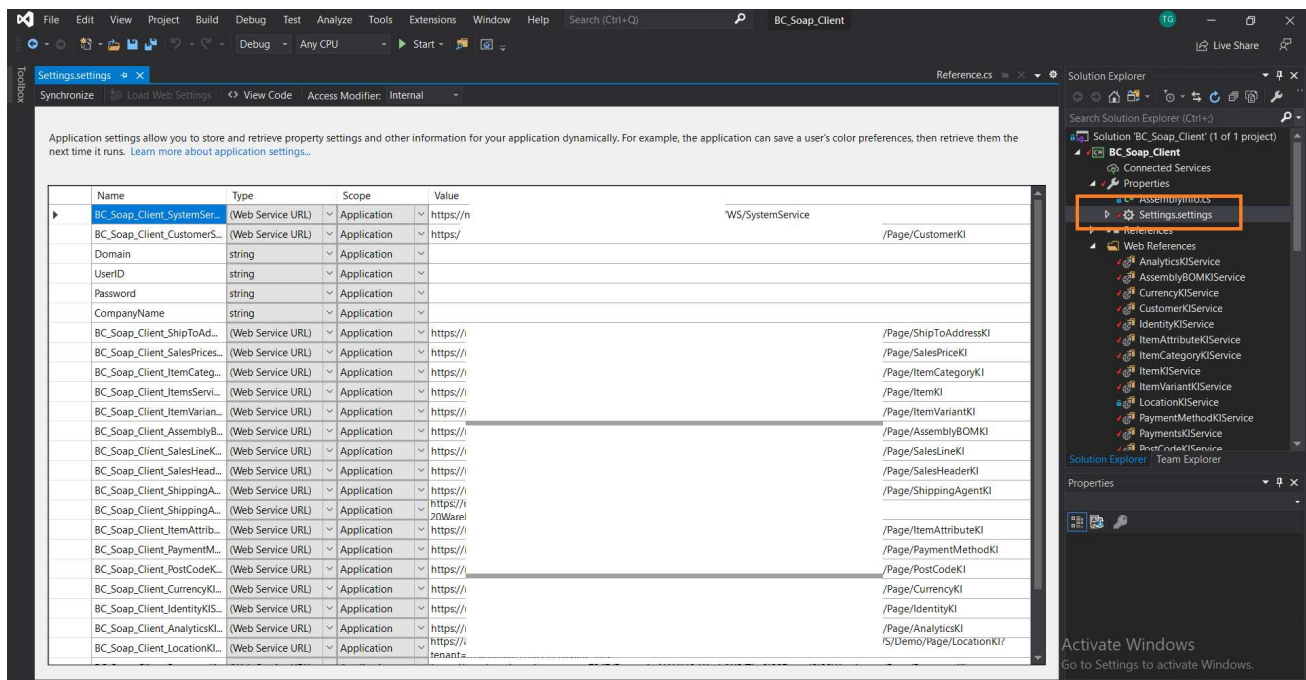# 6 SOAP Web Services Client

6.1 OAuth

- Requires auth code changes to auto generated classes.
- WDSL updates require local copy to refresh from. 6.2 update function does work with OAuth.

6.2 Update WSDL URLs

- For each web reference, right-click > properties > Web Reference URL
- For each web reference, right-click > Update Web Reference to update the Web Reference definition – manual import required for OAuth
- Point the relevant Business Central SOAP web services URL.
- Build and Deploy to Storefront, ConnectorERP.

- Verify Settings.settings are the same

6.3 Set Credentials

- Settings.Designer.cs
- App.config

7 Payment Service Provider Integration

7.1 Refer to ConnectorPSP folder in solution

7.2 PayGate

PayGate Payment Service Provider Settings in PayWeb3.cs

- PayGate ID
- PayGate Secret

7.3 Netcash

Netcash Payment Service Provider Settings in NetcashPayNow.cs

- PAY_NOW_SERVICE_KEY
- SOFTWARE_VENDOR_KEY

8 Storefront Web App

8.1 Azure Storage Account

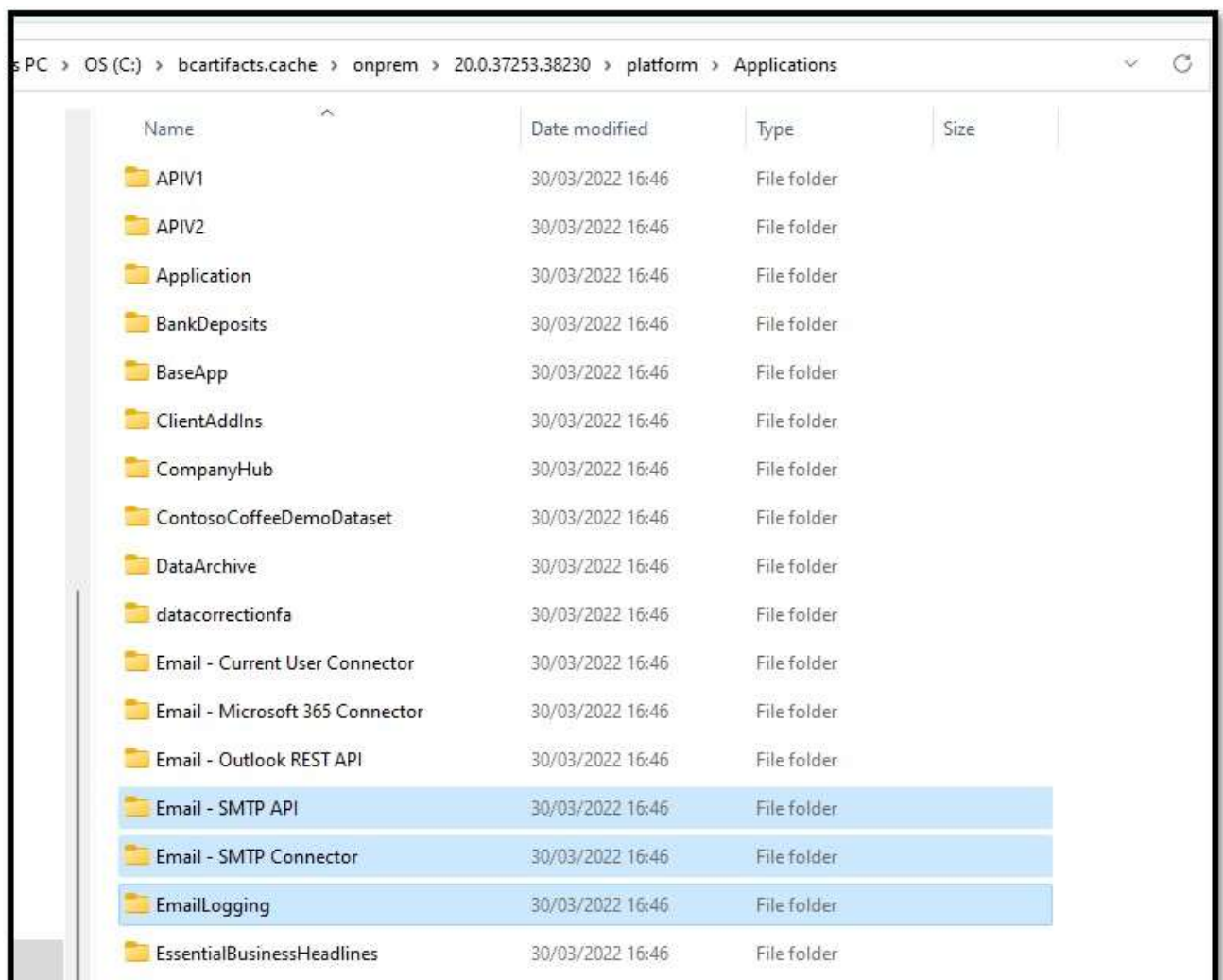Set the storage namespace in the `ContentController`

- `containerPrefix`
- Format: `"<SiteName>-"`
- Example: `"<CustomerABC>-"`

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As well as the following, if applicable:
- storageRoot
- connectionString

9 Email Notifications

- Configure an email account in Business Central
- Storefront makes use of Business Central's built-in SMTP email capabilities
- Install SMTP connector Apps:

Name	Date modified	Type	Size
APIV1	30/03/2022 16:46	File folder	
APIV2	30/03/2022 16:46	File folder	
Application	30/03/2022 16:46	File folder	
BankDeposits	30/03/2022 16:46	File folder	
BaseApp	30/03/2022 16:46	File folder	
ClientAddIns	30/03/2022 16:46	File folder	
CompanyHub	30/03/2022 16:46	File folder	
ContosoCoffeeDemoDataset	30/03/2022 16:46	File folder	
DataArchive	30/03/2022 16:46	File folder	
datacorrectionfa	30/03/2022 16:46	File folder	
Email - Current User Connector	30/03/2022 16:46	File folder	
Email - Microsoft 365 Connector	30/03/2022 16:46	File folder	
Email - Outlook REST API	30/03/2022 16:46	File folder	
Email - SMTP API	30/03/2022 16:46	File folder	
Email - SMTP Connector	30/03/2022 16:46	File folder	
EmailLogging	30/03/2022 16:46	File folder	
EssentialBusinessHeadlines	30/03/2022 16:46	File folder	

Path: PC > OS (C:) > bcartifacts.cache > onprem > 20.0.37253.38230 > platform > Applications

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Tell me what you want to do

mail setup

Go to Pages and Tasks   Show less

> Email Logging   Administration

> Email Application AAD Registration   Administration

> Online Map Setup   Administration

> Set Up Email   Administration

Didn't find what you were looking for? Try exploring pages and reports

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- Select SMTP

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And it will prompt you to add settings:

Setup SMTP Account

Account Name `*`	
Sender Name	
Email Address `*`	
Server Url `*`	
Server Port	25
Authentication	⌄
User Name	
Password	
Secure Connection	●

Apply Office 365 Server Settings   Back   Next

Afterwards, search for Email Accounts to add / change config:
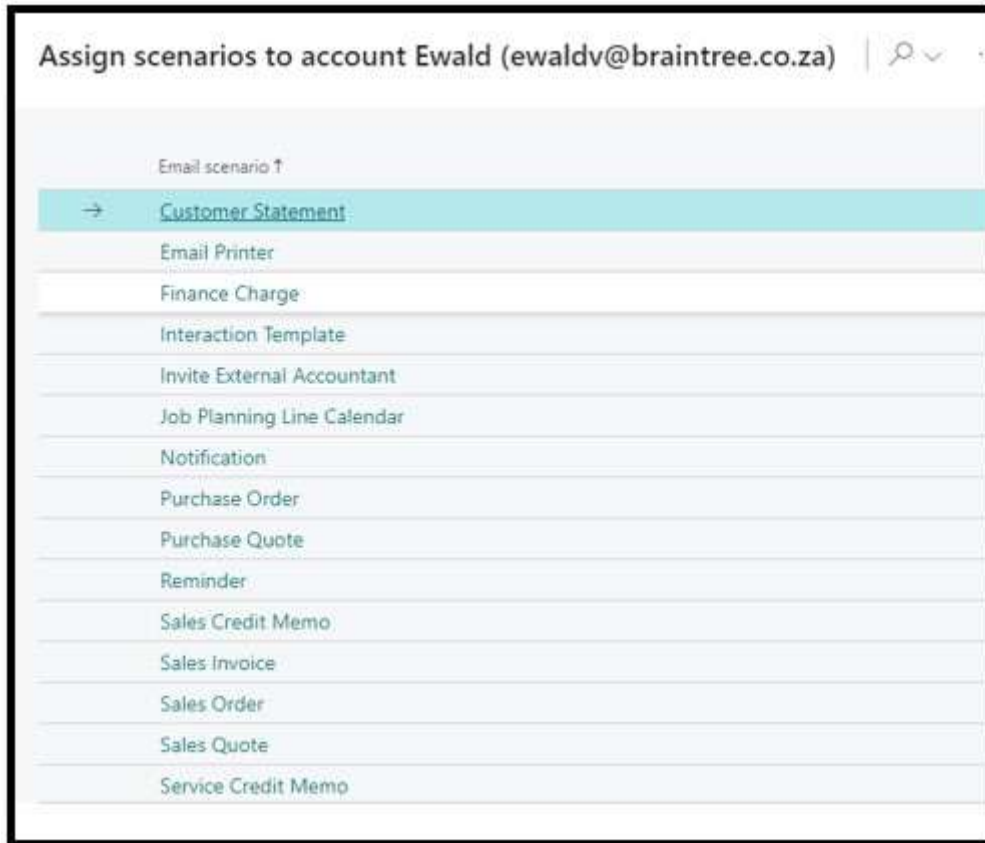
Tell me what you want to do

email acc

Go to Pages and Tasks

> Email Accounts   Administration

Assign Storefront email scenario

10 Storefront Setup

P Key	Metric	Text Value
ATTRIBUTES	Filter Attribute Ids	8|9|11|12|13
DOMAIN	Storefront Online Shop	https://braintree-storefront-demo.azurewebsit
SETUP ACC PMT METHOD	SETUP ACC PMT METHOD	ACCOUNT
SETUP ACC REG	Internal Accounts Email - New Accounts	appdev@braintree.co.za
SETUP ACTIVE CART DAYS		15
SETUP CURRENCIES	SETUP CURRENCIES	EUR|GBP|USD
SETUP EMAIL FROM	Email Notifications	appdev@braintree.co.za
SETUP FAV LAST RUN		22/03/2023

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SETUP FORM	Documents and forms	https://forms.office.com/Pages/ResponsePage.
SETUP FORM 2	Documents and forms	https://drive.google.com/embeddedfolderview
SETUP FORM 3	Documents and forms	https://drive.google.com/embeddedfolderview
SETUP INVT LOCATION	Shop Inventory Location Filter	
SETUP INVT POST GROUP	SETUP INVT POST GROUP	
SETUP LCY	Amount in Curerncy Symbols	R
SETUP LCY CURRENCY	SETUP LCY CURRENCY	South African Rand (ZAR)
SETUP MARKETING EMAIL	Submit Feedback Forward to Email	appdev@braintree.co.za
SETUP ONLINE PMT METHOD	SETUP ONLINE PMT METHOD	ONLINE
SETUP PAYMENT METHODS	SETUP PAYMENT METHODS	ACCOUNT|ONLINE
SETUP POST PMT JNL	Post Cash Receipt Journals	Yes
SETUP PRICE LIST		YES
SETUP PROMO ATTRIBUTE	Promotion Attribute Id	13
SETUP PROMO ATTRIBUTE VALUE	Promotion Attribute Value Id	90
SETUP PROMO ATTRIBUTE2	Promotion Attribute Id	13
SETUP PROMO ATTRIBUTE2 VALUE	Promotion Attribute Value Id	91
SETUP PROMO CATS	Promoted Categories Filter	AUDIO,MISC,PRO SERVICES,FURNITURE,SERVIC
SETUP REFER VOUCHER	Refer a friend Voucher Code	VOUCHER-REFER
SETUP SHIP AGENT SERVICES	Shipping Services	
SETUP SHIP AGENTS	Shipping Agents	OWN LOG.
SETUP SIGNUP VOUCHER	Sign Up Voucher Code	VOUCHER-SIGNUP
SETUP SURVEY	Sign Up WSurvey	https://forms.office.com/Pages/ResponsePage.

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11 User Take-on

- Create new Storefront Users
- Manually
- Action from the Customer Card
- Make use of Co. Name __TAKEON__ for plain text passwords
  - These should be changed upon first login using the Forgot Password function

12 Conclusion

For additional assistance, please contact us at info@braintree.co.za.