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## Use Case Overview

CB4-2-001 – Merchant Local Data Store for Product Catalog

Internal

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# Solution Overview

## ➤ CB4-2-001

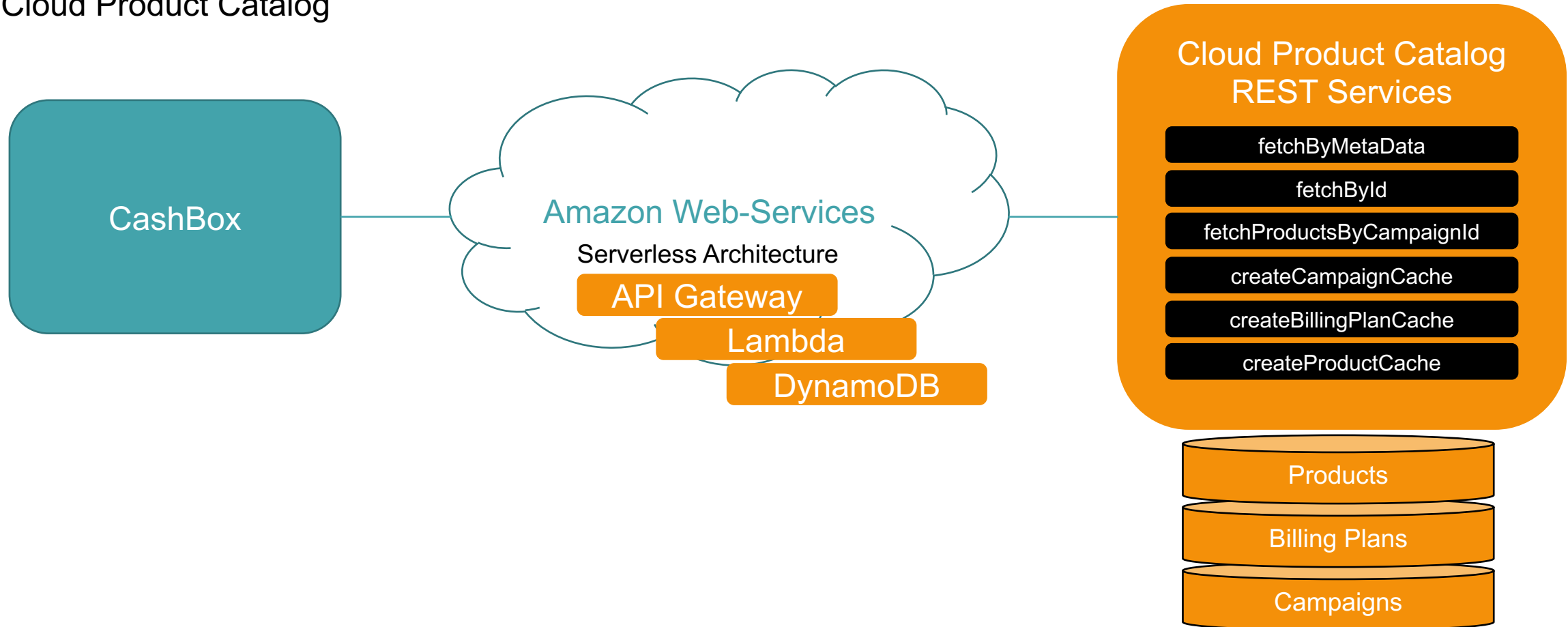
- Display CB4E product offers for purchase on the Merchants online storefront.
  - As a Merchant System, I need to keep a local copy of products and billing plans so that the user experience is optimized during the checkout process.
- Pre-Condition
  - Products and BillingPlans have been created in CashBox.
- Post-Condition
  - Products and BillingPlans are available in the merchant's local data store.

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# Design Approach

Cloud Product Catalog



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# REST API: createProductCache

Description	Instantiates or updates the Product cache.	
End Point	<a href="https://z0i9foi7x6.execute-api.us-west-1.amazonaws.com/beta/create-product-cache">https://z0i9foi7x6.execute-api.us-west-1.amazonaws.com/beta/create-product-cache</a>	
URL Attributes	Not Applicable	
Body Attributes	<b>credential</b>	Your CashBox credentials is the format “<username>:<soapPassword>” – this is the same format you would use when calling CashBox REST APIs
	<b>environment</b>	A string value that can be used to segment the product catalog. This is used by the CashBox Anytime Demo storefront to filter the product catalog.
	<b>cacheName</b>	A string value that is used to represent the name of the cache. If the cache does not already exist it is created. If the cache already exists it is updated.
Return Attributes	<b>statusCode</b>	200 on success
	<b>productCacheName</b>	Returns the name of the cache that was created or updated
	<b>environment</b>	Returns the environment used in the creation or update of the cache

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# REST API: createBillingPlanCache

Description	Instantiates or updates the Billing Plan cache.	
End Point	<a href="https://z0i9foi7x6.execute-api.us-west-1.amazonaws.com/beta/create-billing-plan-cache">https://z0i9foi7x6.execute-api.us-west-1.amazonaws.com/beta/create-billing-plan-cache</a>	
URL Attributes	Not Applicable	
Body Attributes	<b>credential</b>	Your CashBox credentials is the format “<username>:<soapPassword>” – this is the same format you would use when calling CashBox REST APIs
	<b>environment</b>	A string value that can be used to segment the product catalog. This is used by the CashBox Anytime Demo storefront to filter the product catalog.
	<b>cacheName</b>	A string value that is used to represent the name of the cache. If the cache does not already exist it is created. If the cache already exists it is updated.
Return Attributes	<b>statusCode</b>	200 on success
	<b>billingPlanCacheName</b>	Returns the name of the cache that was created or updated
	<b>environment</b>	Returns the environment used in the creation or update of the cache

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# REST API: createCampaignCache

Description	Instantiates or updates the Campaign cache.	
End Point	<a href="https://z0i9foi7x6.execute-api.us-west-1.amazonaws.com/beta/create-campaign-cache">https://z0i9foi7x6.execute-api.us-west-1.amazonaws.com/beta/create-campaign-cache</a>	
URL Attributes	Not Applicable	
Body Attributes	<b>credential</b>	Your CashBox credentials is the format “<username>:<soapPassword>” – this is the same format you would use when calling CashBox REST APIs
	<b>environment</b>	A string value that can be used to segment the product catalog. This is used by the CashBox Anytime Demo storefront to filter the product catalog.
	<b>cacheName</b>	A string value that is used to represent the name of the cache. If the cache does not already exist it is created. If the cache already exists it is updated.
Return Attributes	<b>statusCode</b>	200 on success
	<b>campaignCacheName</b>	Returns the name of the cache that was created or updated
	<b>environment</b>	Returns the environment used in the creation or update of the cache

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# REST API: fetchProductsByCampaignId

Description	Returns a list of merchantProductIds associated with a given campaignId	
End Point	<a href="https://zb67hifyq9.execute-api.us-west-1.amazonaws.com/prod/campaign/fetchproductsbycampaignid">https://zb67hifyq9.execute-api.us-west-1.amazonaws.com/prod/campaign/fetchproductsbycampaignid</a>	
URL Attributes	campaignId	The CashBox campaignId you are searching with
	environment	The environment you wish to search. A string value that can be used to segment the product catalog. This is used by the CashBox Anytime Demo storefront to filter the product catalog.
	cacheName	The name of the cache you wish to search. A string value that is used to represent the name of the cache. If the cache does not already exist it is created. If the cache already exists it is updated.
Body Attributes	Not Applicable	
Return Attributes	statusCode	200 on success 400 on missing URL attributes 500 on cache does not exist
	merchantProductId[]	Returns an array of merchantProductIds
	environment	Returns the environment used in the search

# REST API: fetchByMetaData

Description	Returns a list of Product Objects associated with a given set of MetaData	
End Point	<a href="https://9vd0j92jya.execute-api.us-west-1.amazonaws.com/prod/product-catalog/fetchbymetadadata">https://9vd0j92jya.execute-api.us-west-1.amazonaws.com/prod/product-catalog/fetchbymetadadata</a>	
URL Attributes	<b>cacheName</b>	The Product or Billing Plan cache you wish to search Note: Campaign cache does not support MetaData
	<b>environment</b>	The Environment you wish to search within the cache
	<b>name</b>	The MetaData Name value that you are filtering on
	<b>value</b>	The MetaData Value value you are filtering on
Body Attributes	Not Applicable	
Return Attributes	<b>statusCode</b>	200 on success 400 on missing URL attributes 500 on cache does not exist
	<b>response</b>	Returns an array of Products or BillingPlans matching the search parameters
	<b>cacheName</b>	Returns the cacheName used in the search
	<b>environment</b>	Returns the environment used in the search



# REST API: fetchById

Description	Returns a list of (Product, Billing Plan or Campaign) Objects associated with a given id	
End Point	<a href="https://v1g95ni3pg.execute-api.us-west-1.amazonaws.com/prod/product-catalog/fetchbyid">https://v1g95ni3pg.execute-api.us-west-1.amazonaws.com/prod/product-catalog/fetchbyid</a>	
URL Attributes	<b>cacheName</b>	The Product, Billing Plan or Campaign cache you wish to search
	<b>environment</b>	The Environment you wish to search within the cache
	<b>id</b>	The id value that you are filtering on
	<b>type</b>	enumerated values: product, billingPlan or campaign
Body Attributes	Not Applicable	
Return Attributes	<b>statusCode</b>	200 on success 400 on missing URL attributes 500 on cache does not exist
	<b>response</b>	Returns an object of Product or BillingPlan or Campaign matching the search parameters
	<b>cacheName</b>	Returns the cacheName used in the search
	<b>environment</b>	Returns the environment used in the search

## CashBox for Industries - CB4-2-001

# Links to Source Code

Asset Name	Source Destination	Source Language	Link
createProductCache	Lambda	Python 2.7	<a href="https://github.com/Vindicia/CB4-Code-Repository/tree/master/CB4-2-001">https://github.com/Vindicia/CB4-Code-Repository/tree/master/CB4-2-001</a>
createProductCache	API Gateway	VTL	
createBillingPlanCache	Lambda	Python 2.7	
createBillingPlanCache	API Gateway	VTL	
createCampaignCache	Lambda	Python 2.7	
createCampaignCache	API Gateway	VTL	
fetchProductsByCampaignId	Lambda	Python 2.7	
fetchProductsByCampaignId	API Gateway	VTL	
fetchByMetaData	Lambda	Python 2.7	
fetchByMetaData	API Gateway	VTL	
fetchById	Lambda	Python 2.7	
fetchById	API Gateway	VTL	

# Use Disclaimer

## ➤ Understanding Reusable Assets

- All technology provided as part of CashBox for Industries are considered to be non—supported reusable assets
  - Reusable assets are software accelerators that are outside of the scope of any agreement with Amdocs
  - Customers are free to use them at will
  - Customers are responsible for support as if they wrote it themselves
  - Reusable assets are provided as is and are not supported by Amdocs

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A woman with dark hair and glasses is smiling at the camera. She is wearing a grey t-shirt. In the background, other people are working at desks in an office environment.

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merci  
Dank e grazie  
ありがとう  
gracias 謝謝

Thank you  
obrigado