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Use Case Overview

CB4E-2-001 – Merchant Local Data Store for Product Catalog

Internal

Liam Maxwell
Solution Architect

Solution Overview

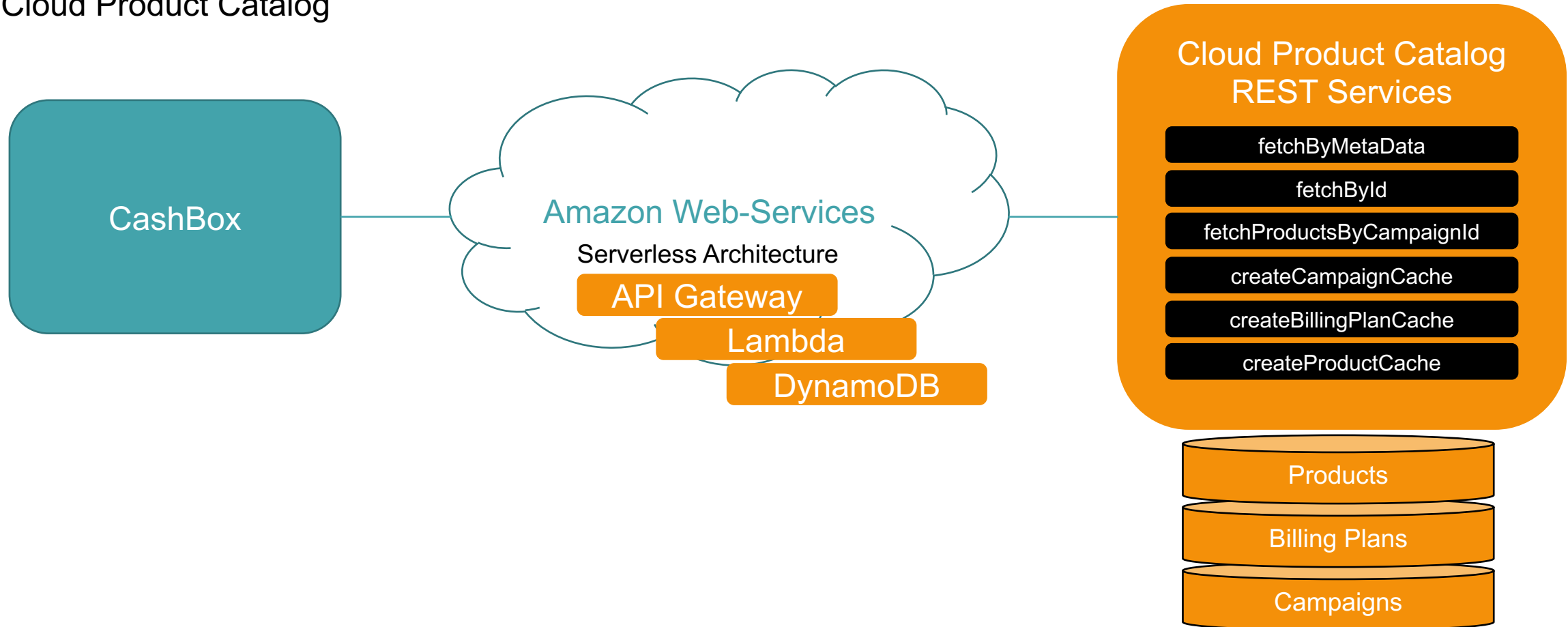
➤ CB4E-2-001

- 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	https://z0i9foi7x6.execute-api.us-west-1.amazonaws.com/beta/create-product-cache	
URL Attributes	Not Applicable	
Body Attributes	credential	Your CashBox credentials is the format “<username>:<soapPassword>” – this is the same format you would use when calling CashBox REST APIs
	environment	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	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	statusCode	200 on success
	productCacheName	Returns the name of the cache that was created or updated
	environment	Returns the environment used in the creation or update of the cache

REST API: createBillingPlanCache

Description	Instantiates or updates the Billing Plan cache.	
End Point	https://z0i9foi7x6.execute-api.us-west-1.amazonaws.com/beta/create-billing-plan-cache	
URL Attributes	Not Applicable	
Body Attributes	credential	Your CashBox credentials is the format “<username>:<soapPassword>” – this is the same format you would use when calling CashBox REST APIs
	environment	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	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	statusCode	200 on success
	billingPlanCacheName	Returns the name of the cache that was created or updated
	environment	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	https://z0i9foi7x6.execute-api.us-west-1.amazonaws.com/beta/create-campaign-cache	
URL Attributes	Not Applicable	
Body Attributes	credential	Your CashBox credentials is the format “<username>:<soapPassword>” – this is the same format you would use when calling CashBox REST APIs
	environment	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	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	statusCode	200 on success
	campaignCacheName	Returns the name of the cache that was created or updated
	environment	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	https://zb67hifyq9.execute-api.us-west-1.amazonaws.com/prod/campaign/fetchproductsbycampaignid	
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	https://9vd0j92jya.execute-api.us-west-1.amazonaws.com/prod/product-catalog/fetchbymetadadata	
URL Attributes	cacheName	The Product or Billing Plan cache you wish to search Note: Campaign cache does not support MetaData
	environment	The Environment you wish to search within the cache
	name	The MetaData Name value that you are filtering on
	value	The MetaData Value value you are filtering on
Body Attributes	Not Applicable	
Return Attributes	statusCode	200 on success 400 on missing URL attributes 500 on cache does not exist
	response	Returns an array of Products or BillingPlans matching the search parameters
	cacheName	Returns the cacheName used in the search
	environment	Returns the environment used in the search

REST API: fetchById

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

CashBox for Entertainment - CB4E-2-001

Links to Source Code

Asset Name	Source Destination	Source Language	Link
createProductCache	Lambda	Python 2.7	https://github.com/Vindicia/CB4E-Code-Repository/tree/master/CB4E-2-001
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 Exntertainment 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 smiling woman with dark hair and black-rimmed glasses is the central focus of the image. She is wearing a grey t-shirt and looking directly at the camera. The background is a blurred office environment with other people working at desks.

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merci
Dank e grazie
ありがとう
gracias 謝謝

Thank you
obrigado