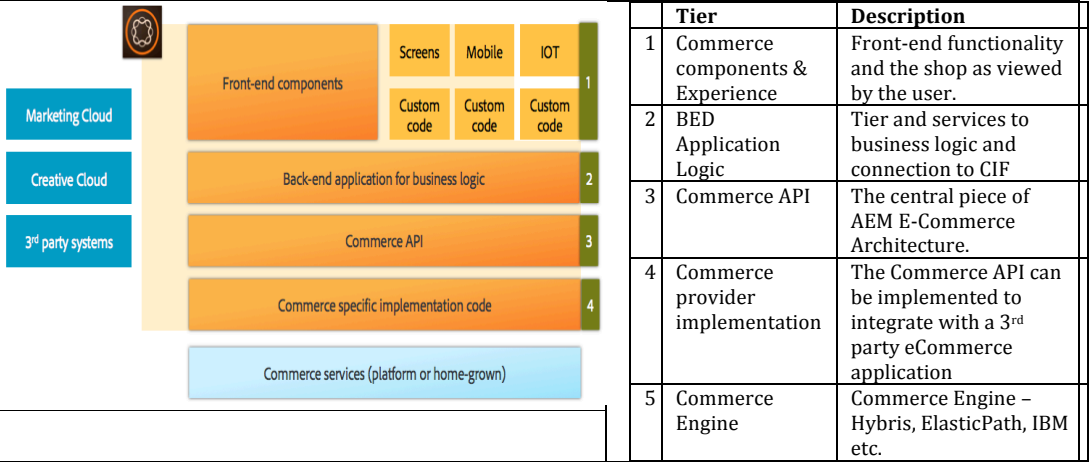


EM Commerce Integration Framework – Cheat sheet

EM Commerce Architecture



Key Terms and JCR Location

Term	Description & Example	Location and key properties
Product	Basic item in the shop. Ex: Apple iPhone6	/etc/commerce/products cq:commerType = product
Variant Axis	Fine-grained property of a product Color or Size etc. Ex: Apple iPhone 6S Space Grey	/etc/commerce/products cq:productVariantAxes=color, or size or any variant
Variant	SKU - One or more variant axis specified. Ex: Apple iPhone 6S Space Grey 64GB	/etc/commerce/products cq:commerType = variant
Shopping Cart	Intend to buy item (product or variant)	
Checkout	Completed shopping, proceed to checkout	
Promotion	Discount on specific requirement. AEM Segments.	
Voucher	cq page based on voucher template	Stored under - /content/campaigns /libs/commerce/components/voucher
Order	All commerce orders in AEM	/etc/commerce/orders
Payment methods	VISA or Master card etc.	/etc/commerce/payment-methods
Shipping methods	All shipping methods	/etc/commerce/shipping-methods
Product Information Management (PIM) Cache	Product information from a commerce engine.	/etc/commerce/products
Catalog blueprint	Blueprint page and structure for the LIVE pages	/content/catalog
Catalog Tempaltes	Template used by Blueprint.	/content/catalog
Catalog	Generated LIVE Copies from Blueprint and Tempaltes	/content/
AEM Default Commerce Comp.	Location for all components for Commerce	/libs/commerce/components
AEM Commerce ContextHub	Location for ContextHub used for Commerce	/libs/commerce/contexthub
AEM Commerce Templates	Location for all the default templates used to build commerce store	/libs/commerce/templates

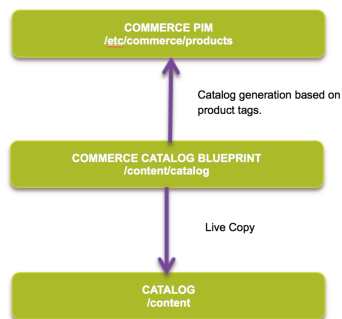
AEM Commerce Bundle, Packages and API

Bundles		Packages
cq-commerce-core	Core commerce Functionality	com.adobe.cq.commerce.api com.adobe.cq.commerce.api.promotion com.adobe.cq.commerce.common com.adobe.cq.commerce.common.promotion com.adobe.cq.commerce.pim.api
cq-commerce-pim	PIM related classes	

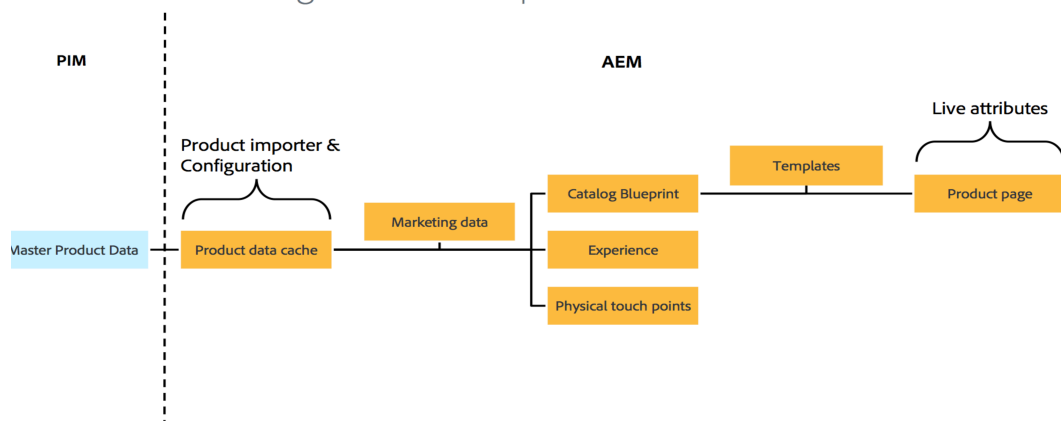
Classes & Functionality

CommerceServiceFactory	OSGi entry point into the commerce provider.	getCommerceService() commerceProvider => cq:commerceProvider in JCR node
CommerceService	Root of the Commerce API	login() – Login based on data search(CommerceQuery) Perform search getProduct(String) - Direct access to PIM in JCR
CommerceSession	- Represents a user's shopping session. - Access product price - Any promotions and vouchers - current orders - User locale	loadProduct loadVoucher loadPromotion loadCart() saveCart() setUserLocale getAvailableCountries getAvailableShippingMethods getAvailablePaymentMethods getProductPriceInfo getCartPriceInfo addCartEntry doAddCartEntry modifyCartEntry deleteCartEntry doCalcEntry calcCart getActivePromotions addPromotion addVoucher getOrderDetails savePlacedOrderShopperRecord getPlacedOrders
CommerceSession.CartEntry	product with a given quantity in the user's shopping cart	.getPrice() .getProduct() .getQuantity()
CommerceQuery	instances should be generated with the CommerceQuery.Builder class.	.addVoucher() .deleteCartEntry() .getCartPrice() .getOrder() .getProductPrice()
CommerceResult		.getOriginalQuery() .getPaginationInfo()

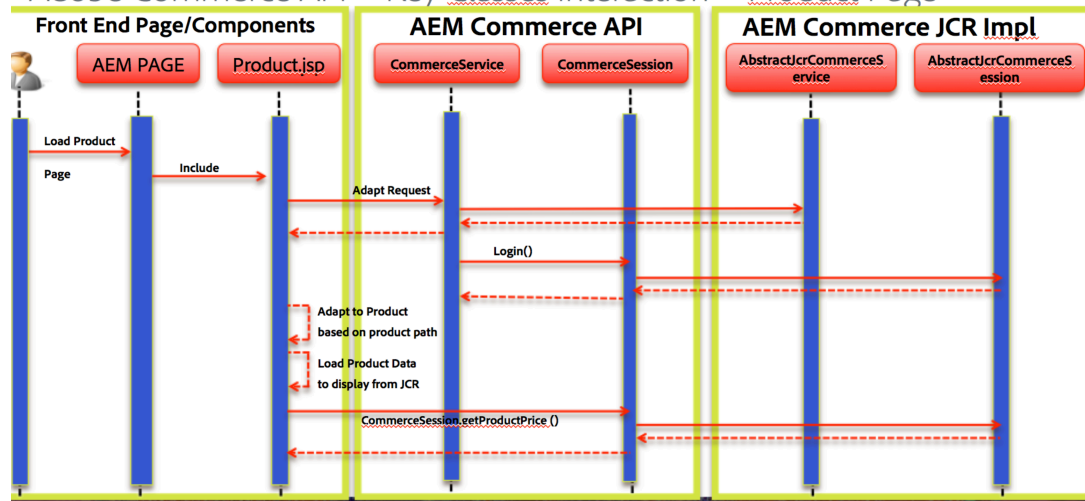
## AEM Commerce – Catalogue Management



## Workflow – Creating Commerce Experiences



## Adobe Commerce API – Key Classes Interaction – Product Page



## AEM Commerce Bundle, Packages and API – Cont...

### Classes & Functionality

PromotionManager	Manages promotions and vouchers implemented in the JCR repo.	.getPromotionsMap() .getVoucher() .getHandler()
PriceInfo	Provides information about prices for products and cart line items.	.getAmount() .getQuantity() .getCurrency()
Product	Reflects resources that represent products and their variants. Class is adaptable from resources with sling:ResourceType commerce/components/product.	.getPagePath() .getTitle() .getDescription() .getThumbnailUrl() .getImage() .getAsset() .getProperty()

## AEM CIF – Extension Model

Note: Classes with prefix **Summit** in the class diagram below shows how to extend CIF.

