



Sitecore Experience Commerce

Product Import

valtech.



Guido

.Net Developer

5+ years Sitecore

Sitecore Commerce since 9.0 preview

valtech.



Agenda

1. How does Sitecore Commerce work?
2. What do we want the import to contain?
3. Where to start?
4. How?
5. QA

Commerce Foundation



Entities



Components



Pipelines &
Pipeline Blocks



Policies



Commands



Minions

The import features

- + Import products from a PIM
- + Create a catalog structure
- + Add custom product properties
- + Add images
- + Stick to the Sitecore Commerce basics

Where to start?

1. Read the documentation



Where to start?

1. Read the documentation
2. Search on Google



Where to start?

1. Read the documentation
2. Search on Google
3. Figure it out yourself..



**Good code is its own best
documentation.**

Steve McConnell

(author of some engineering book)

Architecture insights

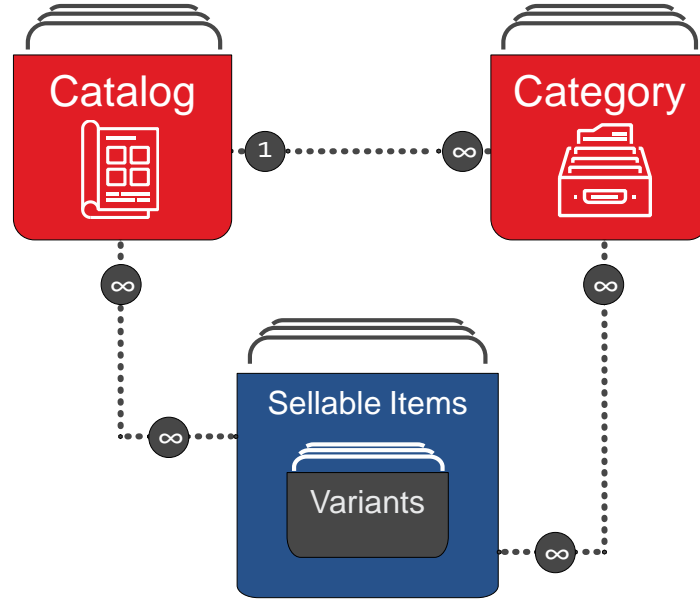
- + Sitecore communicates with Commerce through API's
- + API Controllers never run Pipelines
- + Minions can watch Lists
- + Entity specific and generic pipelines are available
 - + IGetCatalogPipeline
 - + IFindEntityPipeline
- + Sitecore Commerce uses the Sitecore OData API to get items (translations and settings)

Database tables

For example the SharedEnvironments.CatalogEntities table

	Id	EnvironmentId	Version	EntityVersion	Published	Entity
1	Entity-RelationshipDefinition-CatalogToCategory	78A1EA61-1F37-42A7-AC89-9A3F46D60CA5	1	1	1	{"Stype":"Sitecore.Commerce.Plugin.Catalog.Relati...
2	Entity-RelationshipDefinition-CatalogToSellableItem	78A1EA61-1F37-42A7-AC89-9A3F46D60CA5	1	1	1	{"Stype":"Sitecore.Commerce.Plugin.Catalog.Relati...
3	Entity-Category-Habitat_Master-Desktops	78A1EA61-1F37-42A7-AC89-9A3F46D60CA5	1	1	1	{"Stype":"Sitecore.Commerce.Plugin.Catalog.Categ...
4	Entity-RelationshipDefinition-PriceBookToCatalog	78A1EA61-1F37-42A7-AC89-9A3F46D60CA5	1	1	1	{"Stype":"Sitecore.Commerce.Plugin.Catalog.Relati...
5	Entity-RelationshipDefinition-InventorySetToInventoryIn...	78A1EA61-1F37-42A7-AC89-9A3F46D60CA5	1	1	1	{"Stype":"Sitecore.Commerce.Plugin.Catalog.Relati...
6	Entity-SellableItem-8b5badd2da4d461ebc354a92c088...	78A1EA61-1F37-42A7-AC89-9A3F46D60CA5	3	1	0	{"Stype":"Sitecore.Commerce.Plugin.Catalog.Sellab...
7	Entity-SellableItem-1213660cfd0b4de689151edb332e6	78A1EA61-1F37-42A7-AC89-9A3F46D60CA5	3	1	0	{"Stype":"Sitecore.Commerce.Plugin.Catalog.Sellab...
8	Entity-SellableItem-3189bcd4c4a4673a133c7628a01...	78A1EA61-1F37-42A7-AC89-9A3F46D60CA5	3	1	0	{"Stype":"Sitecore.Commerce.Plugin.Catalog.Sellab...
9	Entity-SellableItem-b3f7685bb5f541ed8bb2d85f8bdf4fe8	78A1EA61-1F37-42A7-AC89-9A3F46D60CA5	3	1	0	{"Stype":"Sitecore.Commerce.Plugin.Catalog.Sellab...
10	Entity-SellableItem-90b4eaf325844b06a380274d0df9a	78A1EA61-1F37-42A7-AC89-9A3F46D60CA5	3	1	0	{"Stype":"Sitecore.Commerce.Plugin.Catalog.Sellab...

Catalog structure



Creating a catalog

Cmd

Sync Catalog Command

Pipelines

Sync Catalog Pipeline

Get PIM Data

Get or Create Catalog

Exists?

Get Catalog Pipeline

Create Catalog Pipeline

Create or Update Categories

Exists?

Get Category Pipeline

Create Category Pipeline

Add Products to List

For each product

Add List Entities Pipeline

Synchronizing a product

Minions

Synchronize Products
Minion

Pipelines

Sync Product Pipeline

Get PIM Data

Get or Create SellableItem

Exists?

Get SellableItem Pipeline

Create SellableItem
Pipeline

Add Properties

Add Variants

Add Images

Adding custom properties

Extend entities schema

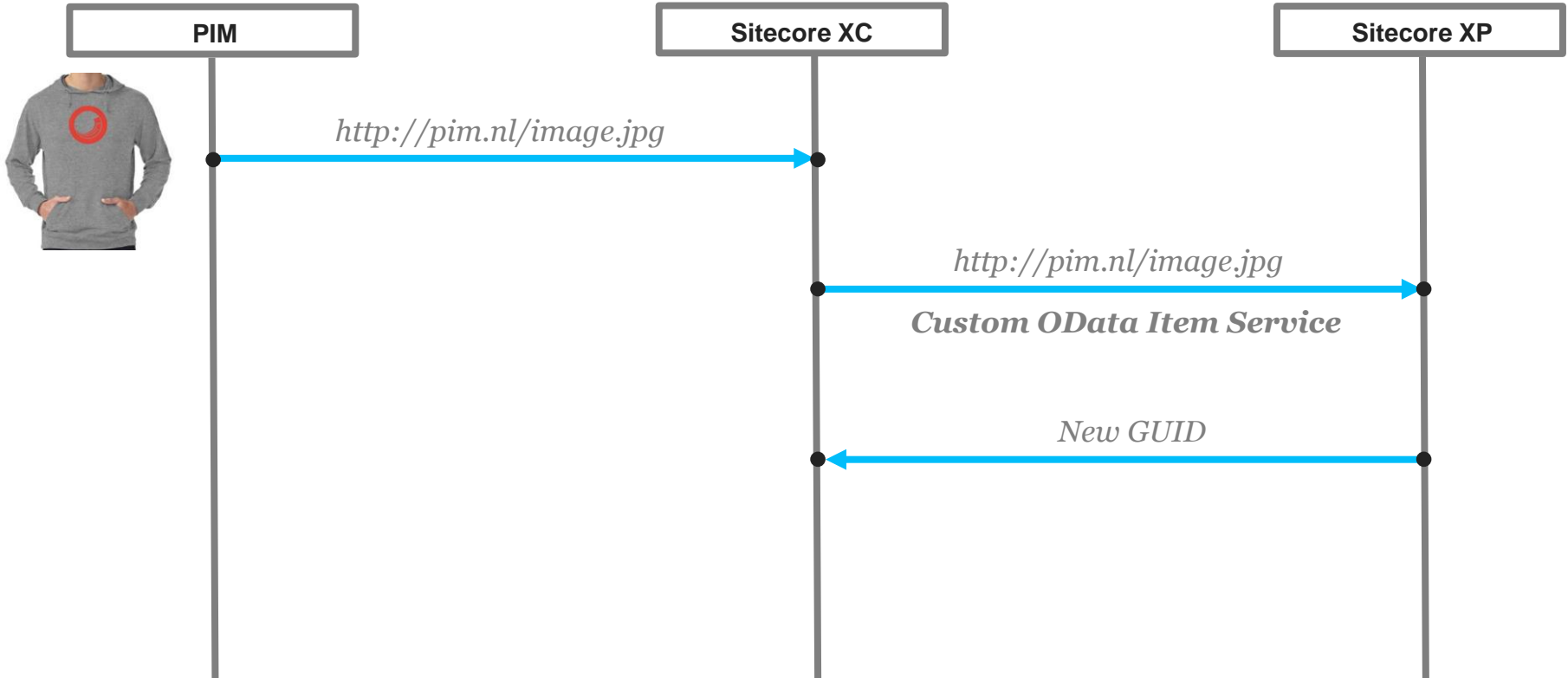
- + Pros:
 - + Translatable
 - + C# models
- + Cons:
 - + Hard coded
 - + All entities of that type have the same fields

Composer templates

- + Pros:
 - + Very extensible
 - + Add fields from BizFx tools
- + Cons:
 - + Not translatable
 - + Not documented

Adding images

ImagesComponent needs the Media Item ID from Sitecore



I screwed up

What now?



(Don't forget to initialize the environment)

valtech_

Recap

Recap

What we have seen today

- + Sitecore Experience Commerce has a great architecture
- + Extend entities using components
- + No (usable) documentation
- + A lot of questionable decisions

ONE DOES NOT SIMPLY

DEVELOP COMMERCE

Questions?

Helpful links

- + Extending entity schema: <https://kb.sitecore.net/articles/083614>
- + Entity Composer BizFx example: https://community.sitecore.net/technical_blogs/b/technical-marketing/posts/experience-commerce-entity-composer
- + Example code: <https://github.com/GuidovTricht/SitecoreCommerceProductImportExample>

thank you_