

## Product Catalogs

You take any eComm site – There will be mainly 2 important things: -

1) Products

2) Content

For product purpose – We will have “**Product Catalogs**”.

SAP Comm provides “**OOTB**” Data models [“Catalogs ... Categories ... Products ... Classifications ....”] for product modeling.

We do **not remove** any “SAP Comm” provided data models if something is not required for your client.

We can **add additional** attributes specific to your client site. “SAP Comm” is giving flexibility for this.

Assume that – Product table is given for us with 45 Cols.

**Q1** = Are we going to use all those 45 Cols for your company? = May / May not be.

==== If we don't want any table (or) columns for your company then do not remove those [instead just leave those].

**Q2** = Do you think that “SAP Comm” provided 45 Cols sufficient for your company? = We may add more.

==== “SAP Comm” giving is the flexible flexibility to add / modify Col (or) add / modify tables.

SAP Comm also provides – **OOTB features** – For “i18N Features / Internalization”: -

**Q** = What are the **OOTB – Core i18N** Features in Hybris?

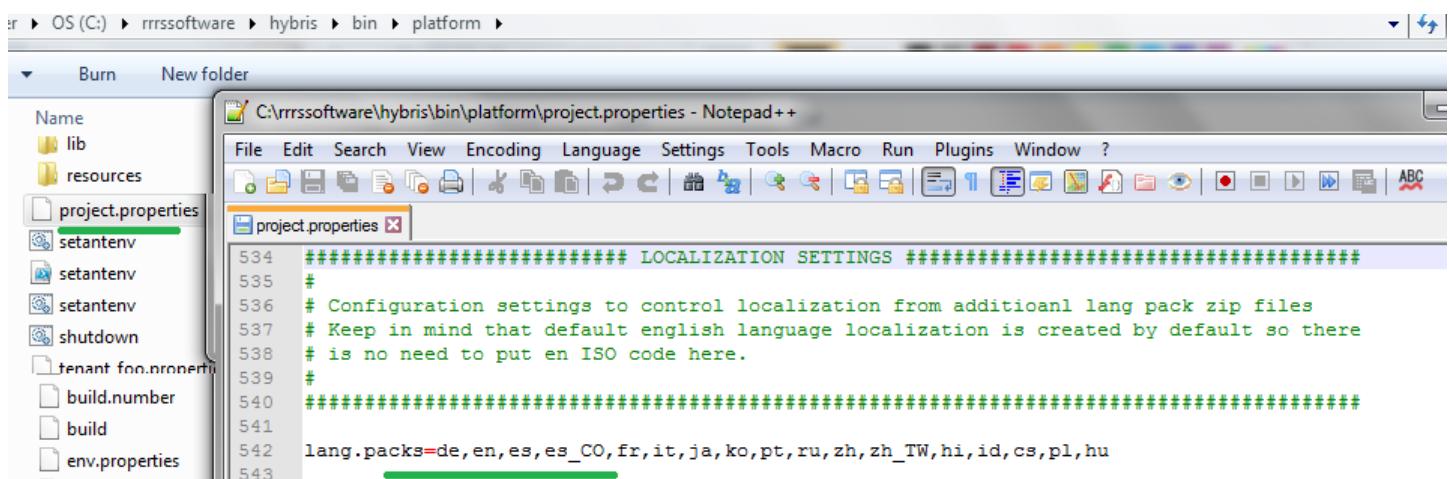
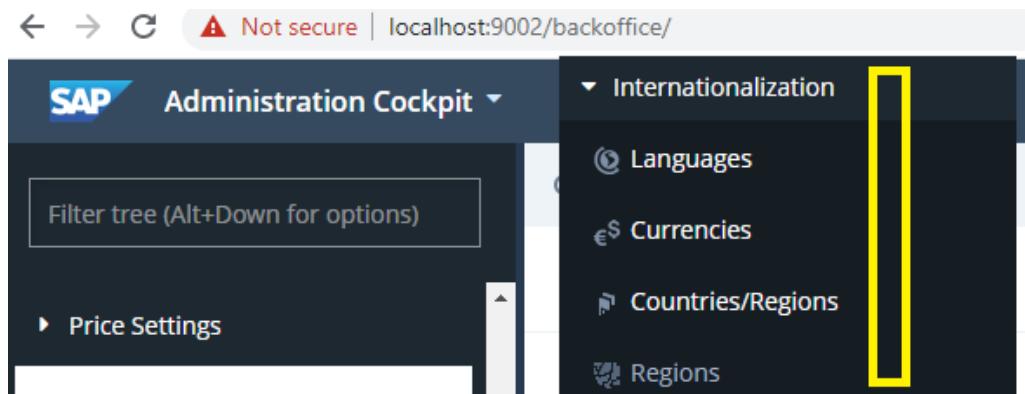
1) Languages                    2) Countries

3) Regions

4) Currencies

5) Number Formats / Number Series and .....

**From Backoffice =**



**Note = hMC** is the tool available till **6.6** version.

From Hybris 6.7, there is no hMC (**deprecated**).

== So, **hMC** alternate is **Backoffice**.

**Scenario** = You arrived into Restaurant & I am giving below menu. Are U happy with this?

### Restaurant - Menu = eComm – Catalog

C 65	Sweet Po	Veg M
Gobi 65	Curd R	Pickle C.
B. Milk	Pepsi	Soda
M 65	Veg M.	
Kova	M 2020	
Veg B	Water	
Chi B	Naan	
Mu B	Chi C	
Panner	Chi M	

C 65  
Gobi 65      Are you happy with this  
B. Milk      Menu = No.  
M 65      Why?  
Kova      If you Veg guy then  
Veg B      what is the point of  
Chi B      visiting Non Veg items.  
Mu B  
Panner      If you want to take  
Sweet Po      some sweet, then what  
Curd R      is the point of visiting  
Pepsi      Veg & Non-Veg items.  
Veg M.  
M 2020      That means, in this  
Water      case, we are searching  
Naan      for items like Linear  
Chi C      Search Algorithm.  
Chi M  
Veg M      Linear Search Algo.  
Pickle C.      Complexity = O(N)  
Soda

Note: - Whenever we design menu, you need to design such way that, user should reach the items in shortest path (Like -- Binary Search Algo =  $O(\log n)$ ).

**Q = Then what is the Solution?**  
**Ans =**

Menu: -	Veg	Non-Veg
	Starters	Starters
	====	====
	Main Course	Main Course
	====	====
	Desserts	Desserts
	====	====

In above – We created menu like **linear search algorithm [O(N)]**.

That means, we are visiting all items (Longest path). **Complexity = O(N)**.

**Q =** What should be our goal [What we should keep in our mind) to design good menu / catalog?

We need to design the menu such way that, user / customer should reach the items in **Shortest Path** (like – **Binary Search Algorithm**).

Binary Search Algorithm Complexity = **O ( $\log n$ )**

**Scenario =** You have lots of money.

You want to buy Samsung TV.

You went store. In Store there are Samsung TV.

Store people are ready to sell. Can U buy Samsung TV? = **No.**

Q1 = He will ask, What Samsung TV (LCD, LED / 4K)? = **4K**

Q2 = He will ask, Samsung TV 4K with 32Inch, 64Inc ....? = **64 Inc**

Q3 = He will ask, Samsung TV 4K 64 Inc with Curve ... / Normal... = **Curve**

==== You will be able to buy a product with variants.

That means – Variant product is sellable.

**Q =** Can we have eComm site where base products sellable?

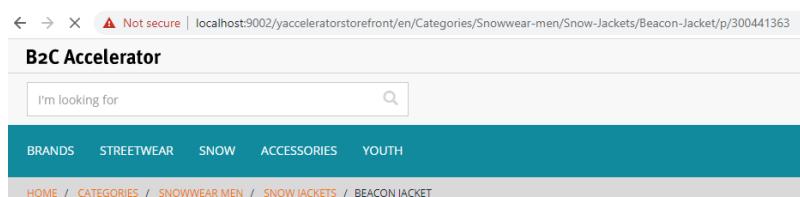
Ans = Yes.

**General conclusion =**

Category page [PLP] = Will have base products.



Product page [PDP] = Will have variant products.

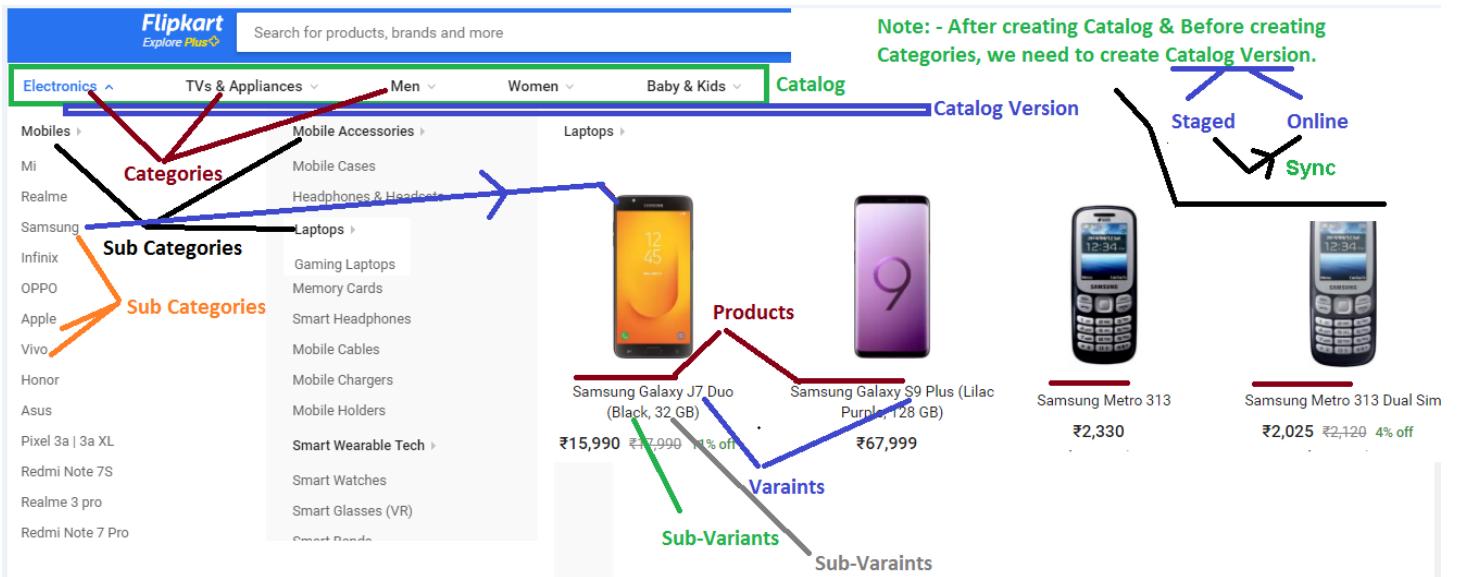


Product review summary

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**Q = What are the “Product Catalog” Jargons?**

- 1) Catalog = Product Catalog, Content Catalogs & Classification
- 2) Catalog Version = Staged & Online
- 3) Categories
- 4) Sub Categories = We can have N number sub categories
- 5) Products
- 6) Variants
- 7) Sub Variants = We can have N number sub variants
- 8) Sync = Can be **manually** (or) Can be by using **Cronjobs**

**Note** = In SAP Comm, we can see option create categories.

There is **no option** for us to create the **Sub-Categories**.

In SAP Comm = All Sub-categories also simply **categories**. But for sub-categories you mention **super-category** value.

Means, if any YYY category having super category value mentioned, then that YYY is called “**Sub-Category**”.

In eComm world → We can have “N Number of Sub-Categories”.

**Note** = In SAP Comm, we can see option create Variants.

There is **no option** for us to create the Sub-Variants.

In SAP Comm = All Sub-Variants also simply **Variants**. But for Sub-Variants we will mention “Product Variant” value.

Means, if any YYY Variants having Product Variant value mentioned, then that YYY is called “**Sub - Variant**”.

In eComm world → We can have “N Number of Sub-Variants”.

**Note** = After creating the Catalog, we create “**Catalog Version**”.

**Q1** = Can we create >2 Catalog versions? = Yes

**Q2** = Can we give different name for Catalog version? =

After installing “SAP Comm” – We get “80% Code ... 80% Fun ... 80% Site”. These are using “Staged & Online” concept.

== Follow the best practice = Staged & Online.

**Scenario** = Why we need Catalog versions [Staged & Online]?

Let's say – iPhone 12 is released today.

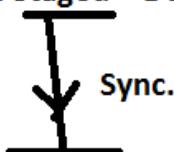
**Q** = Are we putting iPhone 12 directly in eComm Site [Live Site].

(or) 1<sup>st</sup> we create product ... add description ... add price ... add summary ... send it approvals .... Like this we perform many activities & after all those completed then we put in eComm Site [Live Site].

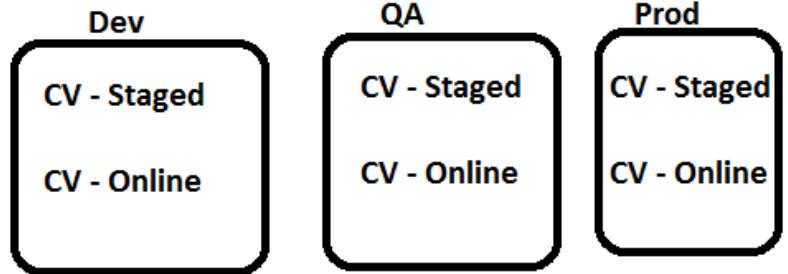
To do all those [Green colored] - We need some place = **Staged**.

Once we feel everything is good then moving Staged version data to Online version is called “**Synchronization**”.

Catalog Version Staged = Dev Env.



Catalog Version Online = Prod Env.



**Scenario** = eComm Site (or) Website uses “**Online version data**”. **Bcoz?**

**Ans** = Product Catalog Version [Online] -- Is active **catalog version** = **TRUE**

Beacon Jacket lime XXL | Snow J... x SAP CX Backoffice

localhost:9002/yacceleratorstorefront/en/Categories/Snowwear-men/Snow-Jackets/Beacon-Jacket/p/300441363

B2C Accelerator Apparel UK Website

I'm looking for

BRANDS STREETWEAR SNOW ACCESSORIES YOUTH

HOME / CATEGORIES / SNOWWEAR.MEN / SNOWJACKETS / BEACON JACKET

Beacon Jacket lime XXL | ID 300441363

Product review summary

★★★★★ | Write a Review

WCMS Website

Page Type

Page Template

Content Slot Re...

Template

Page

Content Slot

SAVED QUERIES

Apparel Site UK

PROPERTIES WCMS PROPERTIES PERSONALIZATION ADMINISTRATION

Base Stores

ID Name

Default Catalog

Apparel Product Catalog

System Catalog Catalogs

Catalog Versions Categories Products Product Variant Types Units

Apparel Product Catalog

COMMON ADMINISTRATION

Catalog Versions

Apparel Product Catalog : Staged

Apparel Product Catalog : Online

+ Create new Catalog version

Edit item Apparel Product Catalog : Online

Apparel Product Catalog : Staged

Apparel Product Catalog : Online

CATALOG VERSION CONTENT CATALOG VERSIONS PERM

ESSENTIAL

Catalog

Apparel Product Catalog

is active catalog version

True False

System Catalog Catalogs

Catalog Versions Categories Products Product Variant Types Units

Apparel Product Catalog

COMMON ADMINISTRATION

Catalog Versions

Apparel Product Catalog : Staged

Apparel Product Catalog : Online

+ Create new Catalog version

Edit item Apparel Product Catalog : Online

Apparel Product Catalog : Staged

Apparel Product Catalog : Online

CATALOG VERSION CONTENT CATALOG VERSIONS PERM

ESSENTIAL

Catalog

Apparel Product Catalog

is active catalog version

True False

**Scenario** = Let's say – we have changes in Staged version & did not perform the Sync. Then how to see the results in storefront which are there in staged version?

That means – Before moving the changes to online ... We want to see the how to staged changes results looks?

**Solution 1** = We can have separate storefront for Staged version data.

**Solution 2** = We change Web Site catalog version to staged temporarily & test results.

**Note** = **Do this only in** Non Prod Env [Dev .. QA ... UAT]. Not in Prod Env.

Not secure | localhost:9002/yacceleratorstorefront/en/Categories/Snowwear-men/Snow-Jackets/Beacon-Jacket/p/300441363

B2C Accelerator

Coming from Online Version data

I'm looking for

BRANDS STREETWEAR SNOW ACCESSORIES YOUTH

HOME / CATEGORIES / SNOWWEAR MEN / SNOW JACKETS / BEACON JACKET

Beacon Jacket lime XXL | ID 300441363

**Step 1** = Do the product changes

Catalog

Catalogs

Catalog Versions

Categories

Products

Product Variant Types

Units

SAVED QUERIES

No queries

+ -

Article Number Identifier Status Catalog version

300441363 Beacon Jacket lime XXL Approved Apparel Product Catalog : Staged

0 ITEMS SELECTED

Beacon Jacket lime XXL [300441363] - Apparel Product Catalog : Staged

REFRESH SAVE

PROPERTIES ATTRIBUTES BUNDLING CATEGORY SYSTEM PRICES MULTIMEDIA VARIANTS EXTENDED ATTRIBUTES REVIEWS STOCK

Article Number Identifier Catalog version Approval

300441363 Chennai RRRS Beacon Jacket lime Apparel Product Catalog : Staged approved

## Step 2 = Go to the Website & see the results

B2C Accelerator

Coming from Online Version data

I'm looking for

BRANDS STREETWEAR SNOW ACCESSORIES YOUTH

Changes are not coming

Beacon Jacket lime XXL | ID 300441363

## Step 3 = Catalog Version [Staged] -- Is active catalog version = TRUE

System

Catalog

Catalogs

Catalog Versions

Categories

Products

Product Variant Types

Units

SAVED QUERIES

No queries

ID Name

apparelProductCatalog Apparel Product Catalog

0 ITEMS SELECTED

Apparel Product Catalog

COMMON ADMINISTRATION

Catalog Versions

Apparel Product Catalog : Staged

Apparel Product Catalog : Online

Create new Catalog versic

Edit item Apparel Product Catalog : Staged

RE Apparel Product Catalog : Staged

Apparel Product Catalog : Online

CATALOG VERSION CONTENT VERSIONS PERMISSIONS ADI

ESSENTIAL

Catalog

Apparel Product Catalog

is active catalog version

True False

## Step 4 = Go to the Website & see the results

B2C Accelerator

Now this website is pointing staged version data

I'm looking for

BRANDS STREETWEAR SNOW ACCESSORIES YOUTH

HOME / CATEGORIES / SNOWWEAR MEN / SNOWJACKETS / BEACON JACKET

Changes are coming

Chenna RRRS - Beacon Jacket lime XXL | ID 300441363

WELCOME CHENNA MY ACCOUNT SITE SEARCH

(5 ITEMS) £2,429.8

## Note = Change Product Catalog Versions in hMC

**Step 1**

**Step 2**

**Step 3**

**Step 4**

**Site is Pointed Online**

**Site is Pointed to Staged**

**Q = Where can we do product catalogs (Creating Catalog, Categories, Products, Variants ...)?**

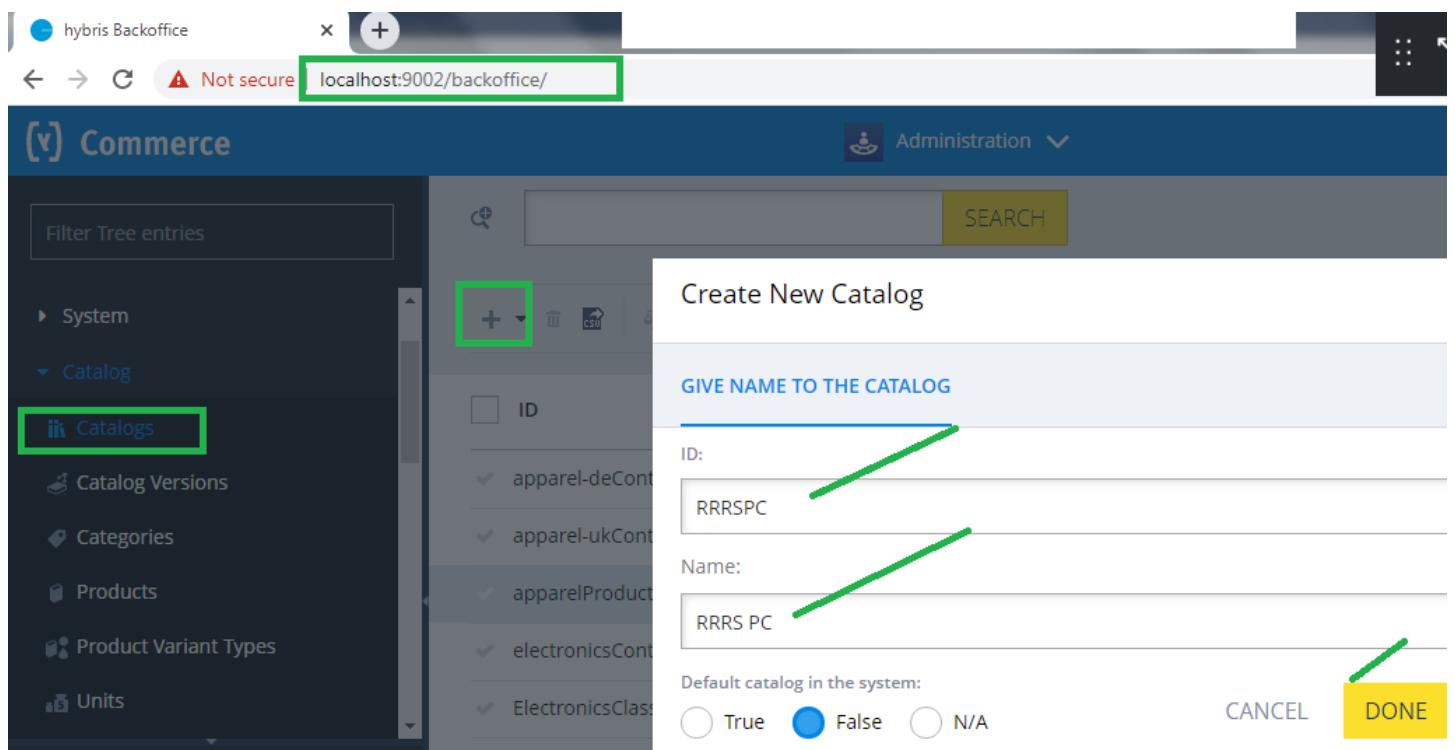
- 1) Backoffice
- 2) Product Cockpit
- 3) ImpEx [Coding]

	<b>Backoffice</b>	<b>Product Cockpit</b>
Product Create Catalog	<b>Yes</b>	No
Create Catalog Version	Yes	Yes
Create Categories	Yes	Yes
Product ... Variants	Yes	Yes
Who uses	Admin / Testing / Fun / Developemnt	Testing / Fun / Business / PM's

## Scenario = Product Catalogs “End – End” Example.



### Step 1 = Create Product Catalog (Name = RRRSPC)



**Note** = Created product catalog (RRRSPC) is stored in DB.

**Q = How to see the tables data? = Example = Catalog table data**

**Solution 1 = Use 3<sup>rd</sup> party tools [Squirrel] & connect to DB.**

The screenshot shows the Squirrel Tool interface. On the left, there's a tree view of database schemas: CAT2PRINCREL, CAT2PRINCREL613SN, CAT2PRODREL, CAT2PRODREL140SN, and CATALOGS. A green arrow points from the 'CATALOGS' node to the main table viewer on the right. The table viewer has tabs for 'Info', 'Content', and 'Row Count'. The 'Content' tab is selected, showing a table with one row. The row contains columns 'C1' and '13'. The 'Row Count' tab shows the value '13'.

**Solution 2 = Backoffice – Node & Sub node**

The screenshot shows the Backoffice interface. On the left, there's a sidebar with navigation items: System, Catalog, Catalogs, and Catalog Versions. A green arrow points from the 'Catalog' item to the main content area. The main content area has a title 'Sol2 = From Backoffice'. It shows a table with two rows. The first row has columns 'ID' and 'Name', with 'RRRSPC' and 'RRRS PC' respectively. The second row has columns 'RRRSPC' and 'RRRS PC', with 'RRRSPC' and 'RRRS PC' respectively. There are icons for adding, deleting, and CSV export at the top of the table.

**Note** = Sometimes we may not have “Node & Sub node” for the table. If this is the case then use **Solution 3**.

**Solution 3 = Backoffice – System - Types**

The screenshot shows the Backoffice interface. On the left, there's a sidebar with navigation items: type, System, Types, Search and Navigation, Indexed Types, Backoffice, Catalog, and Product Variant Types. A green arrow points from the 'System' item to the main content area. The main content area has a search bar with 'catalog' and a 'SEARCH' button. Below it, there's a title 'Sol3 = From Backoffice' and a table with two rows. The first row has columns 'Identifier' and 'Name', with 'Catalog' and 'Catalog' respectively. The second row has columns 'Identifier' and 'Name', with 'apparel-deContentCatalog' and 'Apparel DE Content Catalog' respectively. There are icons for adding, deleting, and CSV export at the top of the table. A green box highlights the 'Results' column header.

## Solution 4 = hAC

The screenshot shows the SAP FlexibleSearch interface. At the top, there are tabs: Platform, Monitoring, Maintenance, and Console, with Console being the active tab. Below the tabs, the title is "FlexibleSearch" and the subtitle is "Sol4 = From hAC". A sub-header "FlexibleSearch query" is followed by the SQL query: "select \* from {catalog}". To the right, the results are displayed under the heading "FlexibleSearch". The search result tab is selected, showing the following details:

- Commit: OFF
- ch: [empty input field]
- Table Headers: ING, PK, SEALED, P\_ID, P\_ACTIVECATALOGVERSION, P\_DEFAULT
- Table Data: One row is shown with values: 8796125823576, RRRSPC, and 0.

## Soltuion 5 = Product Cockpit

The screenshot shows the SAP Product Cockpit interface. At the top, there is a browser header with back, forward, and refresh buttons, and a warning message: "⚠ Not secure | localhost:9002/backoffice/". The main title is "Product Cockpit". On the left, there is a vertical navigation bar with icons for All catalogs, Products, and other modules. The "All catalogs" section is expanded, showing a tree structure:

- RRRS PC (selected)
- Staged
- Online

A large green checkmark is drawn over the "RRRS PC" node. A green annotation "Sol5 = Product Cockpit" is overlaid on the screen, pointing towards the catalog tree.

## Step 2 = Create Catalog Versions [Staged & Online].

Create New Catalog version

GIVE NAME TO THE CATALOG VERSION

Catalog Version:

Staged

Catalog:

RRRS PC

DONE

**Note** = Repeat above step for Online Version also.

**Results** =

Catalog	Catalog Version	is active catalog versi...
RRRS PC	Online	false
RRRS PC	Staged	false

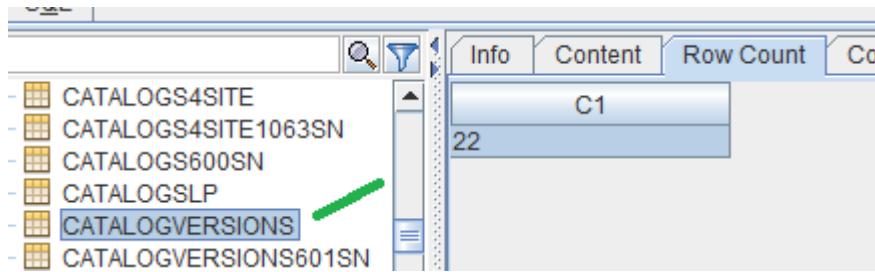
**Note** = Now it's time to make 1 catalog version as **active = true**.

Whatever catalog version is **active = true**, that is used by the **Website**.

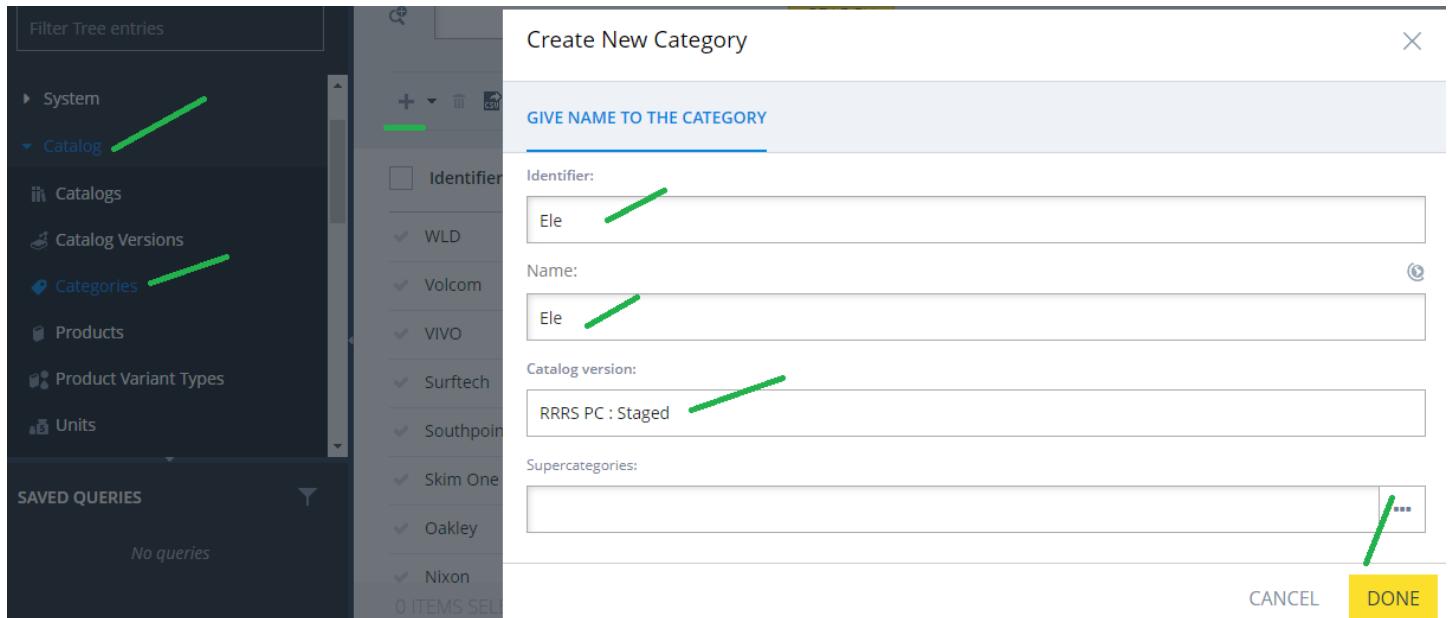
Generally, we have made “**online version**” as **active = true**.

Catalog	Catalog Version	is active catalog versi...
RRRS PC	Online	true
RRRS PC	Staged	false

**Note** = Created catalog version will be stored “CatalogVersions” table.

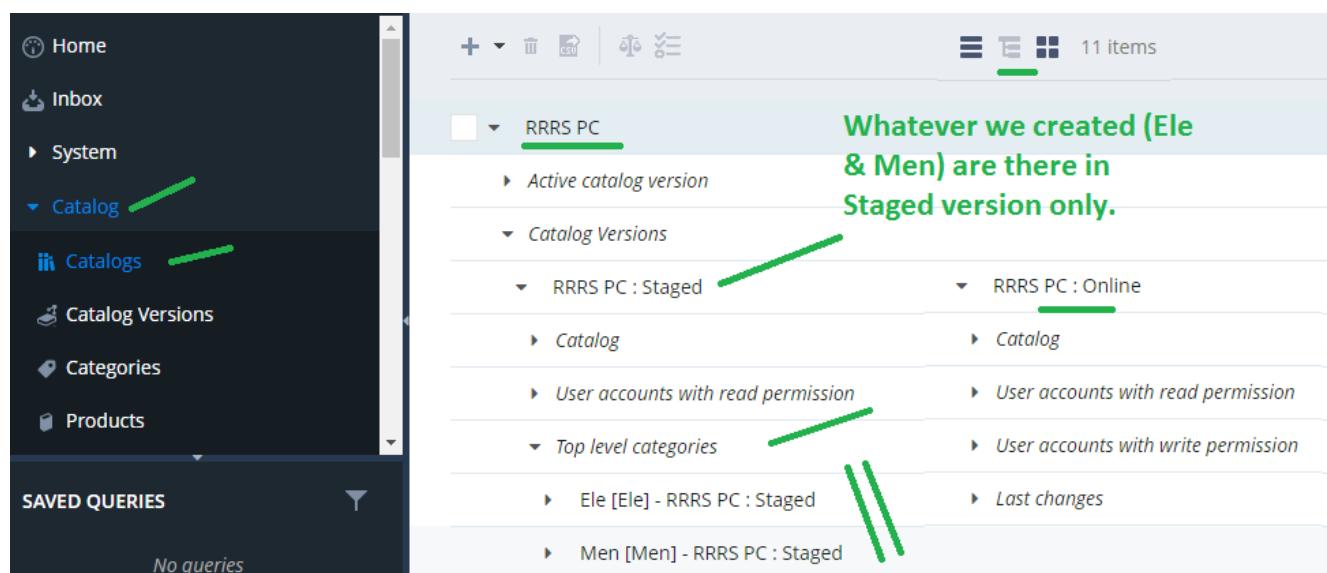


**Step 3** = Create 2 Categories (Name those as = Ele & Men)



**Note** = Repeat this step for creating Men Category also.

**Results** =



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## Step 4 = Create 2 Sub-Categories (Name those as = **Mobiles & Laptops**).

Keep these sub-categories under **Electronics** category.

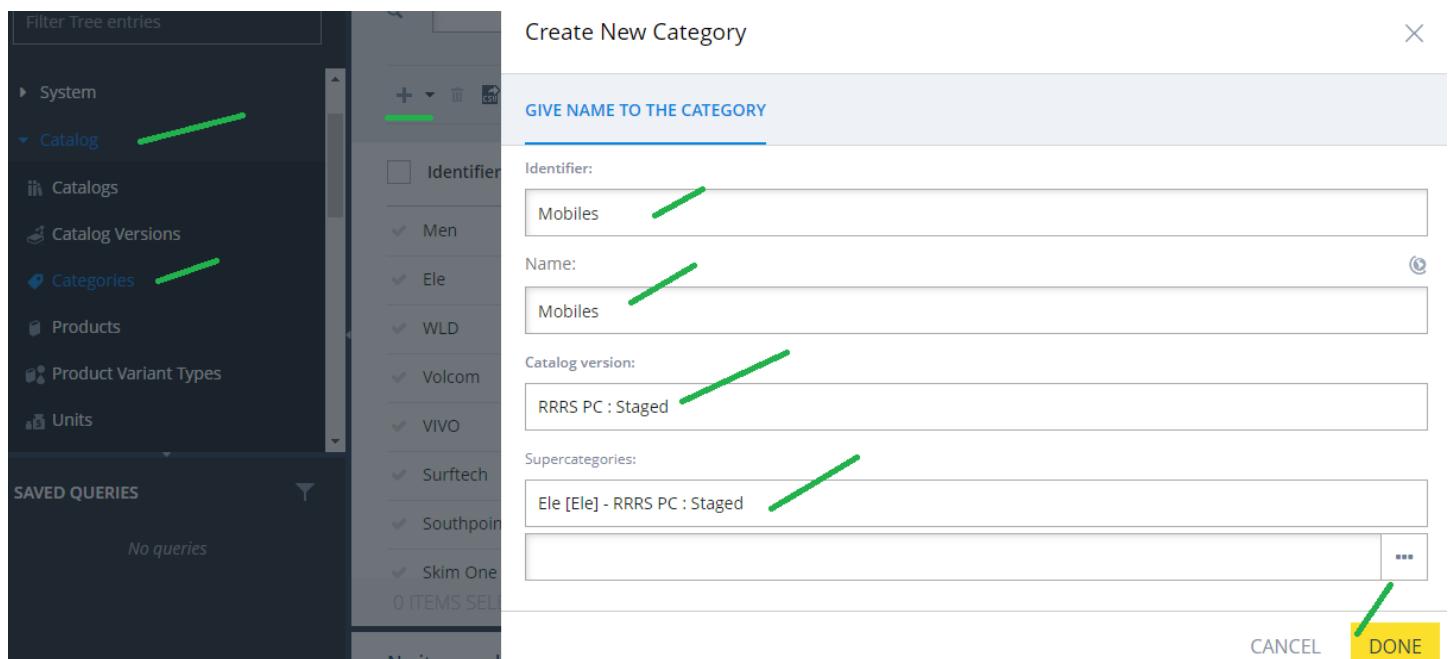
**Note** = In SAP Comm we don't see option to create Sub-Categories.

In SAP Comm – All Sub-Categories (SC) also simply called as Categories.

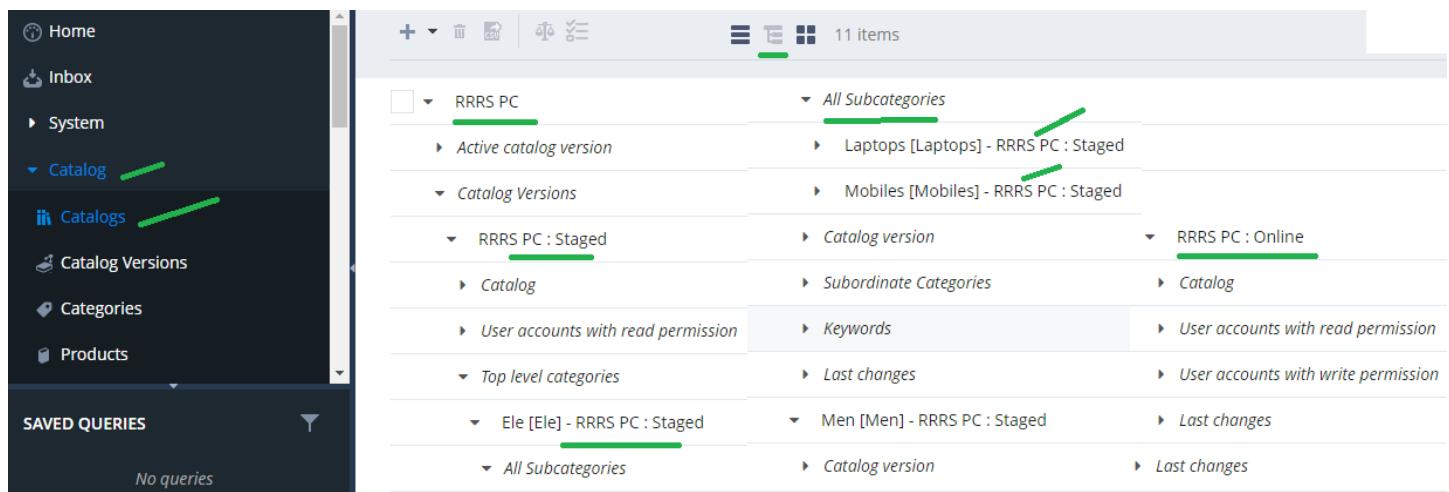
While creating YYY category, if we specify Super Categories value: -

Then -- YYY is called as "**Sub – Category**".

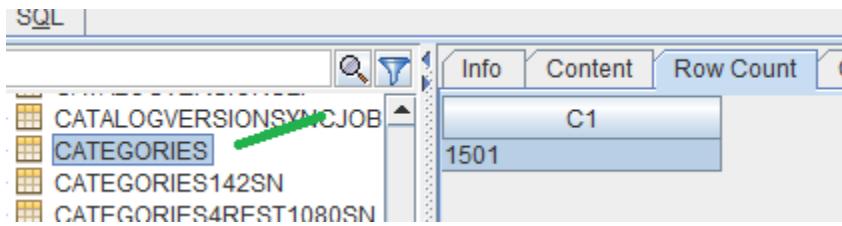
Else – YYY is called as "**Category**".



**Note** = Repeat this step for creating "**Laptops**" Sub-Category also.

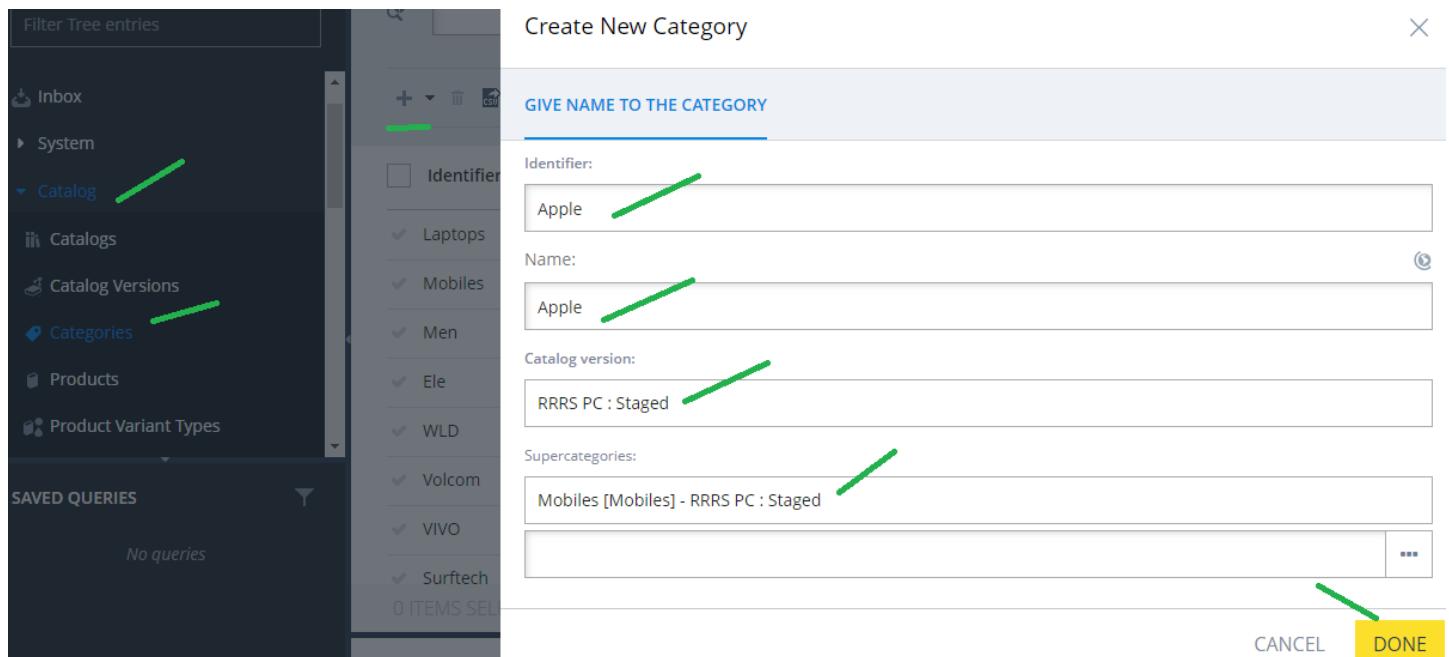


**Note = Categories & Sub-Categories --- Both will be stored in “Categories” table only.**

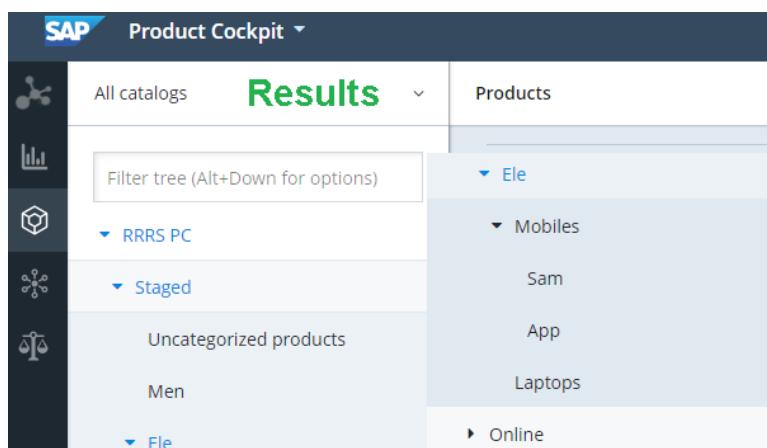


**Step 5 = Create another 2 Sub-Categories (Name those as = App & Sam).**

Keep these sub-categories under **Mobile** Sub-Category.



**Note = Repeat above step for creating another sub-category = Sam**



## Step 6 = Create 2 Products (Name those as = SGalax & SNote).

Keep these products under “Samsung” sub-category.

Create New Product

Article Number: SGalax

Approval: check

Catalog version: RRRS PC : Staged

ESSENTIALS All required fields > DESCRIPTION Identifiers and descriptions > CATEGORIZATION Assign to categories > MEDIA Create media content

CANCEL NEXT DONE

DESCRIPTION Identifiers and descriptions

Identifier: SGalax

Description:

Creating 1st Product

Normal **B** **I** Source

ESSENTIALS All required fields > DESCRIPTION Identifiers and descriptions > CATEGORIZATION Assign to categories > MEDIA Create media content

CANCEL NEXT DONE

CATEGORIZATION Assign to categories

Please select which categories the product should be assigned

Supercategories: Samsung [Samsung] - RRRS PC : Staged

ESSENTIALS All required fields > DESCRIPTION Identifiers and descriptions > CATEGORIZATION Assign to categories > MEDIA Create media content

CANCEL NEXT DONE

**Note** = Repeat above step for creating another Product = SNote

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## Results =

Article Numb...	Identifier	Status	Catalog version
SGalax	SGalax	● ○ ▲ ⚡	RRRS PC : Staged
SNote	SNote	● ○ ▲ ⚡	RRRS PC : Staged

**Note** = Created Products will be stored in “**Products**” table.

## Step 7 = Create Variant Type [Name = **RRRSPCVT**]

Create New Product Variant Type

**MANDATORY VALUES**

Autocreate:  True  False

Jalo-Only:  True  False

is repository capable:  True  False

Singleton:  True  False

Identifier: **RRRSPCVT**

Supertype:

Time created: May 19, 2021 2:29:54 AM

System type:  True  False

Generate code:  True  False

**Done**

Identifier	OOTB	Name	Extensionname
ApparelSizeVariantProduct	Apparel Size Variant	yacceleratorcore	
ApparelStyleVariantProduct	Apparel Style Variant	yacceleratorcore	
ElectronicsColorVariantProduct	Electronics Color Variant	yacceleratorcore	
GenericVariantProduct	Generic Variant Product	basecommerce	
MockVariantProduct	Mock Variant Product	sapproductconfigservices	

## Step 8 = Create product variants [SGalaxJ5 & SGalaxJ7]

The screenshot shows the RRRS application interface. On the left, a sidebar menu includes 'Catalog' (selected), 'Catalogs', 'Catalog Versions', 'Categories', 'Products' (selected), 'Product Variant Types', 'Units', and 'Keywords'. Under 'SAVED QUERIES', it says 'No queries'. The main area shows a catalog entry for 'SGalax [SGalax] - RRRS PC 1 : Staged'. A modal window titled 'SGalax [SGalax] - RRRS PC 1 : Staged' is open, showing the 'VARIANTS' tab. It lists two variants: 'SGalax' and 'SGalax'. A green arrow points to a 'Save' button. Below the modal, another window titled 'Create New RRRSPCVT' is shown, with a green arrow pointing to a '+ Create new RRRSPCVT' button.

The screenshot shows the 'Create New RRRSPCVT' dialog. It has tabs for 'ESSENTIALS' (selected) and 'DESCRIPTION'. The 'ESSENTIALS' tab requires fields: '[code]' (filled with 'SGalaxJ5'), '[approvalStatus]' (filled with 'check'), and 'Catalog Version' (selected 'RRRS PC 1 : Staged'). The 'DESCRIPTION' tab contains '[name]' (filled with 'SGalaxJ5') and '[description]' (filled with 'SGalaxJ5')). A green arrow points to a 'Next' button, and another green arrow points to a 'Done' button.

Note = Repeat above step for creating another Variant = SGalaxJ7

The screenshot shows the 'Create New RRRSPCVT' dialog again, this time for 'SGalaxJ7'. The 'ESSENTIALS' tab is selected, showing '[code]' (filled with 'SGalaxJ7'), '[approvalStatus]' (filled with 'check'), and 'Catalog Version' (selected 'RRRS PC 1 : Staged'). The 'DESCRIPTION' tab shows '[name]' (filled with 'SGalaxJ7') and '[description]' (filled with 'SGalaxJ7')). A large green arrow points down to the 'Product Variants' list, which now includes 'SGalaxJ5 [SGalaxJ5] - RRRS PC 1 : Staged' and 'SGalaxJ7 [SGalaxJ7] - RRRS PC 1 : Staged'.

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## Step 9 = Create product sub - variants [SGalaxJ5B & SGalaxJ5W]

**Note** = Repeat above step for creating another Variant = **SGalaxJ5W**

**Note** = Like above ... We can create N Number of Sub – Variants.

## Results =

Nothing is in Online version as we did everything in Staged version

## Step 10 = Synchronization (Sync)

The process of moving Staged stuffs (data) into Online – Is called Sync.

Sync we can do in 2 ways: -

- 1) Manually
- 2) Cronjobs

Sync we can do in varies levels: -

- 1) Variant Sync
- 2) Product Sync
- 3) Category Sync
- 4) Catalog Version Sync

**Q1** = Do we need to move always staged data to online (or) we can also online data to staged?

Ans = Yes, we can move online to staged.

But – Generally we follow the best practice = Staged to Online.

**Q2** = Can we move one source [staged] to mulitple targets? = Possible.

### Step 10.1 = Create the Sync Job

The screenshot shows the SAP ERP Catalogs interface. On the left, there's a sidebar with navigation links: Catalogs, Catalog Versions (which is selected and highlighted with a green box), Categories, Products, Product Variant Types, Units, Keywords, and Classification Systems. Below that is a section for SAVED QUERIES with the message "No queries". The main area has tabs at the top: CATALOG VERSION, CONTENT, CATALOG VERSIONS (which is selected and highlighted with a blue box), PERMISSIONS, and ADMINISTRATION. In the center, under CATALOG VERSIONS, there's a table with one row: Catalog: RRRS PC, Catalog Version: Staged. Below the table, a button labeled "RRRS PC : Staged" is highlighted with a green box. At the bottom, there are tabs: CATALOG VERSION, CONTENT, CATALOG VERSIONS (highlighted in blue), PERMISSIONS, and ADMINISTRATION. Under BASIC SETTINGS, there are two sections: "Outgoing catalog synchronization" and "Incoming catalog synchronizations". A button labeled "+ Create new Synchronization" is highlighted with a green box.

Create New Synchronization

**MANDATORY VALUES**

Create new elements:	<input checked="" type="radio"/> True <input type="radio"/> False	Code:	
Exclusive mode:	<input type="radio"/> True <input checked="" type="radio"/> False	Time created:	
Remove missing elements:	<input checked="" type="radio"/> True <input type="radio"/> False	Node group:	
Synchronization source:	RRRS PC : Staged	Nodeld:	
Respect sync. permissions only:	<input type="radio"/> True <input checked="" type="radio"/> False	Retry execution if the job can not executed yet:	<input checked="" type="radio"/> True <input type="radio"/> False
Synchronization target:	RRRS PC : Online	<input type="button" value="CANCEL"/> <input checked="" type="button" value="DONE"/>	

## Results =

System

Catalog

- Catalogs
- Catalog Versions**
- Categories
- Products

SAVED QUERIES

No queries

**Catalog** Catalog Catalog Version

**RRRS PC** Staged

0 ITEMS SELECTED

**RRRS PC : Staged**

CATALOG VERSION CONTENT CATALOG VERSIONS PERMISSIONS ADMINISTRATION

BASIC SETTINGS

Outcoming catalog synchronization Incoming catalog synchronizations

Sync RRRSPC:Staged -> RRRSP...

## Step 10.2 = Do Product Sync & test the results

Catalog Versions

Categories

**Products**

Product Variant Types

Units

Keywords

	Article Numb...	Identifier	Product is not approved [check status]	Status	Base Product Catalog version
<input type="checkbox"/>	SGalax	SGalax		<input type="radio"/> <input type="triangle-up"/> <input type="triangle-down"/> <input type="checkbox"/>	RRRS PC 1 : Staged
<input type="checkbox"/>	SGalaxJ5	SGalaxJ5		<input type="radio"/> <input type="triangle-up"/> <input type="triangle-down"/> <input type="checkbox"/>	RRRS PC 1 : Staged

There is difference between Staged & Online Data.

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## Let's do – Sync

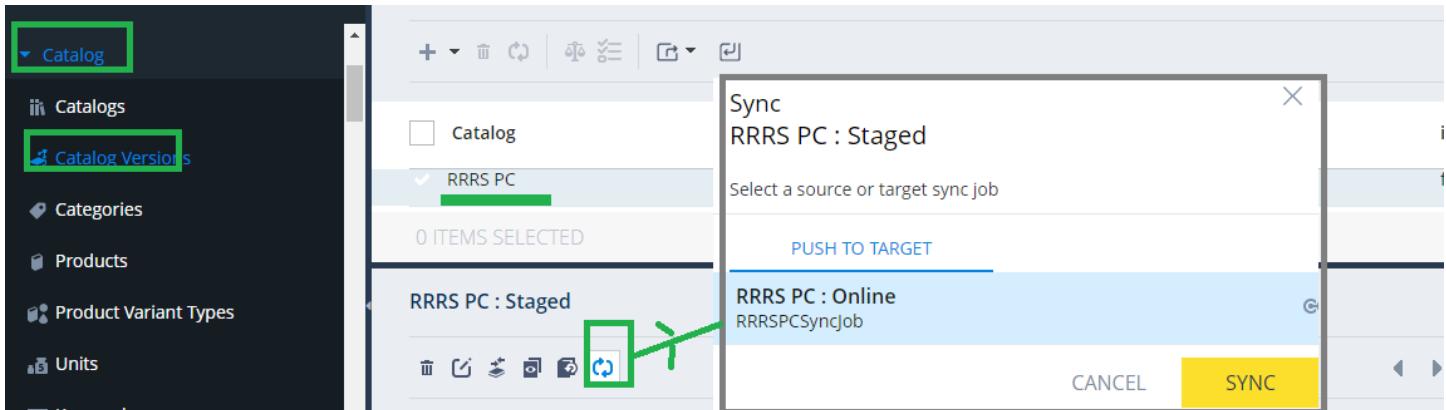
The screenshot shows the SAP Backoffice interface for catalog management. On the left, the navigation tree highlights 'Products'. In the center, a search bar shows 'Galaxy'. To the right, a 'Processes' window displays a successful sync job: 'RRRSPCSyncjob1 : 00000BKU - FINISHED - SUCCESS' with a status of 'Sync Status' and a timestamp of 'finished Wed, May 19, 3:13 AM'. A green circle and arrow highlight the search bar. A green box and arrow highlight the 'Sync' button in the sync dialog.

## Results =

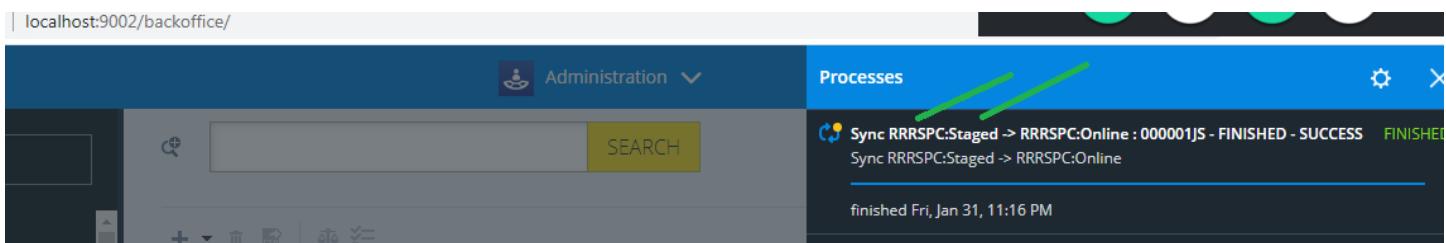
The screenshot shows the SAP Administration Cockpit. The left sidebar highlights 'Products'. The main area shows a search interface with a search bar containing 'Product' and a value 'SGalax'. A green circle highlights the search bar. The results table lists products with 'Article Number' 'SGalax' and 'Identifier' 'SGalax'. A green circle highlights the search result table.

Attribute	Comparator	Value	Sort Order
Article Number	Contains	SGalax	
Article Num...	Identifier		Status Catalog version
SGalax	SGalax	<span style="color: green;">(green circle)</span>	RRRS PC 1 : Staged
SGalax		<span style="color: green;">(green circle)</span>	RRRS PC 1 : Online
SGalaxJ5	SGalaxJ5	<span style="color: green;">(green circle)</span>	RRRS PC 1 : Staged
SGalaxJ5		<span style="color: green;">(green circle)</span>	RRRS PC 1 : Online
SGalaxJ5B	SGalaxJ5B	<span style="color: green;">(green circle)</span>	RRRS PC 1 : Staged

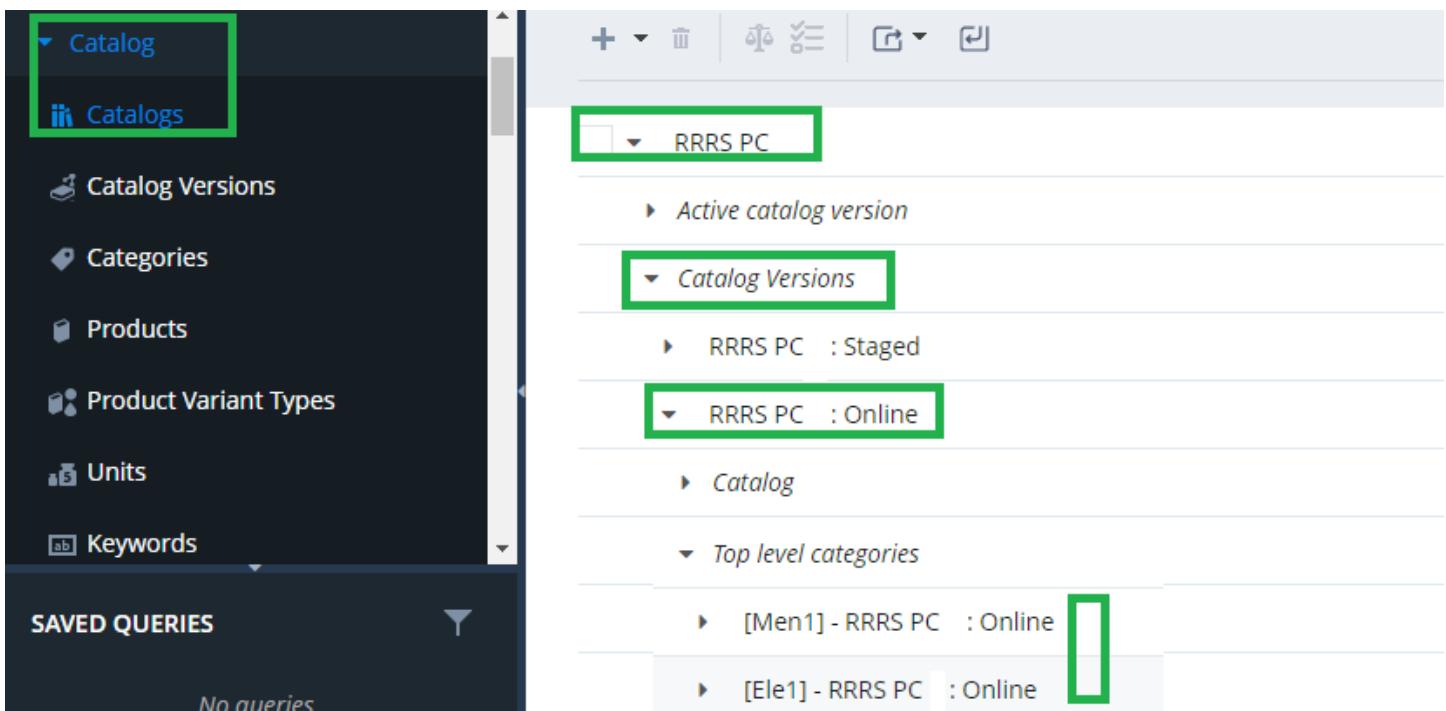
## Step 10.3 = Do Catalog Version Sync & test the results



## Monitor the Sync – Status



## Results =



**Scenario** = We completed created the product catalog [RRRSPC].

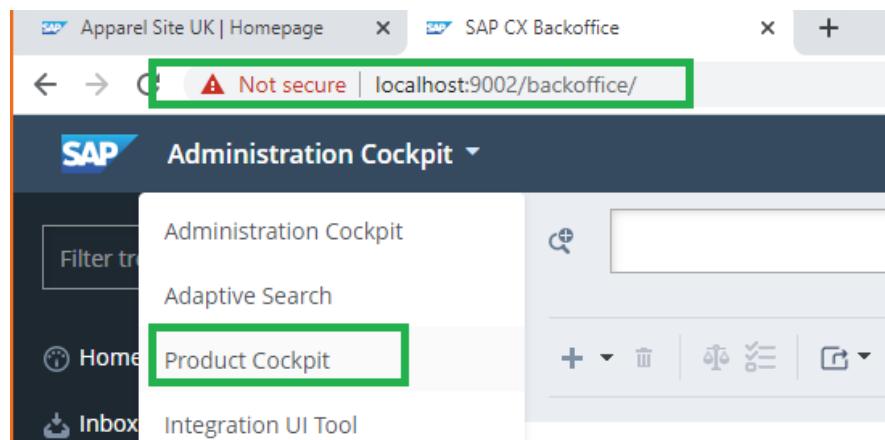
What is the next activity?

Manage the product catalogs.

Manage = Add product / Modify product / Add category / .....

**Q** = In the company, who is responsible to manage the “products & categories” [Product Catalogs]? = Product Managers.

Product Manager uses “**Product Cockpit**”.



**Step 1** = Let's **create user** [product manager] = chennarrrs.

A screenshot of the SAP Administration Cockpit showing the creation of a new employee. The left sidebar has a tree view with "User" expanded, and "Employees" is highlighted with a green box. The main area shows a "Create New Employee" dialog. The "GENERAL" tab is active, showing fields for "ID" (chennarrrs) and "Name" (Chenna RRRS). The "Description" field contains "Chenna RRRS - PM". A large green arrow points from the "Description" field to the word "DONE" at the bottom right of the dialog.

## Step 2 = Set the PWD & make sure user is not disabled

The screenshot shows the SAP CX Backoffice interface. On the left, a sidebar menu is open with 'User' selected. Under 'User', 'Employees' is also selected and highlighted with a green box. The main panel displays the details for a user named 'Chenna RRRS [chennarrs]'. The 'PASSWORD' tab is active. The 'Password Type' dropdown is set to 'Standard'. The 'Change Password' field contains two masked password entries. To the right, there is a 'Disable Login' section with a 'True' radio button and a checked 'False' radio button, indicated by a green checkmark. The 'GENERAL' tab is also visible at the top.

## Step 4 = Assign the Groups

The screenshot shows the SAP CX Backoffice interface. The sidebar menu has 'User' selected, and 'Employees' is also selected and highlighted with a green box. The main panel shows a list of users with one entry: 'chennarrs Chenna RRRS'. Below this, the user details for 'Chenna RRRS [chennarrs]' are shown. In the 'Groups' section, a dropdown menu is open, showing 'Backoffice Product Administrator' and '[employeegroup]'. The '[employeegroup]' option is highlighted with a green box. The 'Description' field contains 'Chenna RRRS - PM'. The 'GENERAL' tab is active at the top.

## Step 4 = Login to Backoffice as “Product Manager” = chennarrs

The screenshot shows the SAP CX Backoffice login page. The URL is 'localhost:9002/backoffice/login.zul'. The form fields are 'Username: chennarrs' and 'Password: .....'. The 'Backoffice Product Manager' radio button is selected. Below the form is a 'PROCEED' button. To the right, the 'Product Cockpit' interface is shown, with a green box highlighting the top navigation bar. The title 'Product Cockpit' is visible.

Note = Now product manager [chennarrs] is able to see only products.

---

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SAP Product Cockpit

RRRS PC

Apparel Product Catalog

- Staged
- Online

**Q = Expected Results?**  
PM [chennarrrs] should see whatever created [rrrspc, staged, online, products....]  
**But --**  
**chennarrrs is not able to see any. Why?**  
**Bcoz -- rrrspc, staged, online, products .... are created by "admin" user.**  
**Right now -- chennarrrs is logged in.**  
**Hence -- Permissions are missing.**

## Step 5 = How to give the **permissions** for PM [chennarrrs]?

Login to backoffice with **admin** user.

--- chennarrrs --- personalization

--- Give read & write permissions.

Multimedia

User

Companies

User Groups

Employees

Customers

Addresses

Titles

SAVED QUERIES

No queries

+

ID Name

chennarrrs Chenna RRRS

0 ITEMS SELECTED

Chenna RRRS [chennarrrs]

GENERAL ADDRESSES PASSWORD ORDERS EMPLOYEE PRICES PERSONALIZATION ADMINISTRATION

Writeable catalog versions

RRRS CC : Staged

RRRS CC : Online

Readable catalog version

RRRS CC : Staged

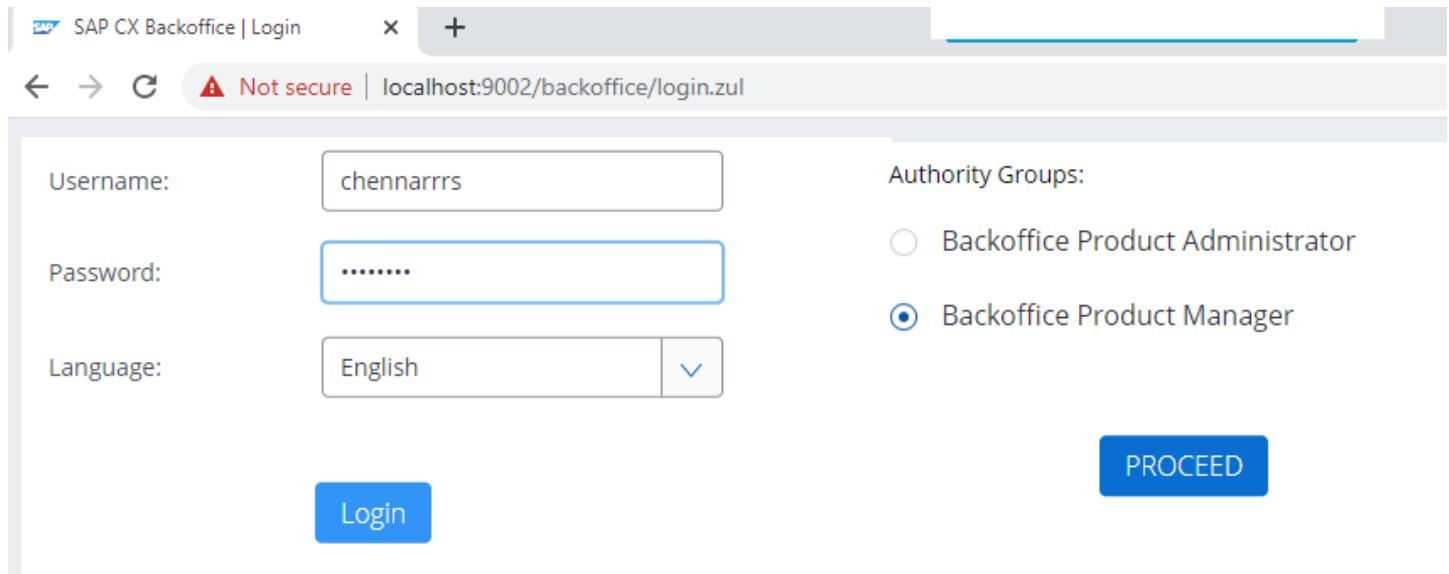
RRRS CC : Online

All writeable catalog versions

default catalog : Staged

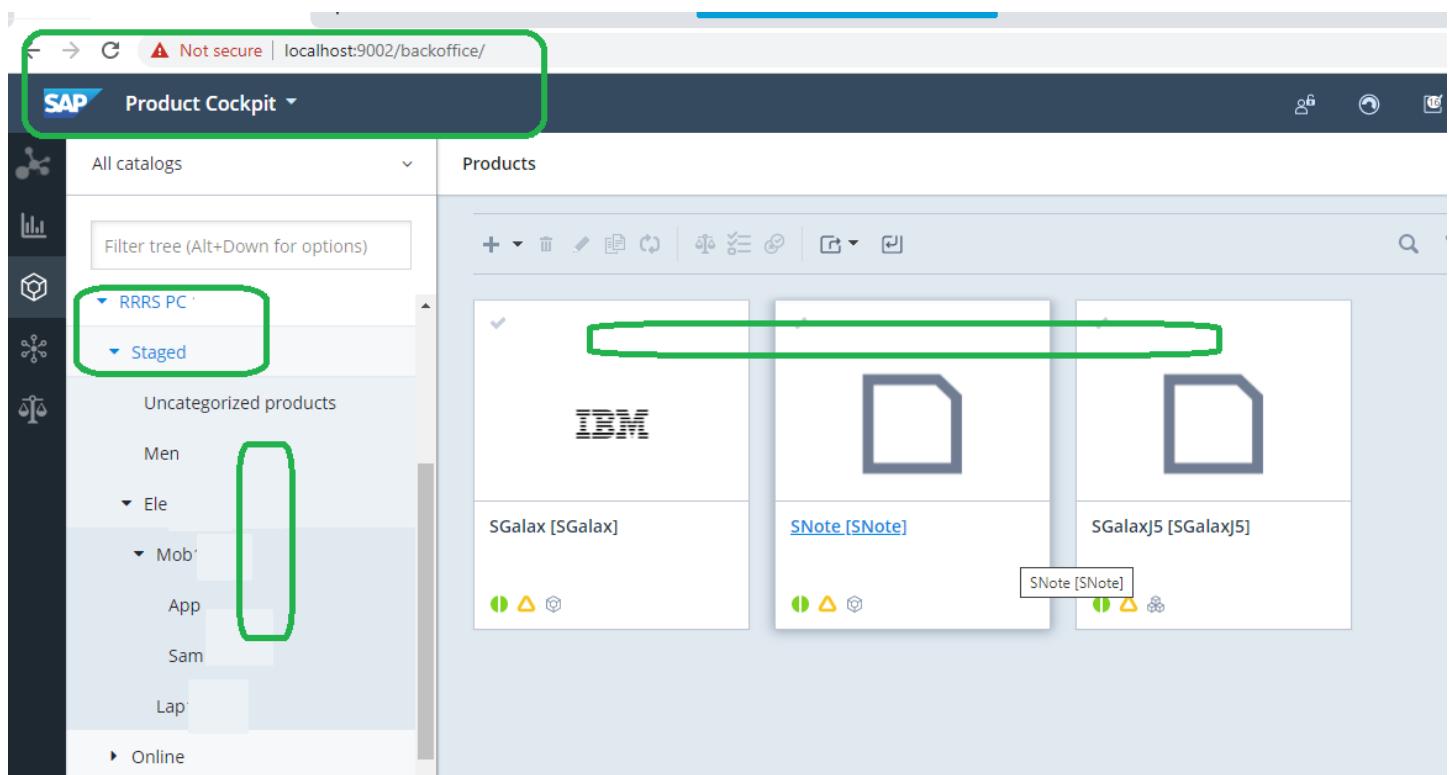
RRRS CC : Staged

## Step 6 = Login to Backoffice as “Product Manager” = chennarrs



The screenshot shows the SAP CX Backoffice login page. The URL is `localhost:9002/backoffice/login.zul`. The page has fields for Username (chennarrs), Password (redacted), and Language (English). To the right, there is a section for Authority Groups with two radio buttons: "Backoffice Product Administrator" (unchecked) and "Backoffice Product Manager" (checked). Below the password field is a dropdown menu. At the bottom are "Login" and "PROCEED" buttons.

## Results =



The screenshot shows the SAP Product Cockpit interface. The title bar says "SAP Product Cockpit". The left sidebar shows "All catalogs" and a tree view with categories like "RRRS PC", "Staged", "Uncategorized products", "Men", "Ele", "Mob", "App", "Sam", "Lap", and "Online". The main area is titled "Products" and shows a grid of product cards. The first card is for "IBM" with a redacted image. The second card is for "SGalax [SGalax]" with a redacted image and a note "SNote [SNote]". The third card is for "SGalaxJ5 [SGalaxJ5]" with a redacted image and a note "SNote [SNote]". The cards have edit icons at the bottom right. A green box highlights the "RRRS PC" category in the sidebar, and another green box highlights the "IBM" card in the grid.

**Conclusion** = Now Product Manager [PM] = chennarrs, can do the “Product Enrichments” from “**Product Cockpit**”.

Product Enrichments = Add product, Update product, Add desc, Add price, Add category, update category, delete product and ....

# Scenario = Let's create 1 new product & display in Storefront / Website?

Let's display this product "Apparel UK" Storefront / Website.

## Step 1 = Create Product [name = chennarrrsp1]

The screenshot shows the SAP CX Backoffice interface for creating a new product. The left sidebar shows navigation options like 'All catalogs', 'Products', and 'Core attributes'. The main area is titled 'Create New Product' under 'ESSENTIALS'. The 'Article Number' field contains 'chennarrrsp1'. The 'Approval' field has 'check'. The 'Catalog version' field shows 'Apparel Product Catalog : Staged'. A green box highlights the 'Identifier' field with 'chennarrrsp1'. A green box also highlights the 'Description' field with 'Chenna RRRS 1st Product'. A green arrow points to the 'Next' button at the bottom right of the screen.

The screenshot shows the continuation of the product creation process. The left sidebar remains the same. The main area is titled 'Create New Product' under 'CATEGORIZATION'. It asks to 'Please select which categories the product should be assigned'. The 'Supercategories' field is empty. A green box highlights the 'MEDIA' section. On the right, there is a 'MEDIA' panel with sections for 'Image' and 'Thumbnail'. It shows two uploaded files: 'OneTwo12.png' and 'IBM-Logo.png', both marked with green checkmarks. A green arrow points to the 'Next' button at the bottom right of the screen. Another green arrow points to the 'Done' button at the bottom right of the media panel.

## Results =

The screenshot shows the SAP Product Cockpit interface. On the left, there's a sidebar with icons for catalogs, products, and other functions. The main area shows a list of products under 'Apparel Product Catalog'. One item is highlighted with a green arrow pointing to it: 'chennarrrsp1 [chennarrrsp1] - Apparel Product Catalog : Staged'. To the right of this item is a search bar containing 'chennarrrsp1' with a circled red 'x' icon, a magnifying glass icon, and a blue '0' icon. A green arrow points from the search bar to the catalog entry.

## Step 2 = Change / Add the Images for the product.

The screenshot shows the SAP Product Cockpit interface with the 'chennarrrsp1 [chennarrrsp1] - Apparel Product Catalog : Staged' product selected. The top navigation bar includes 'PROPERTIES', 'ATTRIBUTES', 'BUNDLING', 'CATEGORY SYSTEM', 'PRICES', 'MULTIMEDIA' (which is highlighted with a green box), 'VARIANTS', 'EXTENDED ATTRIBUTES', and 'REVIEWS'. The 'MULTIMEDIA' tab is active. In the 'ESSENTIAL' section, there's an 'Article Number' field with 'chennarrrsp1'. Under the 'IMAGES' section, there's an 'Image' field with a file path '/96Wx96H/96990\_26.jpg - Apparel Product Catalog : Online' and a green arrow pointing to it. Below it is a 'Logos' field with a file path '/96Wx96H/96990\_21.jpg - Apparel Product Catalog : Staged' and a green arrow pointing to it. To the right, there's a preview of a teal-colored product image. A large green arrow points from the 'Save' button at the bottom right towards the preview image.

## Results =

The screenshot shows the SAP Product Cockpit interface. On the left, there's a sidebar with icons for catalogs, products, and other functions. The main area is titled "Products". A search bar at the top right contains the text "chennarrsp1". Below the search bar, a product card is displayed for "chennarrsp1 [chennarrsp1] - Apparel Product Catalog : Staged". The card features a small image of a blue and black apparel item, a green arrow pointing down to it with the text "Image is changed...", and a status indicator at the bottom.

**Step 3 = Approved** products only will display in **Storefront / Website**.

The screenshot shows the SAP Product Cockpit interface, specifically the "Properties" tab for the product "chennarrsp1 [chennarrsp1] - Apparel Product Catalog : Staged". The "Approval" field is set to "approved". To the right, a preview window shows the product image and a callout bubble highlighting the "Approval Status approved" message.

## Results =.

The screenshot shows a browser window with two tabs: "Not Found | Apparel Site UK" and "SAP CX Backoffice". The URL is "localhost:9002/yacceleratorstorefront/en/c/chennarrsp1/p/chennarrsp1". The main content area displays a "B2C Accelerator" header with navigation links for BRANDS, STREETWEAR, SNOW, ACCESSORIES, and YOUTH. A search bar says "I'm looking for". Below the header, a large red arrow points from the text "Product is not coming." to the "404 Page Not Found" message. A teal banner at the bottom right states: "Bcoz -- We created product in Staged version & It's not there in Online version."

Step 4 = **Online** products only will display in **Storefront** / Website. **Bcoz --**

This screenshot shows the SAP CX Catalog management interface. The left sidebar has a "Catalog" section highlighted with a green box. The main area shows a list of catalogs, with "apparelProductCatalog" selected. A modal window titled "Edit item Apparel Product Catalog : Online" is open, showing the "Catalog Versions" tab. It lists "Apparel Product Catalog : Staged" and "Apparel Product Catalog : Online", with "Apparel Product Catalog : Online" highlighted with a green box. A green arrow points from the "Catalog Versions" list to the "Edit item" modal. Another green arrow points from the "Edit item" modal back to the "Catalog Versions" list.

Now -- Do the Sync

This screenshot shows the SAP Product Cockpit interface. A modal window titled "Sync" is open, showing a "PUSH TO TARGET" job for "Apparel Product Catalog : Online" (sync apparelCatalog:Staged->Online). The "SYNC" button is highlighted with a yellow box. A green arrow points from the "Sync" modal to the "Sync" button on the main cockpit page. Another green arrow points from the "Sync" button back to the "Sync" modal.

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## Check the – Sync status

The screenshot shows the SAP Product Cockpit interface. In the top right corner, there is a circular icon with a magnifying glass and a green arrow pointing to it. The main area displays a product catalog titled "chennarrrsp1 [chennarrrsp1] - Apparel Product Catalog : Staged". On the left, there are tabs for PROPERTIES, ATTRIBUTES, BUNDLING, CATEGORY SYSTEM, PRICES, MULTIMEDIA, VARIANTS, and EXTENDED ATTACHMENT. The EXTENDED ATTACHMENT tab is highlighted with a green arrow. On the right, a sidebar titled "Processes" shows a single entry: "Items Synchronization (1) sync apparelProductCatalog:Staged->Online FINISHED finished Wed, May 19, 11:47 PM". Below this, there is a section for "Approval Status" which says "approved" with a green checkmark. A green box highlights the message "Catalog Synchronization in sync".

## Results =

The screenshot shows the B2C Accelerator storefront. At the top, the URL is "localhost:9002/yacceleratorstorefront/en/c/chennarrrsp1/p/chennarrrsp1". Below the URL, the page title is "B2C Accelerator". There is a search bar with the placeholder "I'm looking for" and a magnifying glass icon. The main navigation menu includes "BRANDS", "STREETWEAR", "SNOW", "ACCESSORIES", and "YOUTH". A teal banner at the bottom of the menu bar contains the text "HOME / CHENNAARRSP1". Below the menu, the product name "chennarrrsp1 | ID chennarrrsp1" is displayed. A large green arrow points from the "Catalog Synchronization in sync" message in the previous screenshot to this product listing. To the right of the product name, the text "Product is Coming" is written in green. Below the product name, the section "Product review summary" is visible.

**Step 5 = We are not able to see the Online product in Product Cockpit.**

The screenshot shows the SAP Product Cockpit interface. On the left, there is a tree view under "All catalogs" with categories like "RRRS PC 1", "Apparel Product Catalog", "Staged", and "Uncategorized products". A green arrow points from the "Catalog Synchronization in sync" message in the previous screenshot to this catalog structure. On the right, there is a "Products" list view. A search bar at the top right contains the text "chennarrrsp1". Below the search bar, there is a list of products, with one item visible: "chennarrrsp1 [chennarrrsp1] - Apparel Product Catalog : Staged". This item has a small thumbnail image and a green checkmark icon next to it.

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## Now – do the Backoffice Index

The screenshot shows the SAP Administration Cockpit interface. On the left sidebar, under the 'System' section, 'Facet Search Configuration' is selected. In the main area, a table lists a single entry: 'Solr Config for Backoffice' with the description 'Solr Config for Backoffice'. To the right of the table is a modal window titled 'Create New SolrIndexerOperationWizard'. Inside the modal, there is a section labeled 'SOLR INDEXER Provide indexer configuration' with an 'Operation values' field containing 'full'. A large green arrow points from the 'Index' button in the table below to the 'START' button in the modal.

## Results =

The screenshot shows the SAP Product Cockpit interface. On the left sidebar, 'All catalogs' is selected. In the main area, the search bar contains 'chennarrsp1'. Two catalog entries are listed: 'chennarrsp1 [chennarrsp1] - Apparel Product Catalog : Staged' and 'chennarrsp1 [chennarrsp1] - Apparel Product Catalog : Online'. Green arrows point from the search bar to both catalog entries.

**Step 6** = Created product [chennarrsp1] is coming PDP & not coming in “Search page / Category page”.

Bcoz --- Product page get the results from = **DB**

Category page / Search page get the results from = **Solr**

**B2C Accelerator**

I'm looking for

WELCOME CHENNA MY ACCOUNT

BRANDS STREETWEAR SNOW ACCESSORIES YOUTH

HOME / CHENNARRSP1

**chennarrsp1 | ID chennarrsp1**

Product review summary

★★★★★ | Write a Review

Coming in Product Page

Not coming in Search Page

0 items found for keyword **chennarrsp1**

## Now – do the Website Index

SAP Administration Cockpit

facet

System

Search and Navigation

Solr Facet Search Configuration

Facet Search Configurations

Backoffice

Backoffice type to facet search config mapping

SAVED QUERIES

No queries

Create New SolrIndexerHotUpdateWizard

TYPE AND OPERATION Set indexed type and indexer operation

Name: apparel-ukIndex Description: Apparel

Item type: Product

Operation values: update

ITEMS Select items to index

Items:

- chennarrsp1 [chennarrsp1] - Apparel Product Catalog : Staged
- chennarrsp1 [chennarrsp1] - Apparel Product Catalog : Online

START

## Results =

Search chennarrsp1 | Apparel Site x SAP CX Backoffice x +

Not secure | localhost:9002/yacceleratorstorefront/en/search?text=chennarrsp1

B2C Accelerator

I'm looking for

WELCOME CHENNA MY ACCOUNT

HOME / CHENNARRSP1

**Product is coming in Search Page**

You searched for "chennarrsp1"

1 Products found

IMAGE COMING SOON

chennarrsp1

RELEVANCE

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## Step 7 = Create New Category

chennarrrsp1 is created in product catalog & it's not in any hierarchy.

That means – This product is created like a **linear search algorithm**.

Whenever we create Product catalog – **what we should keep in mind?**

Customer should reach the item in shortest path like **Binary search algorithm**. Hence ... It's time to create Category now.

The screenshot shows a web browser window with two tabs: "chennarrrsp1 | Chenna RRRS C1" and "SAP CX Backoffice". The URL in the address bar is https://localhost:9002/yacceleratorstorefront/en/chennarrrsp1/p/chennarrrsp1. The page title is "B2C Accelerator". A search bar contains "I'm looking for". Below it is a navigation bar with links: BRANDS, STREETWEAR, SNOW, ACCESSORIES, YOUTH. A breadcrumb trail shows "HOME / CHENNARRSP1". The main content area displays the product "chennarrrsp1" with ID "chennarrrsp1".

### Step 7.1 = Create new Category = chennarrsc1

Keep this new category under **Brands**.

The screenshot shows the SAP CX Backoffice Product Cockpit. The top navigation bar has "Product Cockpit" circled in green. On the left, there's a sidebar with icons: a gear (circled in green), a chart, a document, and a magnifying glass. Below the sidebar, a button with a plus sign is highlighted with a green box. The main content area shows a tree structure: "Apparel Product Catalog" is expanded, showing "Staged" which is also highlighted with a green box. To the right, a modal window titled "Create New Category" is open. It has fields for "Identifier" (chennarrsc1), "Name" (Chenna RRRS C1), "Catalog version" (Apparel Product Catalog : Staged), and "Supercategories" (Brands [brands] - Apparel Product Catalog : Staged). A large green arrow points to the "Done" button at the bottom of the modal.

## Results =

The screenshot shows the SAP Product Cockpit interface. On the left, there is a sidebar with various icons. The main area displays a tree structure under 'Apparel Product Catalog' with a node 'Staged' highlighted. A modal window is open on the right, titled '201 ... 235', showing 'TSG' and 'Chenna RRRS C1'. The 'Chenna RRRS C1' entry is highlighted with a yellow box.

**Step 7.2 = Assing the product [chennarrrsp1] to newly created category.**

The screenshot shows the SAP Product Cockpit interface. The top navigation bar shows the URL 'localhost:9002/backoffice/'. The main area has a breadcrumb trail: '< Back chennarrrsp1 [chennarrrsp1] - Apparel Product Catalog : Staged'. Below this, the 'CATEGORY SYSTEM' tab is selected. Under 'CATEGORIES CONTAINING THIS PRODUCT', there is a section for 'Supercategories' with a green arrow pointing to the entry 'Chenna RRRS C1 [chennarrsc1] - Apparel Product Catalog : Staged'. A status message on the right says 'Catalog Synchron: in sync'.

## Step 7.3 = Perform the Category Sync.

The screenshot shows the SAP Product Cockpit interface. At the top, there's a header bar with the SAP logo and a 'Product Cockpit' dropdown. Below the header is a toolbar with icons for add, edit, delete, and search. A dropdown menu 'All catalogs' is open. To the right, a 'Processes' card displays a completed task: 'Items Synchronization (1)' with the sub-task 'sync apparelProductCatalog:Staged->Online'. The status is 'FINISHED' with a green checkmark, and it was finished on 'Thu, May 20, 12:29 AM'. On the left, there's a sidebar with various icons and a main content area showing a catalog structure under 'Surftech' with a node 'Chenna RRRS C1' highlighted with a green oval. A green arrow points from the 'FINISHED' status in the processes card down towards the catalog node.

## Step 7.4 = Do the Website Index

The screenshot shows the SAP Administration Cockpit. The left sidebar has a search bar with 'face' typed in, a 'System' section with 'Facet Search Configurations' highlighted with a green box, and a 'Backoffice' section. The main area shows a table of 'Facet Search Configurations' with two entries: 'apparel-ukIndex' (selected) and 'electronicsIndex'. The 'apparel-ukIndex' row has a green circle around the 'Index' button. A modal window titled 'Create New SolrIndexerOperationWizard' is open, showing a 'SOLR INDEXER' section with 'Provide indexer configuration' and an 'Operation values' section with 'update'. A green arrow points from the 'Index' button on the table to the 'START' button in the modal window.

## Results =

The screenshot shows the SAP CX Backoffice storefront. The URL in the browser is 'localhost:9002/yacceleratorstorefront/en/Brands/Chenna-RRRS-C1/chennarrsp1/p/chennarrsp1'. The page title is 'B2C Accelerator'. At the top, there's a search bar with 'I'm looking for' and a location pin icon. Below the search bar is a navigation bar with 'BRANDS', 'STREETWEAR', 'SNOW', 'ACCESSORIES', and 'YOUTH'. The 'BRANDS' link is highlighted with a green box. The breadcrumb navigation at the bottom shows 'HOME / BRANDS / CHENNA RRRS C1 / CHENNARRSP1'. A green arrow points from the 'CHENNA RRRS C1' link in the breadcrumb to the 'chennarrsp1' ID in the URL. The page content includes a 'Product review summary' section and a footer with the contact information 'Contact Us = ChennaReddyTraining@RRRS.CO.IN'.

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## Step 8 = Product Image

The screenshot shows a storefront interface for 'B2C Accelerator'. At the top, there's a navigation bar with links for 'BRANDS', 'STREETWEAR', 'SNOW', 'ACCESSORIES', and 'YOUTH'. Below the navigation is a breadcrumb trail: 'HOME / BRANDS / CHENNA RRRS C1 / CHENNARRSP1'. The main content area displays a product page for 'chennarrsp1' with ID 'chennarrsp1'. The page title is 'Product review summary'. There are five small gray stars followed by a link 'Write a Review'. Below the title is a large placeholder image of a camera lens. To the right of the image are zoom and orientation controls. At the bottom right are quantity controls with minus, one selected, and plus buttons.

Image is not coming

## Solution =

The screenshot shows the SAP Product Cockpit interface. The top navigation bar includes 'Product Cockpit' and a 'Not secure' warning. The main area shows a catalog entry for 'chennarrsp1 [chennarrsp1] - Apparel Product Catalog : Staged'. Below this, there are tabs for 'PROPERTIES', 'ATTRIBUTES', 'BUNDLING', 'CATEGORY SYSTEM', 'PRICES', 'MULTIMEDIA' (which is highlighted with a green box), 'VARIANTS', and 'EXTENDED'. A status bar at the top right indicates '1 Selected Item(s)'. On the right side, a 'Digital Asset' card shows a progress bar for 'Items Synchronization (1)' from 'apparelProductCatalog-Staged->Online', which was 'finished Thu, May 20, 12:39 AM' and attached two assets. A green arrow points from the 'MULTIMEDIA' tab in the cockpit to the missing image on the storefront.

## Results =

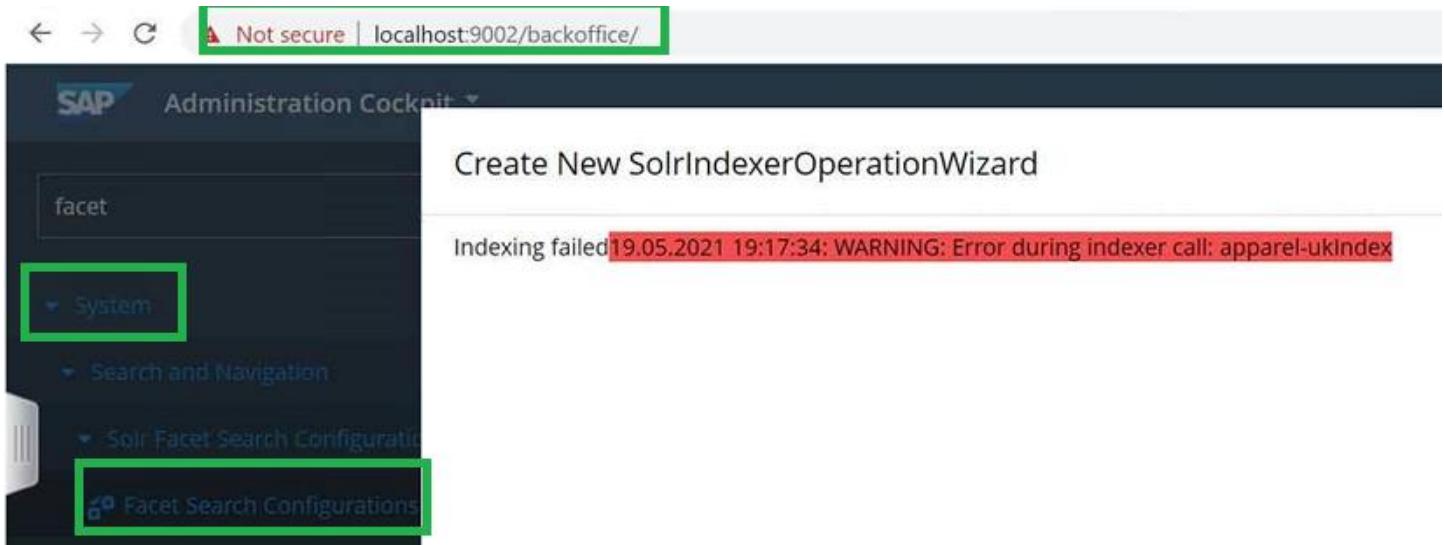
The screenshot shows the storefront after the solution was applied. The URL is now 'localhost:9002/yacceleratorstorefront/en/Brands/Chenna-RRRS-C1/chennarrsp1/p/chennarrsp1'. The product page for 'chennarrsp1' with ID 'chennarrsp1' is displayed, showing the 'Product review summary' section and a partial image of a blue apparel item. A green arrow points from the 'Image is coming' text to the now-visible product image on the storefront.

Image is coming

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## Scenario = Error ... Logs ... Findings ...

### Error =



### Logs =

```
cd C:\Windows\System32\cmd.exe - hybrisserver.bat
ERROR [solr indexer thread] [DefaultIndexerWorker] [Indexer worker 6 (UPDATE index operation on apparel-ukIndex/Product)] failed to process index items due to Failed to index item with PK 8796129624065: Failed to resolve values for item with PK: 8796129624065, by resolver: productPriceValueProvider, for property: price, reason: No range found for property: [price] with value [44.51] and qualifier [GBP]
de.hybris.platform.solrfacetsearch.indexer.exceptions.IndexerException: Failed to index item with PK 8796129624065: Failed to resolve values for item with PK: 8796129624065, by resolver: productPriceValueProvider, for property: price, reason: No range found for property: [price] with value [44.51] and qualifier [GBP]
    at de.hybris.platform.solrfacetsearch.indexer.impl.DefaultIndexer.handleError(DefaultIndexer.java:304) ~[solrfacetsearchserver.jar:?]
    at de.hybris.platform.solrfacetsearch.indexer.impl.DefaultIndexer.indexItems(DefaultIndexer.java:207) ~[solrfacetsearchserver.jar:?]
    at de.hybris.platform.solrfacetsearch.indexer.strategies.impl.DefaultIndexerBatchStrategy.executeIndexerOperation(DefaultIndexerBatchStrategy.java:245) ~[solrfacetsearchserver.jar:?]
    at de.hybris.platform.solrfacetsearch.indexer.strategies.impl.DefaultIndexerBatchStrategy.execute(DefaultIndexerBatchStrategy.java:210) ~[solrfacetsearchserver.jar:?]
    at de.hybris.platform.solrfacetsearch.indexer.workers.impl.DefaultIndexerWorker.doRun(DefaultIndexerWorker.java:196) [solrfacetsearchserver.jar:?]
    at de.hybris.platform.solrfacetsearch.indexer.workers.impl.DefaultIndexerWorker.run(DefaultIndexerWorker.java:152) [solrfacetsearchserver.jar:?]
    at java.util.concurrent.Executors$RunnableAdapter.call(Executors.java:515) [?:?]
    at java.util.concurrent.FutureTask.run(FutureTask.java:264) [?:?]
    at java.util.concurrent.Executors$RunnableAdapter.call(Executors.java:515) [?:?]
    at java.util.concurrent.FutureTask.run(FutureTask.java:264) [?:?]
    at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128) [?:?]
    at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628) [?:?]
    at java.lang.Thread.run(Thread.java:834) [?:?]
Caused by: de.hybris.platform.solrfacetsearch.config.exceptions.FieldValueProviderException: Failed to resolve values for item with PK: 8796129624065, by resolver: productPriceValueProvider, for property: price, reason: No range found for property: [price] with value [44.51] and qualifier [GBP]
```

**PK** = “SAP Comm” creates unique number for every record [Product table records / Order table records / User table records / ....].

**Q = From above logs – How to know error PK # 8796129624065 belongs to what table?**

The screenshot shows the hybris administration console interface. The top navigation bar includes links for Platform, Monitoring, Maintenance, Console, Tenants, Configuration, System, Logging, Extensions, Initialization, Update, SQL Scripts, License, Support, PK Analyzer (which is highlighted with a green box), and Classpath Analyzer. A message at the top says "You're Administrator" and "logout". Below the navigation, there's a search bar for "PK string as long" containing "8796129624065" and a blue "Execute" button. The results section lists:

- PK is 8796129624065
- PK is Counter based (bit 43 is set)
- Typecode Product (1)

A green arrow points from the "Typecode" result to the error log below, which details a failed index operation due to a missing price range for the item with PK 8796129624065.

```
c:\Windows\System32\cmd.exe - hybrisserver.bat
ERROR [solr indexer thread] [DefaultIndexerWorker] [Indexer worker 6 (UPDATE index operation on apparel-ukIndex/Product)] failed to process index items due to Failed to index item with PK 8796129624065: Failed to resolve values for item with PK: 8796129624065, by resolver: productPriceValueProvider, for property: price, reason: No range found for property: [price] with value [44.51] and qualifier [GBP]
de.hybris.platform.solrfacetsearch.indexer.exceptions.IndexerException: Failed to index item with PK 8796129624065: Failed to resolve values for item with PK: 8796129624065, by resolver: productPriceValueProvider, for property: price, reason: No range found for property: [price] with value [44.51] and qualifier [GBP]
```

**Now – Goto backoffice & find the record**

The screenshot shows the SAP Administration Cockpit backoffice search interface. The left sidebar has sections for Catalog (highlighted with a green box), Catalogs, Catalog Versions, Categories, and Products. The main search area has fields for "Product" and "SEARCH". The search criteria table includes:

Attribute	Comparator	Value	Sort Order
Article Number	Contains	(empty)	(empty)
PK	Equals	(empty)	(empty)
Catalog version	Equals	(empty)	...

A green arrow points from the "PK" attribute field to the search results on the left, which list Catalogs, Catalog Versions, and Categories.

SAP Administration Cockpit

Filter tree (Alt+Down for options)

Catalog

Catalog Versions

Categories

Products

Product Variant Types

Units

Keywords

SAVED QUERIES

No queries

Product: Product Global Operator: And Include subtypes SEARCH

Attribute: PK Comparator: Equals Value: 8796129624065

Sweetheart Pant youth amethyst L [300412843] - Apparel Product Catalog : Staged

REFRESH

PRICES

Product	Product ...	Customer	Customer...	Scale	Unit	Price	Currency	Pricing
...				1	Piece [pieces]	€54.95	Euro [EUR]	false
...				1	Piece [pieces]	£44.51	Pound [GBP]	false

**Q = Where can we see the Hybris Server Logs?**

**Solution 1 =**

Local Disk (E:) > rrrssoftware > hybris > log > tomcat >				
Name	Date modified	Type	Size	
console-20210519	19-05-2021 23:59	Text Document	629 KB	
console-20210520	20-05-2021 00:39	Text Document	21 KB	

In real time – For “Dev Env / QA Eng / UAT Env /Prod Env” .. we will not have access to go this location & see logs.

**Then what to do? = Solution 2**

hybris administration console

You're Administrator logout

Platform Monitoring Maintenance Console Support PK Analyzer

Tenants Configuration System Logging Extensions Initialization

Select all  console-20210520.log (20kb - E:\rrrssoftware\hybris\log\tomcat)  cpqTracking.log (0kb - E:\rrrssoftware\hybris\log\tomcat\cpqTracking)

Create Download (382kb...) Send in email

Today (2)

support support

Downloads > support > logs > tomcat

console-20210520

**Scenario =** Generally, in companies there will be millions of products.

When we have more of products then **sync takes lots of time.**

There are lots paraments which impacts the Sync time. Example: -

- 1) Location of the Hybris Server & DB Server
- 2) Dedicated DB (Not shared DB)
- 3) How much RAM
- 4) How many CPU core
- 5) ===

Also – Depends on Synchronization Attributes Configuration.

**Example =**

Edit item sync apparelProductCatalog:Staged->Online

CONFIGURATION CRONJOBS RESTRICTIONS ADVANCED ATTRIBUTTES ADMINISTRATION

SYNCHRONIZATION ATTRIBUTES CONFIGURATION

Synchronization attributes configuration

Included Properties 142 Types 580 Attributes	Excluded Properties 0 Types 16 Attributes
--	---

**Note =** It is important for us to update (or) modify the Sync job attribute configurations as per companies need, so that Sync performance will be improved.

## Example =

Edit item sync apparelProductCatalog:Staged->Online

REFRESH SAV

CONFIGURATION CRONJOBS RESTRICTIONS ADVANCED ATTRIBUTES ADMINISTRATION

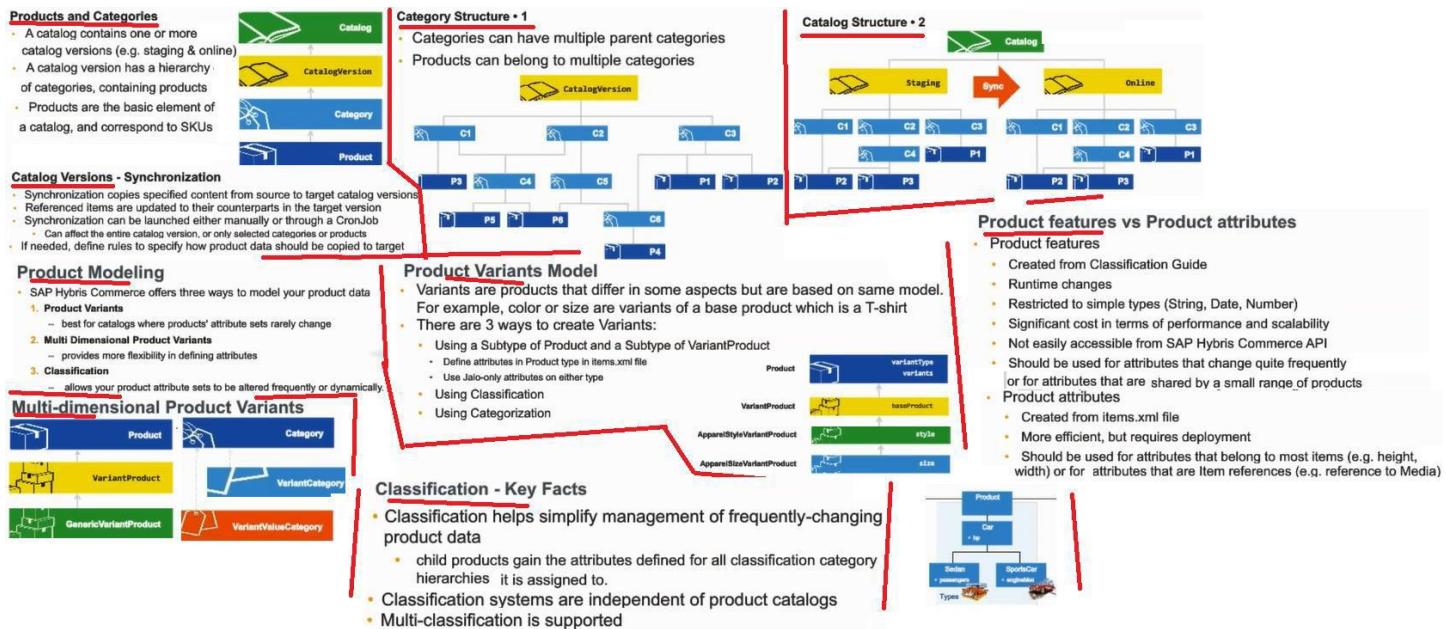
Root types ?

- Category [Category]
- Product [Product]
- Media [Media]
- Keyword [Keyword]
- Tax row [TaxRow]

Sync attribute configurations

- Item [Item] -> Owner [owner] in sync : ...
- Item [Item] -> Documents [allDocume...]
- Item [Item] -> Comments [comments] ...
- Item [Item] -> Assigned Cockpit Item T...
- Media Container [MediaContainer] -> ...

## Scenario = SAP – Product Modeling Notes =



**Scenario** = Assume that from **3rd party system** [SAP / PS / Legacy /...]  
 Data [Categories / Products / Price / ...] is coming into “**SAP Comm**” daily  
 2 times [1<sup>st</sup> data load @ 12.30 AM & 2<sup>nd</sup> data load @ 12.30 PM].

B2C Accelerator

I'm looking for

BRANDS DIGITAL CAMERAS FILM CAMERAS HAND HELD CAMCORDERS WEBCAMS POWER SUPPLIES FLASH MEMORY

Catalog

- Catalogs
- Catalog Versions
- Categories

ID	Name
electronicsProductCatalog	Electronics Product Catalog

0 ITEMS SELECTED

Assume that 3<sup>rd</sup> party system data loading into SAP Comm is taking ~ 15 mins. After data load – **Sync jobs** needs to be executed.

So, schedule the Sync job **@ 12.45 AM & @ 12.45 PM**.

Inbox

System

Catalog

- Catalogs
- Catalog Versions
- Categories
- Products

SAVED QUERIES

No queries

Catalog

Catalog Version

Electronics Product Catalog

Electronics Product Catalog : Staged

0 ITEMS SELECTED

CATALOG VERSION CONTENT CATALOG VERSIONS PERMISSIONS ADMINISTRATION

BASIC SETTINGS

Outcoming catalog synchronization Incoming catalog synchronizations

sync electronicsProductCatalog...

Assume that Sync job is taking around 30 mins.

**Note** = Search Results Page [SRP], Category Page [ or PLP] – Get the data from Solr Doc.

So – Execute Solr Index Job.

So, schedule the Index job @ 1.15 AM & @ 1.15 PM.

SAP Administration Cockpit

facet

SEARCH

Name Description

electronicsIndex Electronics Solr

0 ITEMS SELECTED

Create New SolrIndexerOperationWizard

SOLR INDEXER Provide indexer configuration

Operation values

update

START

electronicsIndex

Index Hot Update Index

## Scenario = Variants

DSC-H20 Red | Digital Compacts

B2C Accelerator

I'm looking for

BRANDS DIGITAL CAMERAS FILM CAMERAS HAND HELD CAMCORDERS WEBCAMS POWER SUPPLIES FLASH MEMORY CAMERA ACCESSORIES & SUPPLIES

HOME / OPEN CATALOGUE / CAMERAS / DIGITAL CAMERAS / DIGITAL COMPACTS / DSC-H20

DSC-H20 Red | ID 1978440\_red

Product review summary

★★★★★ Write a Review

SONY

\$507.64

DSC-H20, Red, 10.1 Megapixels, 10x Optical Zoom, 3.0" LCD

Variants

TYPE: Red

COLOR RED, \$507.64 87  
PLEASE SELECT VARIANT  
COLOR RED, \$507.64 87  
COLOR GREEN, \$507.64 87  
COLOR BLUE, \$507.64 87

Here – 1978440 is **base product**

1978440\_Red, 1978440\_Green & 1978440\_Blue == Are **variants**.

The screenshot shows the SAP ERP interface for creating product variants. On the left, the navigation bar is visible with 'Catalog' selected. In the center, the title is 'DSC-H20 [1978440] - Electronics Product Catalog : Staged'. The 'VARIANTS' tab is highlighted with a green box. Below it, a note says: 'If you want to use this product as a base template to create a family of product variations you can do so here. Please specify the variation first. This defines the variation attributes (e.g. colour or size) for the family. Then you can start creating product variations based on this product as a template.' A list of existing variants is shown: 'DSC-H20 Blue [1978440\_blu...]', 'DSC-H20 Green [1978440\_gr...]', and 'DSC-H20 Red [1978440\_red] ...'. At the bottom, a button '+ Create new Electronics Color Variant' is highlighted with a green box.

## Step 1 = Create New Variants: -

Create New Electronics Color Variant X

ESSENTIALS All required fields → DESCRIPTION Identifiers and descriptions → CATEGORIZATION Assign to categories → MEDIA Create media content

Article Number:  
ChennaRRRS

Approval:  
approved

Catalog version:  
Electronics Product Catalog : Staged

Base Product:  
DSC-H20 [1978440] - Electronics Product Catalog : Staged

CANCEL    NEXT    **DONE**



REFRESH



[PROPERTIES](#) [ATTRIBUTES](#) [BUNDLING](#) [CATEGORY SYSTEM](#) [PRICES](#) [MULTIMEDIA](#) [VARIANTS](#) [EXTENDED ATTRIBUTES](#) [REVIEWS](#) [ST](#)

If you want to use this product as a base template to create a family of product variations you can do so here. Please specify the type of product variation first. This defines the variation attributes (e.g. colour or size) for the family. Then you can start creating product variations using this base product as a template.

Product variants type

Product Variants

ElectronicsColorVariantProduct

- DSC-H20 Blue [1978440\_blu...]
- DSC-H20 Green [1978440\_gr...]
- DSC-H20 Red [1978440\_red] ...
- [ChennaRRRS] - Electronics ...

## Step 2 = Now performt the Sync



[PROPERTIES](#) [ATTRIE](#)

If you want to use this p  
variation first. This defin  
product as a template.

Product variants type

ElectronicsColorVariantProduct

Sync

DSC-H20 [1978440] - Electronics Product C...

Select a source or target sync job

PUSH TO TARGET

Electronics Product Catalog : Online  
sync electronicsProductCatalog:Staged->Online

CANCEL

SYNC

## ==> Check the Sync Status Results

The screenshot shows a process named "Items Synchronization (1)" with the ID "sync electronicsProductCatalog:Staged->Online". The status is "FINISHED" and it was completed on "Mon, Aug 31, 10:33 PM". The interface includes standard navigation icons (back, forward, search, etc.) and a settings gear icon.

## Step 3 = Test the results in Website

DSC-H20 Red | ID 1978440\_red

Product review summary

\$507.64

DSC-H20, Red, 10.1 Megapixels, 10x Optical Zoom, 3.0" LCD

TYPE: Red

This is newly added Variant ...

COLOR RED, \$507.64 87

PLEASE SELECT VARIANT

COLOR , 0

COLOR RED, \$507.64 87

COLOR GREEN, \$507.64 87

COLOR BLUE, \$507.64 87

## Step 4 = Newly added variant is **not having** price.

Q = How to configure the **price**?

Filter tree (Alt+Down for options)

Catalog

Catalogs

Catalog Versions

Categories

Products

Product Variant Types

Units

Keywords

Product

Global Operator: And

Include subtypes

SEARCH

Attribute Comparator Value Sort Order

Article Number Contains Chennai

[ChennaRRRS] - Electronics Product Catalog : Staged

Properties Attributes Bundling Category System PRICES Multimedia Variants Extended Attributes

+ Create new Price Row

Create New Price Row

ALL REQUIRED FIELDS GENERAL

Unit: Piece [pieces]

Price: 1234

Scale: 1

Currency: US Dollar [USD]

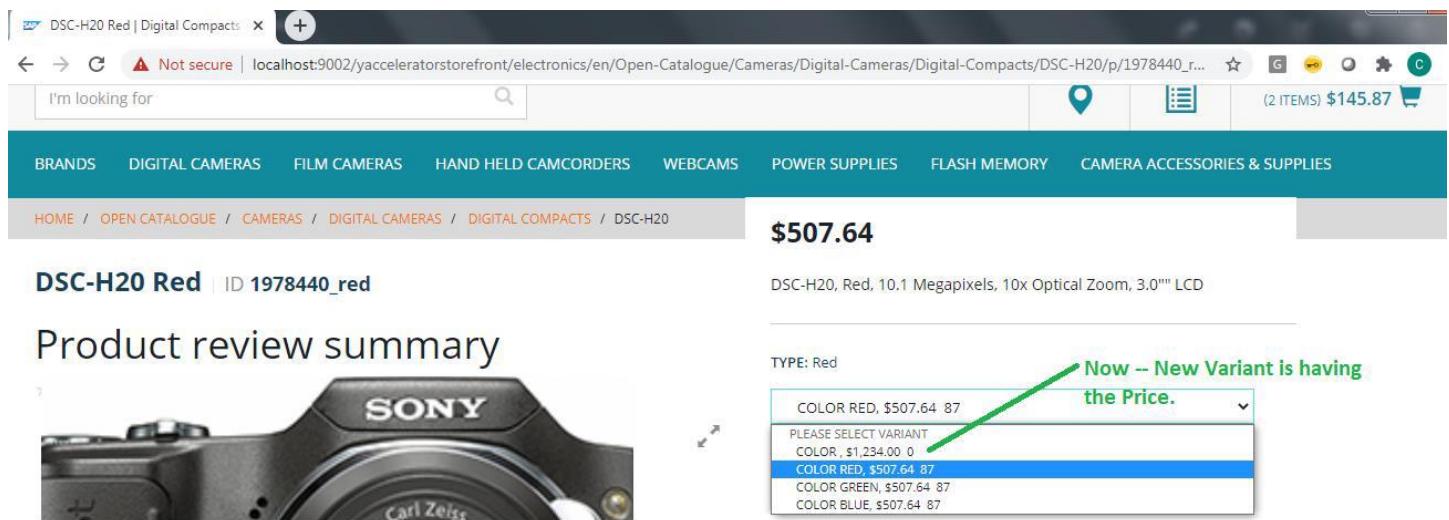
Pricing: Net Gross

CANCEL NEXT DONE

Contact Us = ChennaReddyTraining@RRRS.CO.IN

## Step 5 = Now Perform the Sync & Check the Sync Status Results

## Step 6 = Test the results in Website



DSC-H20 Red | ID 1978440\_red

Product review summary

\$507.64

DSC-H20, Red, 10.1 Megapixels, 10x Optical Zoom, 3.0" LCD

TYPE: Red

Now -- New Variant is having the Price.

Color Red, \$507.64 87

PLEASE SELECT VARIANT

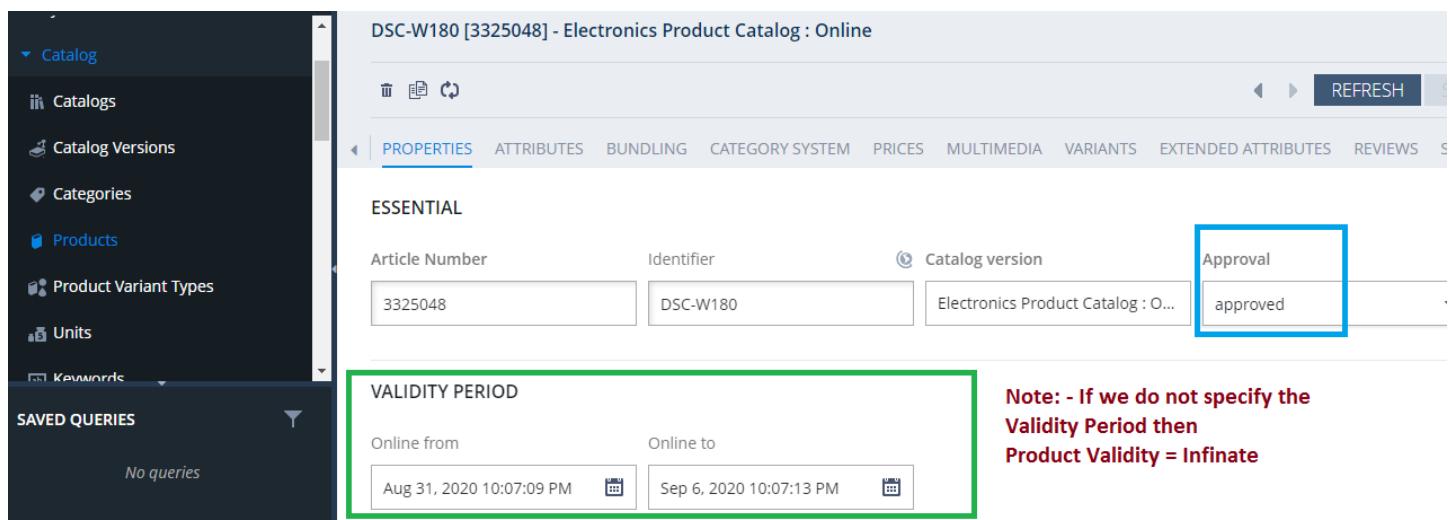
Color, \$1,234.00 0

Color Red, \$507.64 87

Color Green, \$507.64 87

Color Blue, \$507.64 87

Scenario = Only Approved Products will be display in Storefront / Website



DSC-W180 [3325048] - Electronics Product Catalog : Online

PROPERTIES ATTRIBUTES BUNDLING CATEGORY SYSTEM PRICES MULTIMEDIA VARIANTS EXTENDED ATTRIBUTES REVIEWS S

ESSENTIAL

Article Number Identifier Catalog version Approval

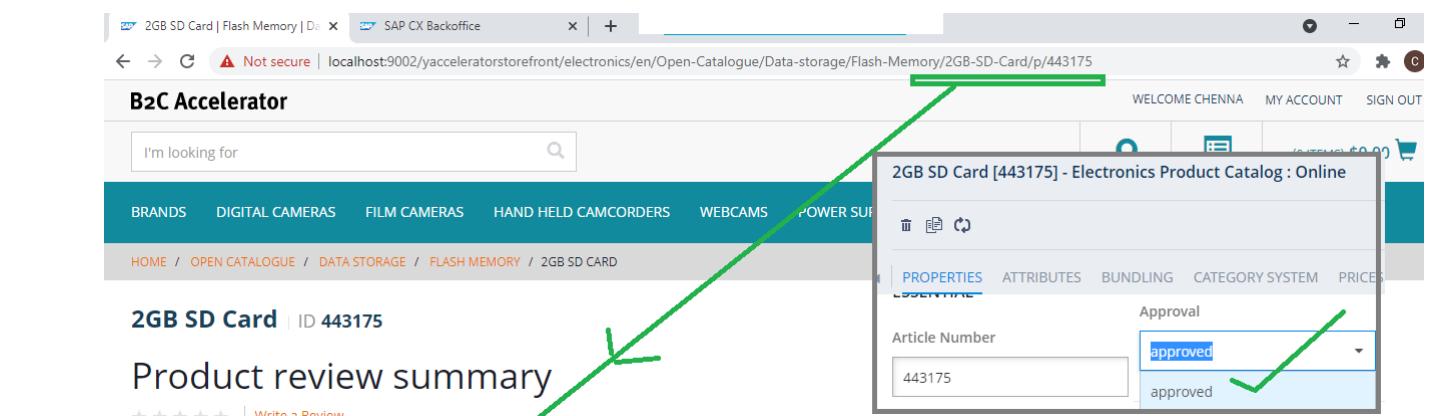
3325048 DSC-W180 Electronics Product Catalog : O... approved

VALIDITY PERIOD

Online from Online to

Aug 31, 2020 10:07:09 PM Sep 6, 2020 10:07:13 PM

Note: - If we do not specify the Validity Period then Product Validity = Infinite



2GB SD Card [443175] - Electronics Product Catalog : Online

WELCOME CHENNAI MY ACCOUNT SIGN OUT

B2C Accelerator

I'm looking for

BRANDS DIGITAL CAMERAS FILM CAMERAS HAND HELD CAMCORDERS WEBCAMS POWER SUPPLIES

HOME / OPEN CATALOGUE / DATA STORAGE / FLASH MEMORY / 2GB SD CARD

2GB SD Card | ID 443175

Product review summary

Approval

Article Number

443175

approved

Contact Us = ChennaReddyTraining@RRRS.CO.IN

**Scenario = Only Valid date Products will be displayed in Website.**

**Note =** If we do not specify the validity period then “SAP Comm” consider Product validity = Infinite.

DSC-W180 [3325048] - Electronics Product Catalog : Online

PROPERTIES ATTRIBUTES BUNDLING CATEGORY SYSTEM PRICES MULTIMEDIA VARIANTS EXTENDED ATTRIBUTES REVIEWS S

ESSENTIAL

Article Number Identifier Catalog version

3325048 DSC-W180 Electronics Product Catalog : O... Approval approved

VALIDITY PERIOD

Online from Online to

Aug 31, 2020 10:07:09 PM Sep 6, 2020 10:07:13 PM

Note: - If we do not specify the Validity Period then Product Validity = Infinite

2GB SD Card | Flash Memory | Data Storage | SAP CX Backoffice

Not secure | localhost:9002/yacceleratorstorefront/electronics/en/Open-Catalogue/Data-storage/Flash-Memory/2GB-SD-Card/p/443175

B2C Accelerator

I'm looking for

BRANDS DIGITAL CAMERAS FILM CAMERAS HAND HELD CAMC

HOME / OPEN CATALOGUE / DATA STORAGE / FLASH MEMORY / 2GB SD CARD

2GB SD Card | ID 443175

Product review summary

★★★★★ | Write a Review

VALIDITY PERIOD

No Dates

Online from Online to

\$6.04

2GB SD Card [443175] - Electronics Product Catalog : Online

PROPERTIES ATTRIBUTES BUNDLING CATEGORY SYSTEM PRICES MULTIMEDIA VARIANTS

VALIDITY PERIOD

No Dates

Online from Online to

Not Found | Electronics Site | SAP CX Backoffice

Not secure | localhost:9002/yacceleratorstorefront/electronics/en/Open-Catalogue/Data-storage/Flash-Memory/2GB-SD-Card/p/443175

B2C Accelerator

I'm looking for

BRANDS DIGITAL CAMERAS FILM CAMERAS

404 Page Not Found

2GB SD Card [443175] - Electronics Product Catalog : Online

PROPERTIES ATTRIBUTES BUNDLING CATEGORY SYSTEM PRICES MULTIMEDIA VARIANTS

VALIDITY PERIOD

Bcoz -- These are future dates

Online from Online to

May 30, 2021 2:23:47 AM May 31, 2021 2:23:50 AM

**Scenario** = Let's say in cart we added have 3 items (or) products [P1, P2 & P3] on 20<sup>th</sup> May.

Your Shopping Bag | Apparel Site × SAP CX Backoffice × +

Not secure | localhost:9002/yacceleratorstorefront/electronics/en/cart

**EXPORT CSV**

**Added May 20th**

ITEM (STYLE NUMBER)	PRICE	QTY	DELIVERY
 <b>The Brick Beanie haze Uni</b> 300395984 Style: haze Size: Uni In Stock	P1 £14.54	1	SHIP
 <b>Incision Leather Belt shadow grey SM</b> 300608309 Style: shadow grey Size: SM In Stock	P2 £40.46	1	SHIP
 <b>1-Chenna RRRS - Limited Jacket deepest black M</b> 300678848 Style: deepest black Size: M In Stock	P3 £485.96	1	SHIP

On May 22<sup>nd</sup> – P2 is unapproved

On May 22<sup>nd</sup> - P1 is not having valid dates

On May 23<sup>rd</sup> – P3 is not having QTY

**Q** = What happens to the cart when you come back on **May 24<sup>th</sup>**?

When we click on → **Checkout [In Cart page]**

Your Shopping Cart | Electronics × SAP CX Backoffice ×

Not secure | localhost:9002/yacceleratorstorefront/electronics/en/cart

**B2C Accelerator**

SIGN IN / REGISTER

I'm looking for

(3 ITEMS) \$328.24 

BRANDS DIGITAL CAMERAS FILM CAMERAS HAND HELD CAMCORDERS WEBCAMS POWER SUPPLIES FLASH MEMORY CAMERA ACCESSORIES & SUPPLIES

HOME / CART

Unfortunately FUN Flash Single Use Camera, 27+12 pic was removed from your cart as it is no longer available.

Unfortunately 1V was removed from your cart as it is no longer available.

Help 

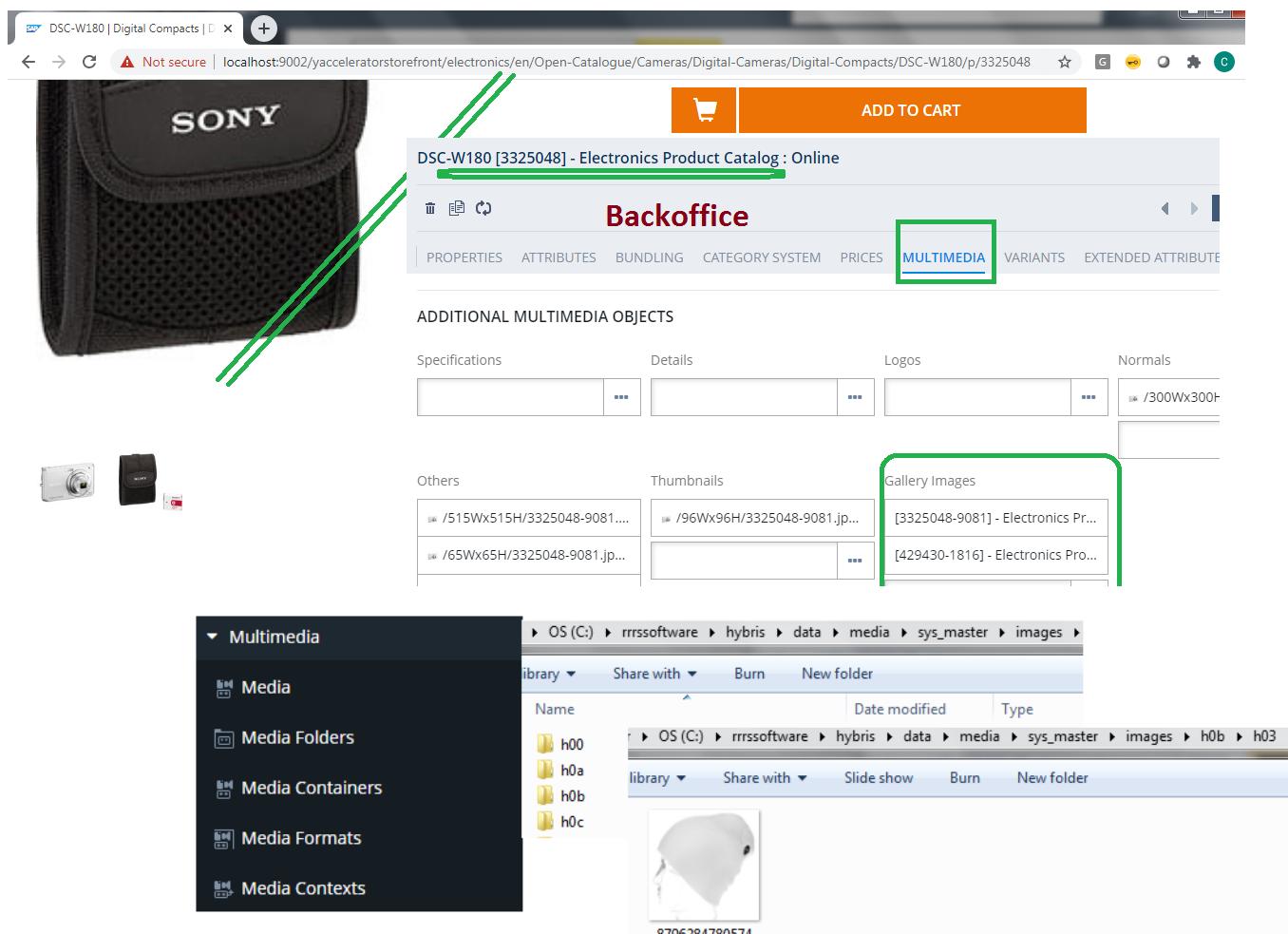
Cart | ID: 00000000 NEW CART

```

295 @Override
296 public List<CommerceCartModification> validateCart(final CommerceCartParameter parameter)
297 {
298     final CartModel cartModel = parameter.getCart();
299     final List<CommerceCartModification> modifications = new ArrayList<CommerceCartModification>();
300     final boolean callHooks = getCartValidationHooks() != null && (parameter.isEnableHooks() && g
301         .getConfiguration().getBoolean(CommerceServicesConstants.CARTVALIDATIONHOOK_ENABLED, tr
302     if (callHooks)
303     {
304         this.beforeValidateCart(parameter, modifications);
305     }
306
307     cleanCart(cartModel);
308
309     if (cartModel != null && cartModel.getEntries() != null && !cartModel.getEntries().isEmpty())
310     {
311
312         for (final AbstractOrderEntryModel orderEntryModel : cartModel.getEntries())
313         {
314             modifications.add(validateCartEntry(cartModel, (CartEntryModel) orderEntryModel));
315         }

```

## Scenario = Gallery Images



**Scenario = Product – Reviews & Ratings**

**Step 1 = Chenna submitted the “Reviews & Rating” for P# = 300416140.**

<https://localhost:9002/yacceleratorstorefront/electronics/en/Categories/Accessories/Belts/Studded-Belt/p/300416140>

SAP CX Backoffice

Studded Belt cardinal M | Belts | X | +

Not secure | localhost:9002/yacceleratorstorefront/electronics/en/Categories/Accessories/Belts/Studded-Belt/p/300416140

PRODUCT DETAILS | SPECS | **REVIEWS** | SHIPPING

**WRITE A REVIEW**

**SHOW ALL**

REVIEW TITLE  
Good Product

REVIEW DESCRIPTION  
I have take this product 10 days back. Looks good.

YOUR RATING  
★★★★★

YOUR NAME (OPTIONAL)  
Chenna

**SUBMIT REVIEW**

**Step 2 = Now RRRS is coming the P# = 300416140. Not able to see the “Reviews & Ratings”.**

SAP CX Backoffice

Studded Belt cardinal M | Belts | X | New Tab | +

Not secure | localhost:9002/yacceleratorstorefront/electronics/en/Categories/Accessories/Belts/Studded-Belt/p/300416140

PICK UP

PRODUCT DETAILS | SPECS | **REVIEWS** | SHIPPING

**For RRRS - It's not showing**

**WRITE A REVIEW**

**Contact Us = ChennaReddyTraining@RRRS.CO.IN**

## Step 3 = Goto backoffice & check the Product “Reviews & Ratings”.

Studded Belt cardinal M [300416140] - Apparel Product Catalog : Staged

**REVIEWS**

We are not seeing any "Reviews & Ratings" submitted by Chenna. Why? =  
Bcoz Website is connected with Online Products.

Article Number	Identifier	Catalog version	Approval
300416140	Studded Belt cardinal M	Apparel Product Catalog : Staged	approved

**PRODUCT REVIEWS**

Average rating	Number of reviews	Product reviews	Persisted Total Reviews
	0	+ Create new Customer review	0

Studded Belt cardinal M [300416140] - Apparel Product Catalog : Online

**REVIEWS**

**PRODUCT REVIEWS**

Average rating	Number of reviews	Product reviews						
5	2	<table border="1"> <thead> <tr> <th>Rating</th> <th>Product</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>Studded Belt...</td> </tr> <tr> <td>5</td> <td>Studded Belt...</td> </tr> </tbody> </table>	Rating	Product	5	Studded Belt...	5	Studded Belt...
Rating	Product							
5	Studded Belt...							
5	Studded Belt...							

+ Create new Customer review

Studded Belt cardinal M [300416140] - Apparel Product Catalog : Online

**REVIEWS**

**PRODUCT REVIEWS**

Average rating	Number of reviews	Product reviews						
		<table border="1"> <thead> <tr> <th>Rating</th> <th>Product</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>Studded Belt...</td> </tr> <tr> <td>5</td> <td>Studded Belt...</td> </tr> </tbody> </table>	Rating	Product	5	Studded Belt...	5	Studded Belt...
Rating	Product							
5	Studded Belt...							
5	Studded Belt...							

**Edit item 5.0 - PENDING - false - Good Product**

Remove

Edit Details

Approval status

Approved

## Step 4 = Results

The screenshot shows a product review section on a web page. At the top, there are tabs for 'PRODUCT DETAILS', 'SPECs', 'REVIEWS' (which is highlighted with a green border), and 'SHIPPING'. Below the tabs, there is a button labeled 'WRITE A REVIEW'. Two reviews are displayed:

- Good Product**  
★★★★★  
I have taken this product 10 days. Looks good.  
Chenna (20/05/2021)
- Good Product**  
★★★★★  
I have taken this product 10 days. Looks good.  
Chenna (20/05/2021)

## Scenario = Product - PICK UP IN STORE

The screenshot shows a product page for a red belt. The belt is displayed prominently on the left. To the right, there is a quantity selector with buttons for minus, one (highlighted with a green border), and plus. Below the quantity selector, a message says 'only 1 left online'. At the bottom right, there are two buttons: 'ADD TO BAG' and 'PICK UP IN STORE' (highlighted with a green arrow).

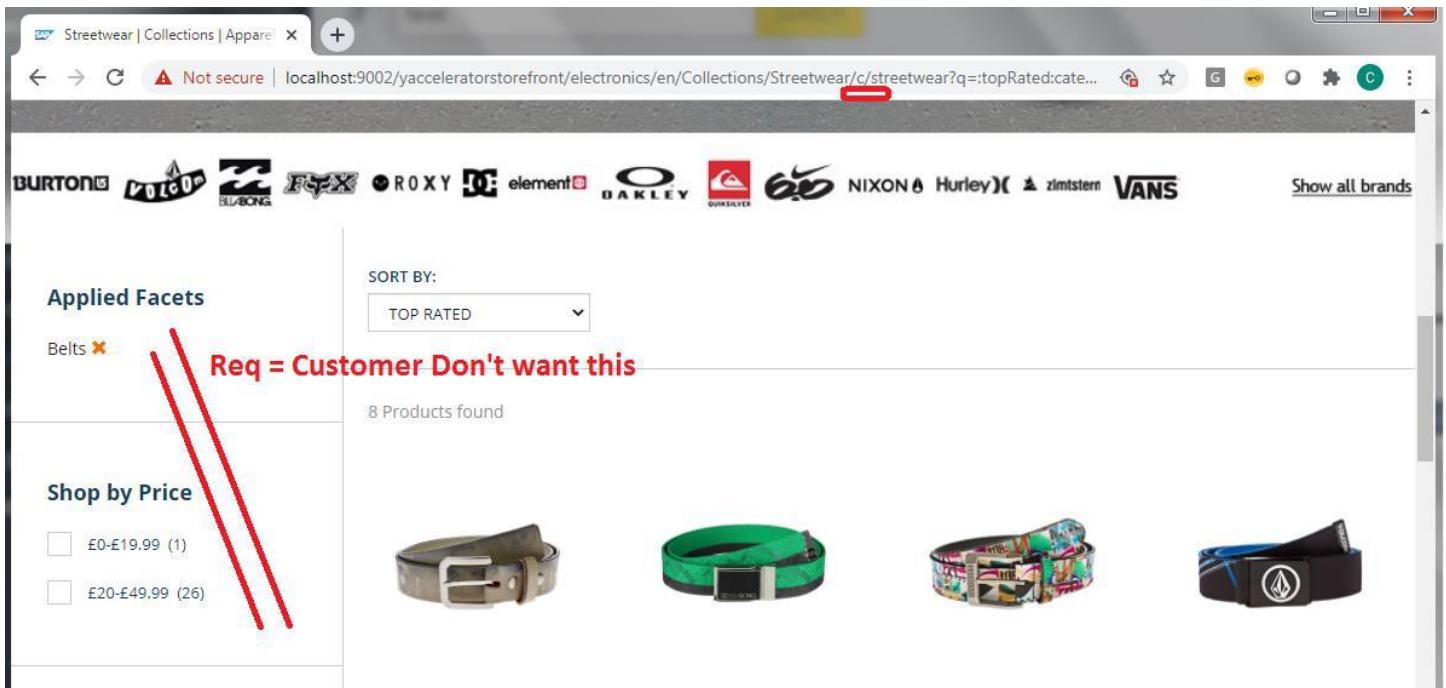
## Scenario = Product - NOTIFY ME WHEN IN STOCK

The screenshot shows a product page for a black belt. The belt is displayed prominently on the left. To the right, there is a quantity selector with buttons for minus, one (highlighted with a green border), and plus. Below the quantity selector, a message says 'OUT OF STOCK'. At the bottom right, there is a button labeled 'NOTIFY ME WHEN IN STOCK' (highlighted with a green arrow).

Contact Us = ChennaReddyTraining@RRRS.CO.IN

**Scenario =** Let's say – Customer don't want **Facets** in Category page.

How to hide components [Facet Comp ... Breadcrumb Comp ... Search Comp ... Logo Comp...]?



**Solution =**

ID	Name	Catalog Version	Visib...
RefinementFacetComponent	Product Refinement Facet Component	Apparel UK Content Catalog : Online	true

# Scenario = Product Localized Column / Field? = Product No – 300614710

The screenshot shows the SAP Hybris Catalog interface. On the left, the navigation bar includes Home, Inbox, System, Catalog, Catalogs, Catalog Versions, Categories, and Products. Under Catalog, Catalogs and Products are highlighted with green lines. The main area displays a product detail page for "Enterprise Cap black/red LXL [300614710] - Apparel Product Catalog : Online". The "DESCRIPTIONS" tab is selected. It shows two language versions: "en" (selected) and "de". The "en" version contains the text "Piece [pieces]". A green annotation points to this text with the text "This is localized Column". Below the language tabs are rich text editors for each language.

The screenshot shows the Eclipse IDE interface with the title "Photon - platform/ext/core/resources/core-items.xml - Eclipse IDE". The Project Explorer view shows files like beans.xsd, commons-logging.properties, core-advanced-deployment.xml, core-beans.xml, core-cache.xml, core-cache.xml.singleregion, core-filter-spring.xml, core-items.xml (highlighted with a green line), core-jmx-spring.xml, core-media-spring.xml, and core-profiling-spring.xml. The core-items.xml file is open in the editor, showing XML code. A specific line of code is highlighted with a blue selection: <attribute autorecreate="true" qualifier="description" type="localized:java.lang.String">. A green annotation points to this line with the text "This is localized Column".

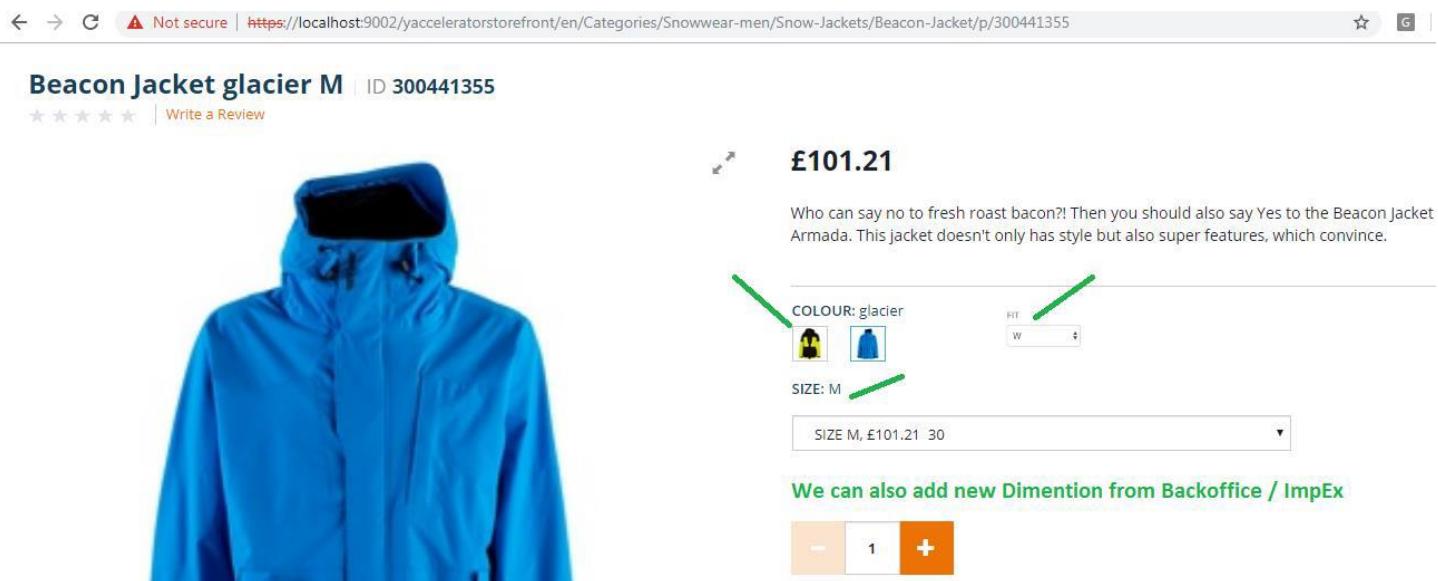
The screenshot shows the SAP Hybris Catalog interface. The left sidebar has the same navigation as before. The main area shows the product detail page for "Enterprise Cap black/red LXL [300614710]". The "DESCRIPTIONS" tab is selected, showing the "en" and "de" language tabs. The "en" tab has the text "I am Apparel-UK Product Desc (English)". The "de" tab has the text "Ich bin Apparel-UK Product Desc (Deutsch)". Red annotations point from the English and German descriptions to the respective browser tabs at the bottom right. The top browser tab is labeled "Apparel-UK (English)" and the bottom one is labeled "Apparel-DE (German)". Both tabs show the same product image and basic details.

## Scenario = Multi dimension Product Catalog

SAP Comm has introduced a powerful concept which offers more flexibility in Product Variant configuration as compare to earlier model. Now, a base product can hold wide variety of variants with different combinations.

Product variant is a product that varies from base product in some way that creates uniqueness but not independence. In current design, a product can hold multiple dimension like color, size, fit etc. We can easily add, remove, rename dimensions to the product. So, the same base product can hold a variety of variants.

**Example** = Shoe products, we can have dimensions like color, size, and fit.



Beacon Jacket glacier M | ID 300441355

★★★★★ | Write a Review

£101.21

Who can say no to fresh roast bacon?! Then you should also say Yes to the Beacon Jacket Armada. This jacket doesn't only has style but also super features, which convince.

COLOUR: glacier

SIZE: M

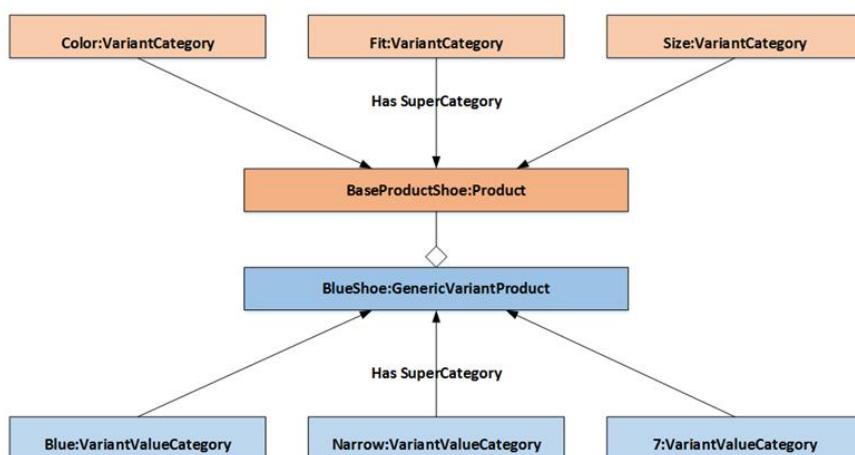
FIT

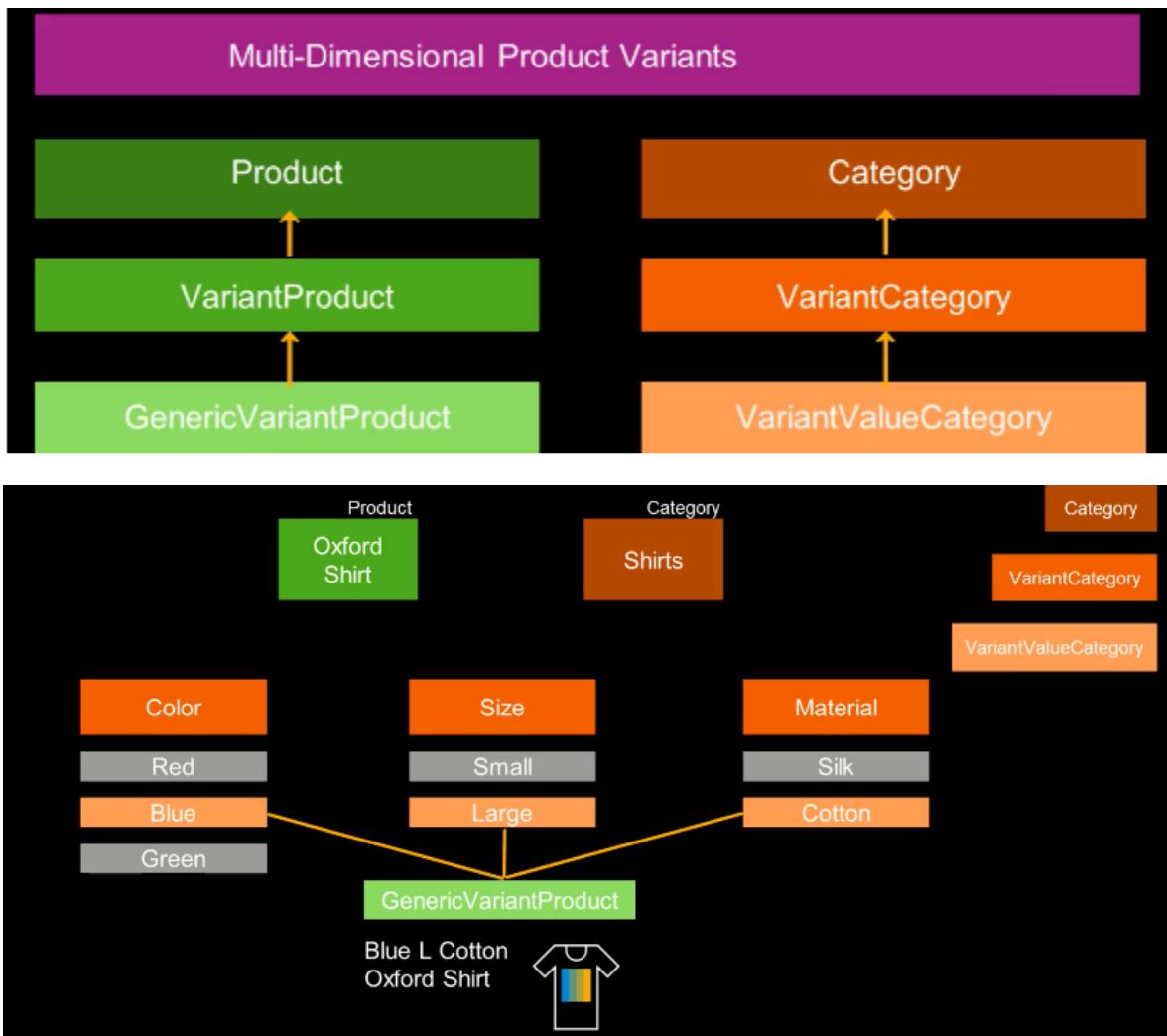
W

SIZE M, £101.21 30

We can also add new Dimension from Backoffice / ImpEx

- 1 +





Endurance PR Waterproof 6" Steel Toe

Not secure | localhost:9002/yb2bacceleratorstorefront/powertools/en/USD/Open-Catalogue/Safety/Footwear/Men%27s/Endurance-PR-Waterproof-6"...

POWER DRILLS ANGLE GRINDERS SCREWDRIVERS SANDERS MEASURING & LAYOUT TOOLS HAND TOOLS SAFETY

HOME / OPEN CATALOGUE / SAFETY / FOOTWEAR / MEN'S / ENDURANCE PR WATERPROOF 6" STEEL TOE

**Endurance PR Waterproof 6" Steel Toe** | ID 47591000

\$85.00 - \$97.00

Endurance PR Waterproof 6" Steel Toe

## Product review summary

★★★★★ | Write a Review



COLOR		
		
FIT		
<input type="text" value="M"/>		
SIZE		
<input type="text" value="5"/>		

## Now -- Let's see how do the property values get assigned?

The screenshot shows the SAP CX Backoffice Product Cockpit interface. On the left, there is a sidebar with icons for catalogs, products, and core attributes. The main area displays a list of products. Two instances of the same product, "Endurance PR Waterproof 6" Steel Toe [47591000] - Powertools Product Catalog", are shown. Each instance has a green checkmark next to it. The product images are identical brown steel-toe boots.

The screenshot shows the SAP CX Backoffice Product Cockpit interface for the product "Endurance PR Waterproof 6" Steel Toe [47591000] - Powertools Product Catalog". The "CATEGORY SYSTEM" tab is highlighted with a green oval. A callout box with a red arrow points from the "Supercategories" section to this tab, stating: "We can see -- Product is assigned to 3 VariantValueCategories, which correspond to the product's size, fit and color displayed on the storefront." The "Supercategories" listed are Men's [1805] - Powertools Product Catalog : Online, Color [B2B\_Color] - Powertools Product Catalog : Online, Fit [B2B\_Fit] - Powertools Product Catalog : Online, and Size [B2B\_Size] - Powertools Product Catalog : Online. The "DATA QUALITY" section on the right shows "CORE ATTRIBUTES" with a green progress bar and "MARKETING ATTRIBUTES" with a red progress bar.

## Scenario = PCM – Configuring the Cross-Selling Component?

Vendor displays related products when customer is in “PDP [ Product Details Page]”. This maximize cross-selling potential

PowerShot A480 | ID 1934793

Product review summary

★★★☆☆ (2) | Show Reviews | Write a Review

\$90.77

PowerShot A480 - 10.0 MP, 3.3x optical, DIGIC III, 2.5" LCD, red

CONFIGURE

ADD TO CART

PICK UP IN STORE

You may also like...

Product References Component  
This can be added using SmartEdit.

## ==> Goto SmartEdit & Change

SmartEdit

Not secure | localhost:9002/smaredit/#!/storefront

SAP SmartEdit

Advanced Edit

BRANDS DIGITAL CAMERAS FILM CAMERAS HAND HELD CAMCORDER WEBCAMS POWER SUPPLIES FLASH MEMORY CAMERA ACCESSORIES & SUPPLIES

HOME / OPEN CATALOGUE / CAMERAS / DIGITAL CAMERAS / DIGITAL COMPACTS / POWERSHOT A480 Goto Same Location

PowerShot A480 | ID 1934793

Product review summary

★★★☆☆ (2) | Show Reviews | Write a Review

\$90.77

PowerShot A480 - 10.0 MP, 3.3x optical, DIGIC III, 2.5" LCD, red

CONFIGURE

ADD TO CART

PICK UP IN STORE

**Product References Component Editor**

- Display Product Prices
- Display Product Titles
- Maximum Number Of Products
- Product Reference Types
  - Similar
  - Select
  - Spare part
  - Others
  - Upselling
  - Cross-Selling

## ==> Goto Backoffice

**Administration Cockpit**

Filter tree (Alt+Down for options)

SEARCH

Article Number	Identifier	Status	Catalog version
1934793	PowerShot A480	● ✓ ⓘ	Electronics Product Catalog

0 ITEMS SELECTED

PowerShot A480 [1934793] - Electronics Product Catalog : Staged

REFRESH

PROPERTIES ATTRIBUTES BUNDLING CATEGORY SYSTEM PRICES MULTIMEDIA VARIANTS EXTENDED ATTRIBUTES REVIEWS

Product references

- ACCESSORIES -> 4GB CF Car...
- ACCESSORIES -> 32GB SDHC...
- SIMILAR -> DSC-H20 [19784...
- SIMILAR -> PowerShot A480 ...

Product references

- ACCESSORIES -> 4GB CF Car...
- ACCESSORIES -> 32GB SDHC...
- ACCESSORIES -> 4GB CF Car...
- SIMILAR -> DSC-H20 [19784...
- SIMILAR -> PowerShot A480 ...

**Product References attribute allows us to group together the different types of related products we might want to cross-reference.**

**Scenario = Explain ProductReferences (or) How we can configure Similar Items (or) How we can configure “Cross-Selling” Products (or) How we can configure “Upselling” products (or) ....?**

The screenshot illustrates the configuration of ProductReferences in a commerce system, showing the XML schema, database schema, and the resulting interface.

**XML Editor:** The left panel shows the XML file `catalog-items.xml`. It contains an `<enumtype>` section defining reference types like `ACCESSORIES`, `BASE_PRODUCT`, etc., and an `<itemtype code="ProductReference">` section defining the `ProductReference` item type with various attributes such as `qualifier`, `target`, and `referenceType`.

**Database Schema:** The top right panel shows the database schema for `ProductReferences` with columns like `COLUMN_NAME`, `TYPE_N...`, and `IS_NULLA...`. A specific row for `PRODUCTREFERENCE` is highlighted.

**Backoffice UI:** The bottom right panel shows the `Commerce` backoffice interface. The sidebar navigation includes `types`, `System` (with `Types` selected), `Search and Navigation`, `Catalog`, and `Product Variant Types`. The main area displays a search bar with `productreference` and a `SEARCH` button. Below the search bar is a table with columns `Identifier` and `Name`, showing a single entry for `ProductReference`. At the bottom, there are tabs for `COMMON`, `PROPERTIES`, `XML REPRESENTATION`, and `EXTENDED`.

types

System

Types

Search and Navigation

Indexed Types

Catalog

Product Variant Types

SAVED QUERIES

No queries

SEARCH

Sourceproduct

Targetproduct

Qualifier

0 ITEMS SELECTED

OTHERS > 1300 Broadcast Pack [1678256] - Powertools Product Catalog : Online

REFRESH

COMMON ADMINISTRATION

Sourceproduct

Targetproduct

Cordless Screwdriver & Sock...

1300 Broadcast Pack [1678256]

**ProductReferences** table mainly has 4 important Cols: -

- |                   |                   |
|-------------------|-------------------|
| 1) Source Product | 2) Target Product |
| 3) Reference Type | 4) Active         |

Beacon Jacket lime XXL | Snow Ja x Explorer: Administrator@localhost:9002/acceleratorstorefront/en/Categories/Snowwear-men/Snow-Jackets/Beacon-Jacket/p/300441363

BRANDS STREETWEAR SNOW ACCESSORIES YOUTH

HOME / CATEGORIES / SNOWWEAR MEN / SNOW JACKETS / BEACON JACKET

Beacon Jacket lime XXL | 300441363 Source Product (In ProductReference)

You may also like.

Similar Items

Limited Jacket summer green S £485.96

Kampai Jacket black/black/dark copper S

Bender Jacket blackout S £97.16

Andover Jacket cardinal S £129.56

COLOUR: lime

£101.21

Who can say no to fresh roast bacon?! Then you should also say Yes to the Beacon Jacket b Armada. This jacket doesn't only has style but also super features, which convince.

Target Products (In ProductReference)

**Catalog**

- Categories
- Product Variant Types
- Catalog Browser
- Products** (highlighted)
- Units
- Keywords
- Catalog Management Tools
- Classification Systems
- Multimedia
- User
- Order
- Price Settings
- Internationalization
- Marketing
- Cockpit
- Scripting
- WCMS
- Ticket System
- Base Commerce
- DeepLink URLs
- B2B Commerce
- B2B Approval Process

**Editor - Apparel Size Variant**

Save Reload Copy Delete Start Synchronization for this product

Properties	Attributes	Category System	Prices	Multimedia	Variants	Extended Attributes	Catalog Versions	BMEcat	Future Stock	Stock	...
Article Number:	300441363		Identifier:	Beacon Jacket lime XXL		Approval:	approved				
Catalog version:	apparelProductCatalog - Online		Approval:								
Base Product:	100191_lime - Beacon Jacket lime - (ap)										

**Categories Containing This Product**

Supercategories:

	Identifier	Description	Catalog version
190100	n/a	apparelProductCatalog - Online	
snow	n/a	apparelProductCatalog - Online	
Armada	n/a	apparelProductCatalog - Online	

Classified as:

	Identifier	Description	Classification System Version
The list is empty.			

**Products referenced by this product (accessories, cross selling, etc.)**

Product references:

Type	Marketingtext	Preselected	Active	Targetproduct
Follow up		<input type="checkbox"/>	<input checked="" type="checkbox"/>	300399859 - Annex F
Cross-Selling		<input type="checkbox"/>	<input checked="" type="checkbox"/>	300615227 - Solo Pa
Cross-Selling		<input type="checkbox"/>	<input checked="" type="checkbox"/>	300453357 - Trace H
Similar		<input type="checkbox"/>	<input checked="" type="checkbox"/>	300678854 - Limited
Similar		<input type="checkbox"/>	<input checked="" type="checkbox"/>	300427204 - Kampai
Similar		<input type="checkbox"/>	<input checked="" type="checkbox"/>	300399420 - Bender

**Inbox**

- System
- Catalog**
- Catalogs
- Catalog Versions
- Categories
- Products**

**SAVED QUERIES**

No queries

**Editor - Apparel Product Catalog : Online**

Article Num... Identifier Status Catalog version

300441363 Beacon Jacket lime XXL ✓ Apparel Product Catalog : Online

0 ITEMS SELECTED

**Beacon Jacket lime XXL [300441363] - Apparel Product Catalog : Online**

**CATEGORY SYSTEM**

Properties Attributes Category System Prices Multimedia Variants Extended Attributes Reviews BMECAT Stock

**Product references**

- CROSSELLING -> Annex Pant bl...
- CROSSELLING -> Solo Parent...
- CROSSELLING -> Trace Helm ...

**Promotions**

**Catalog**

- Catalogs
- Catalog Versions
- Categories
- Products**

**SAVED QUERIES**

No queries

**Editor - Apparel Product Catalog : Online**

Article Num... Identifier Status Catalog version

300441363 Beacon Jacket lime XXL ✓ Apparel Product Catalog

0 ITEMS SELECTED

**Beacon Jacket lime XXL [300441363] - Apparel Product Catalog : Online**

**CATEGORY SYSTEM**

Properties Attributes Category System Prices Multimedia Variants Extended Attributes Reviews BMECAT

**Product references**

- CROSSELLING -> Annex Pant bl...
- CROSSELLING -> Trace Helm bl...

**Promotions**

Package Explorer

```

13 # Macros / Replacement Parameter definitions
14 $productCatalog=apparelProductCatalog
15 $catalogVersion=catalogversion(catalog(id[default=$productCatalog]),version[default='Stage'])
16
17 # Insert Product References
18 INSERT_UPDATE ProductReference source(code,$catalogVersion)[unique=true];target(code,$catalogVersion)
19 ;100746_flogging_pink;100744_pool_green;SIMILAR
20 ;94374_air;94714_blue;SIMILAR
21 ;94374_air;94714_royal;SIMILAR
22 ;94374_air;95464_team_blue;SIMILAR
23 ;94374_air;122312_lime;CROSELLING
24 ;94374_air;117911_white;CROSELLING
25 ;94374_air;92905_brown_w+bronze_flash;CROSELLING
26 ;95464_nori_population;95464_gold_medal_panhandle;SIMILAR
27 ;95464_nori_population;95464_astro_turf_dot_matrix;SIMILAR
28 ;95464_nori_population;132871_deepest_black;CROSELLING
29 ;95464_nori_population;117909_white;CROSELLING
30 ;95464_nori_population;122059_white;CROSELLING
31 ;95464_nori_population;92905_brown_w+bronze_flash;CROSELLING
32 ;84574_seaweed;121924_fire_red;CROSELLING
33 ;84574_seaweed;121939_black;CROSELLING
34 ;84574_seaweed;84574_white7;SIMILAR
35 ;84574_seaweed;121868_heron_blue;SIMILAR
36 ;84574_seaweed;121868_black;SIMILAR
37 ;121868_black;124693_black;CROSELLING
38 ;121868_black;121941_logo;CROSELLING

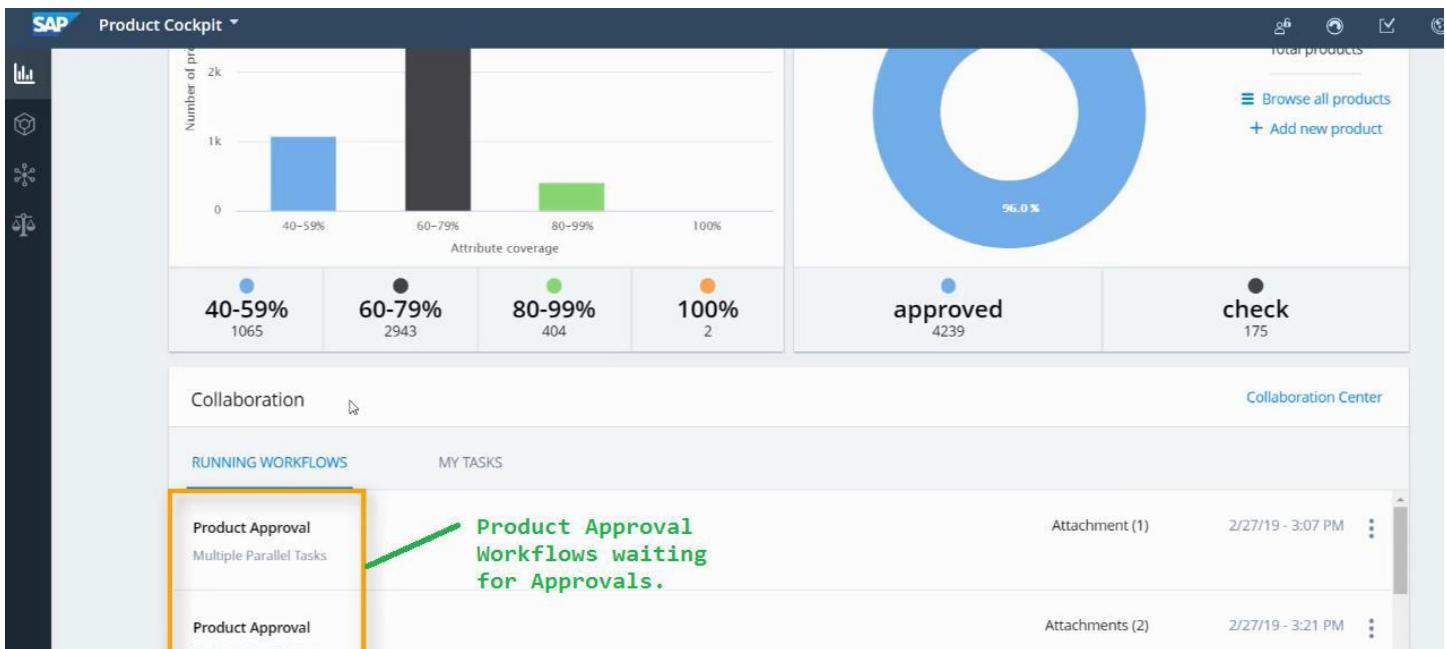
```

Info Content Row Count Columns Primary Key Exported Keys Imported Keys Indexes Privileges

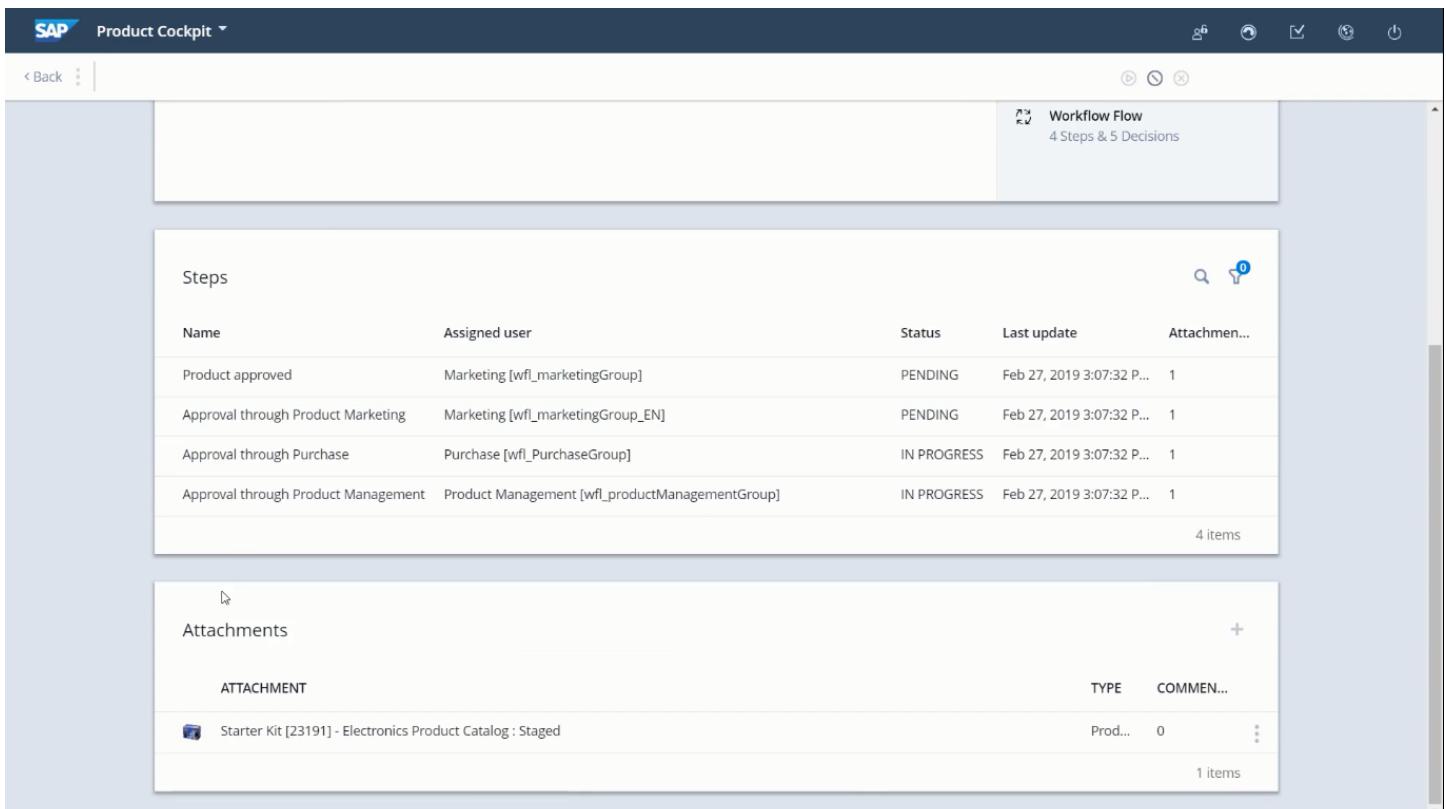
	QUANTITY	P_REFERENCECTYPE	P_ICON	P_PRESEL...	P_ACTI...	P_SOURC...	P_SOURCE
PRODUCTFEATURES611SN	ull>	8796101509211	<null>	0	1	0	8796093644801
PRODUCTORDERLIM2000SN	ull>	8796101509211	<null>	0	1	1	8796093644801
PRODUCTORDERLIMITS	ull>	8796101509211	<null>	0	1	0	8796106850305
PRODUCTPROPS	ull>	8796101410907	<null>	0	1	0	8796096462849
PRODUCTREFERENC606SN	ull>	8796101410907	<null>	0	1	1	8796096462849
<b>PRODUCTREFERENCES</b>	ull>	8796101410907	<null>	0	1	0	8796096495617
PRODUCTREFERENCESLP	ull>	8796101410907	<null>	0	1	0	8796097806337
PRODUCTS	ull>	8796101410907	<null>	0	1	0	8796101246977
PRODUCTS1SN	ull>	8796101410907	<null>	0	1	1	8796101246977
PRODUCTS4RESTRI1081SN	ull>	8796101410907	<null>	0	1	2	8796101410817
PRODUCTS4RESTRICTION	ull>	8796101410907	<null>	0	1	0	8796102623233
PRODUCTSLP	ull>	8796101410907	<null>	0	1	0	8796102721537
PRODUCTTAXCODES	ull>	8796101410907	<null>	0	1	0	8796141027329
PRODUCTTAXCODES2026SN	ull>	8796101410907	<null>	0	1	0	8796142338049
PRODUCTVENDORRE2010SN	ull>	8796101410907	<null>	0	1	0	8796145942529
PRODUCTVENDORREL	ull>	8796101410907	<null>	0	1	0	8796147154945
PROMOTION	ull>	8796101410907	<null>	0	1	0	8796147253249
PROMOTION5010SN	ull>	8796101410907	<null>	0	1	0	
PROMOTIONACTION	ull>	8796101410907	<null>	0	1	0	
PROMOTIONACTION5010SN	ull>	8796101410907	<null>	0	1	0	

## Scenario = Approve a Product Using the Welcome Dashboard in SCC?

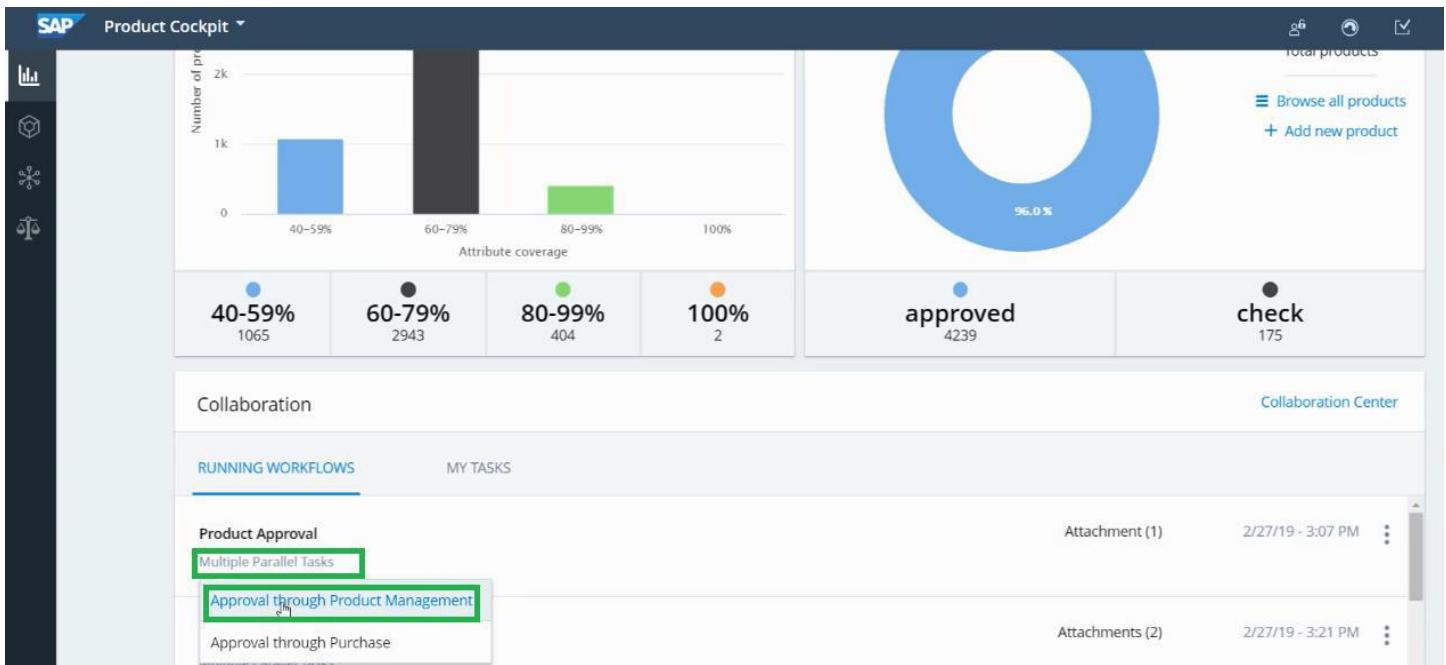
Step 1 = Goto Product Cockpit & You can see Collaboration Component



Step 2 = Open 1 Workflow by Clicking on Title & You can see full details



## Step 3 = Perform Approval Operations



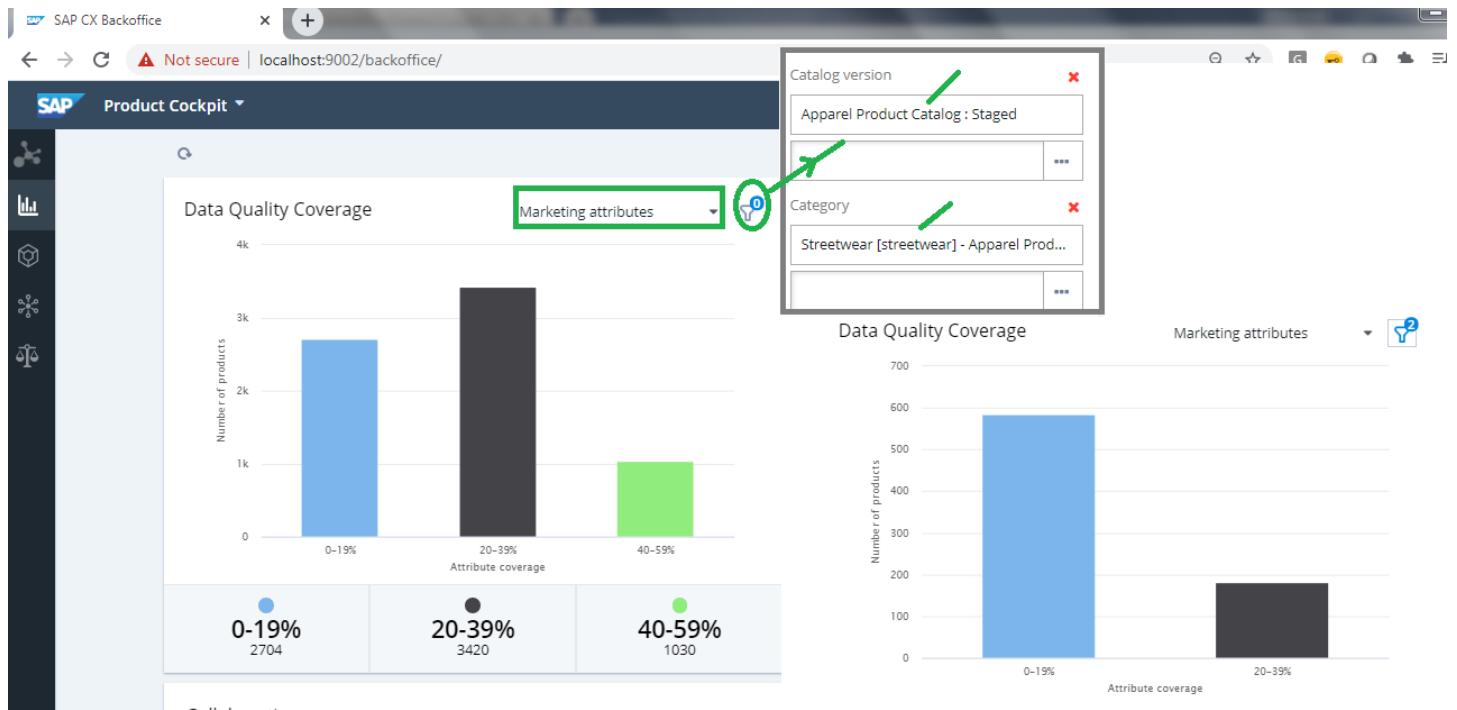
This screenshot shows the 'PROPERTIES' tab of a product's details. In the 'ESSENTIAL' section, the 'Identifier' field is set to 'Starter Kit'. The 'Approval' dropdown is set to 'approved' (highlighted with a green box). To the right, there's a preview image of a Sony Starter Kit and its catalog version information.

This screenshot shows the 'PROPERTIES' tab with a 'Sync' dialog open. Step 1: A 'Sync' dialog is shown with 'PUSH TO TARGET' selected. Step 2: A confirmation message 'Step 2' is displayed. Step 3: A 'CONFIRM' button is highlighted with a green box. A note at the bottom right says 'Catalog Synchronization out of sync'.

## Scenario = Filter the Product Catalog Using Welcome Dashboard in SCC?

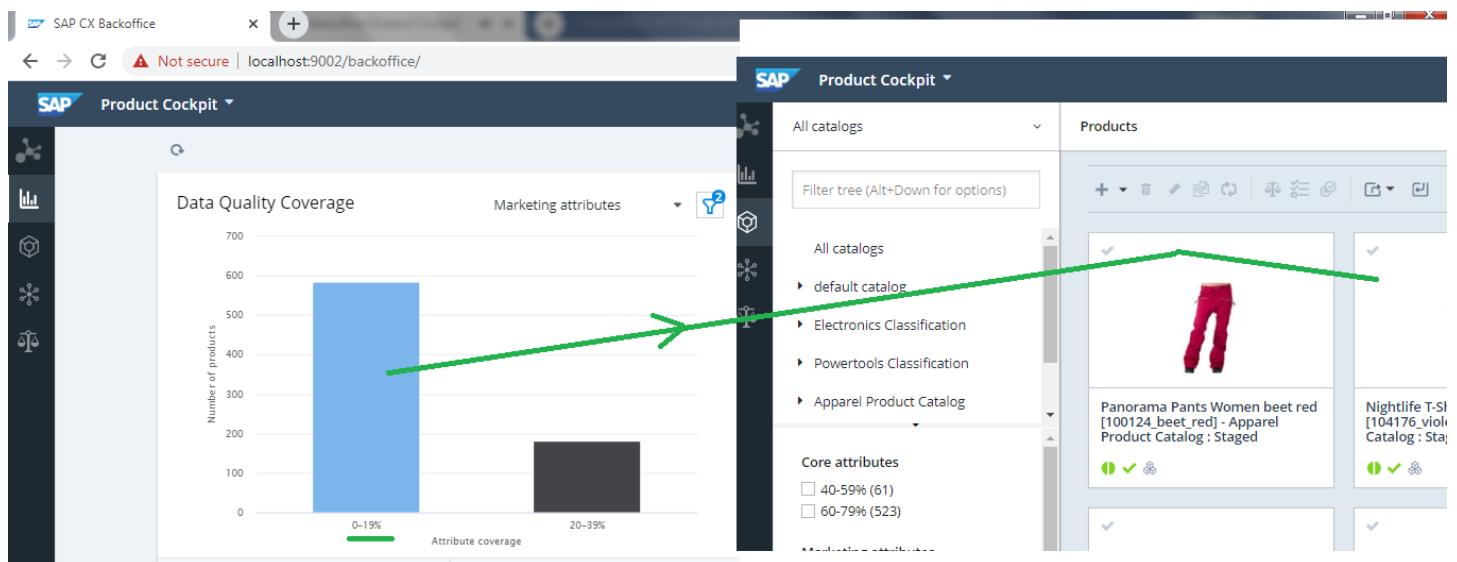
Req = See Data Quality Coverage of Products [Marketing Attributes, Streetwear Category & Staged Apparel Product Catalog].

Step 1 = Goto Product Cockpit & You can see Data Quality Coverage Component

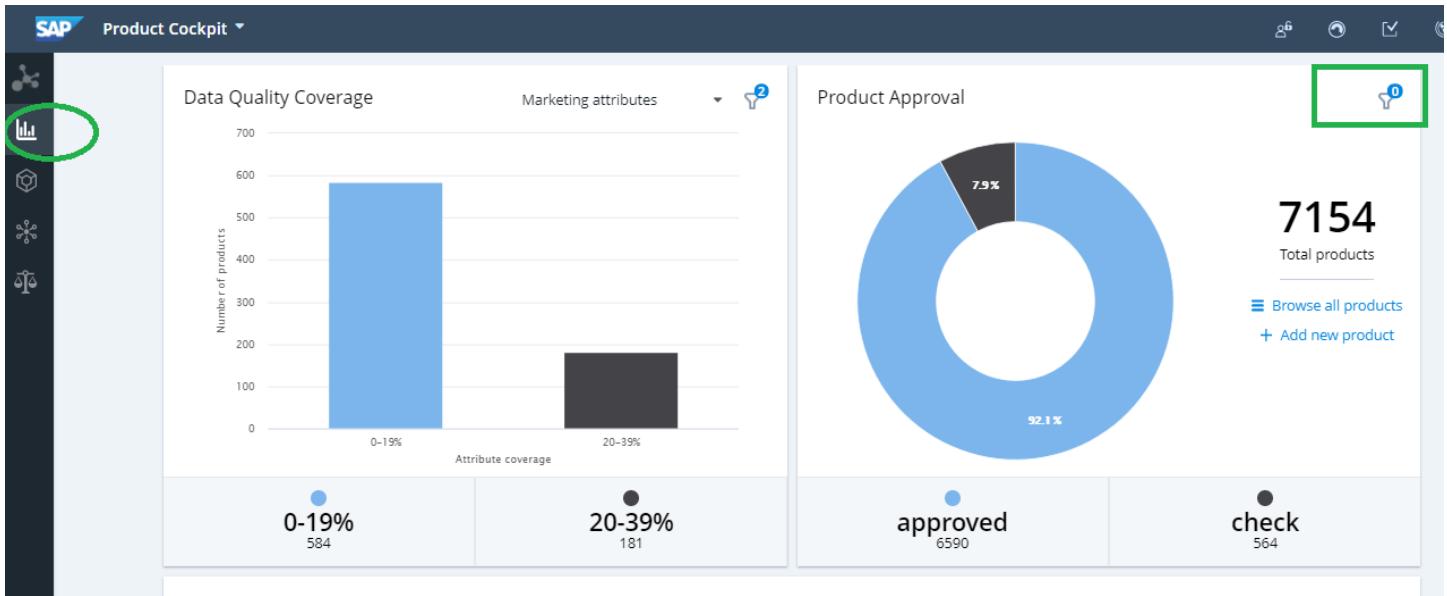


Now – We want to see Products with 0 – 19% Coverage?

For this – Just click on Dashboard Bar.

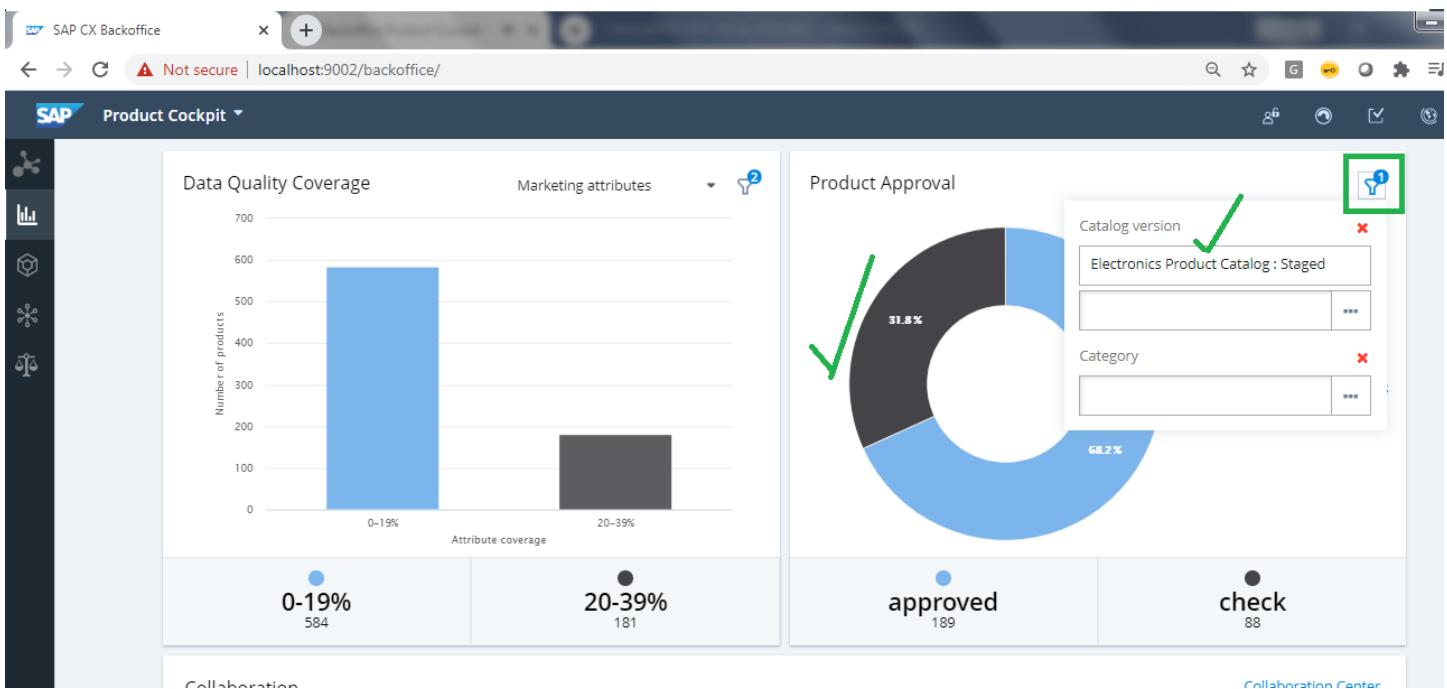


We want to see How many Products are Check Status in Staged Electronics Product Catalog?



Apply Filter = Electronics Product Catalog: Staged

Now we can see 31.8% products are having Status = Check.



## Scenario = Add Media to a Product in SCC?

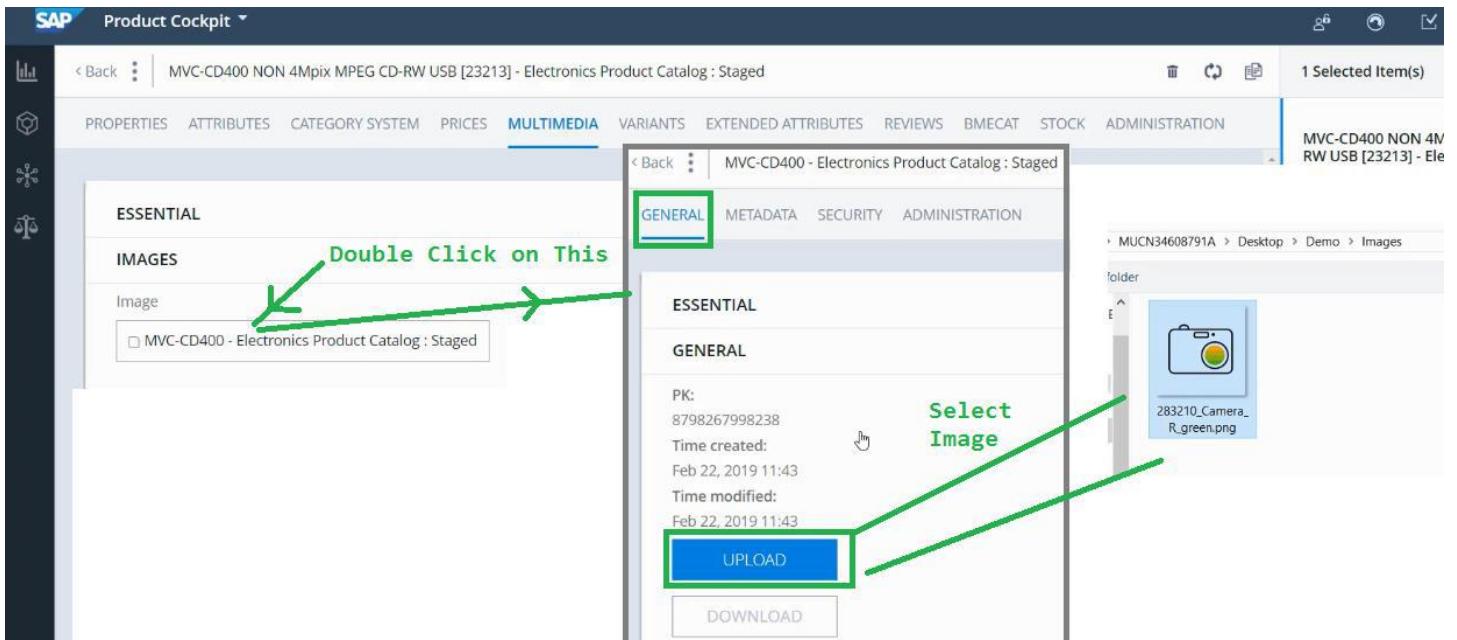
### Step 1 = Open the Product

The screenshot shows the SAP Product Cockpit interface. On the left, there is a navigation tree under 'All catalogs' with categories like 'default catalog', 'Electronics Classification', and 'Apparel Product Catalog'. A green circle highlights the 'default catalog' icon. In the center, a grid displays three products: 'Starter Kit [23191] - Electronics Product Catalog : Staged' (image of a blue box), 'DSC-P71 NON 3.2Mpix 16MB MPEG USB [23210] - Electronics Product Catalog : Staged' (image of a silver camera), and 'MVC-CD400 NON 4Mpix MPEG CD-RW USB [23213] - Electronics Product Catalog : Staged' (image of a black square). A green checkmark points to the third product.

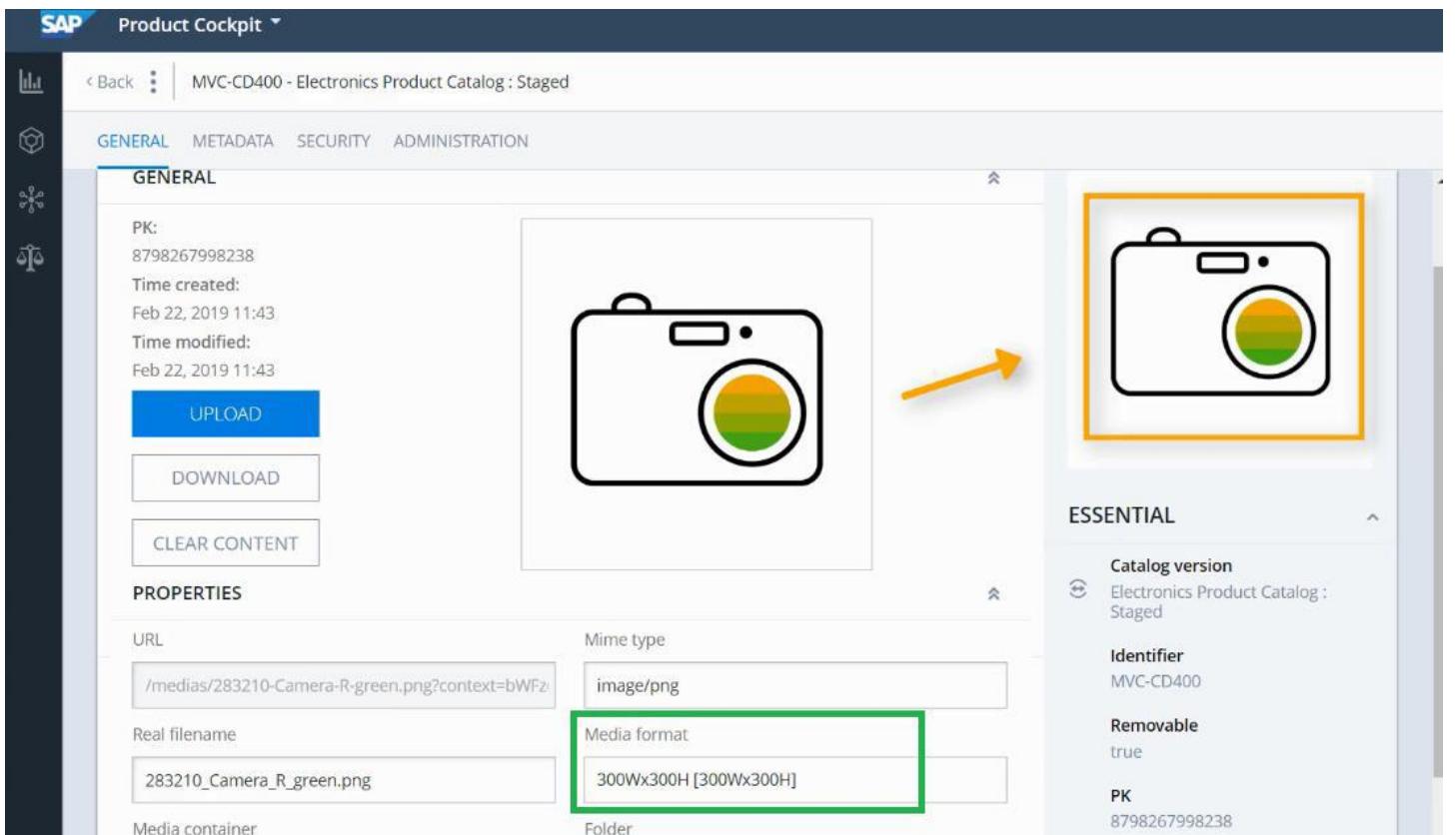
### Step 2 = Upload New Product Image / Video

The screenshot shows the SAP Product Cockpit interface for the 'MVC-CD400 NON 4Mpix MPEG CD-RW USB [23213]' product. The 'MULTIMEDIA' tab is highlighted with a green box. On the left, the 'IMAGES' section shows a list of existing media files, with one item ('xpCanonLoverElec\_480x320\_HomeSpeed\_EN\_ + 480W.jpg') highlighted by a green box. A green arrow points from this item to a 'Create new Media' button, which is also highlighted with a green box. On the right, a 'Create New Media' dialog box is open, showing fields for 'Identifier' (MVC-CD400), 'Catalog version' (Electronics Product Catalog : Staged), and 'Removable' status (True). A green arrow points from the 'Identifier' field to the 'DONE' button at the bottom right of the dialog.

## Step 3 = Upload the File [Add media to Product]



## Step 4 = Specify the Image format



# Scenario = Bulk Edit Products Using Excel Export / Import in SCC?

## Step 1 = Goto Product Cockpit

– Select Catalog [Electronics] & Version [Staged]

-- Select Couple of Products – Export Excel

-- Include required attributes – Export

The screenshot shows the SAP CX Backoffice Product Cockpit interface. On the left, the navigation sidebar is visible with various icons and sections like 'All catalogs', 'Electronics Product Catalog' (selected), 'Staged', 'Core attributes', and 'Marketing attributes'. A green circle highlights the 'Electronics Product Catalog' section. In the center, the 'Products' grid displays several items, with one item ('Starter Kit') having a green arrow pointing to it. An 'Export Excel' button is highlighted with a green box. Below the grid, the 'Export Excel file' dialog is open, showing 'PRODUCTS ATTRIBUTES' and 'CLASSIFICATIONS ATTRIBUTES' sections. Under 'Included attributes', 'Approval' is checked with a green checkmark. At the bottom right of the dialog, the 'EXPORT' button is highlighted with a yellow box and a green checkmark. Navigation buttons 'CANCEL', 'NEXT', and 'EXPORT' are also visible.

## Step 2 = Do the changes in Excel [Change Status = Check]

Name	A	B	C
Product_2020-09-11_0822	Approval	Article Number*^	Catalog version*^
	1		CatalogVersion.version:Catalog.id
	2		
	3		
	4	check	Staged:electronicsProductCatalog
	5	check	Staged:electronicsProductCatalog

## Step 3 = Import Excel Products

SAP CX Backoffice | localhost:9002/backoffice/

Product Cockpit

All catalogs

- Apparel Product Catalog
- Electronics Product Catalog**
  - Staged**
- Uncategorized products
- Open Catalogue

Core attributes

- 40-59% (1)
- 60-79% (91)
- 80-99% (185)

Products

Import Excel file

Import Excel File:

Select File

Attach media zip:

Up to 10 MB

CANCEL IMPORT

## Import Process Results =

SAP CX Backoffice | localhost:9002/backoffice/

Product Cockpit

All catalogs

- Apparel Product Catalog
- Electronics Product Catalog**

Processes

Excel importing - Product\_2019-01-30\_1732.xlsx

ExcellImportProduct201901301732xlsx8169876896904072791

finished Wed, Jan 30, 5:39 PM

FINISHED

**Scenario = Upload Media to Backoffice Product Cockpit Using Excel for New Products in SCC?**

**Step 1 = Goto Backoffice Product Cockpit – Download Excel Template**

Note = Use “Download Excel Template” for New Products.

Use “Export Excel” for Existing Products.

The screenshot shows the SAP CX Backoffice Product Cockpit interface. On the left, there's a sidebar with icons for All catalogs, Products, and Classifications. The 'Products' icon is highlighted with a green box. The main area shows a list of products, with one item selected and a preview image of a cap. A context menu is open over the selected product, with options: Export Excel (disabled), Download Excel Template (highlighted with a green box), and Download CSV. Below this, there's a 'Classifications attributes' dialog box. It has sections for Excluded attributes (with two items: Electronics Classification : 1.0 and Powertools Classification : 1.0) and Included attributes (empty). There are 'ADD' and 'REMOVE' buttons between the two sections. At the bottom right of the dialog are 'CANCEL' and 'EXPORT' buttons, with a yellow arrow pointing to the 'EXPORT' button.

## Step 2 = Now Make Excel Template Ready & Put Images in proper places

The screenshot shows a Microsoft Excel spreadsheet titled "Product\_2020-09-11\_1258 - Saved". The spreadsheet has columns A through E. Column A contains catalog version numbers (1, 2, 3, 4, 5). Column B contains article numbers (S0001, U0001). Column C contains descriptions (Supercategories+, category:catalog:version, shoes:apparelProductCatalog:Staged, 220000:apparelProductCatalog:Staged). Column D contains identifiers (Identifier[en], Chenna RRRS Formal Leather, Chenna RRRS Umbrella). Column E contains image paths (filePath:code:catalog:version:folder ::apparelProductCatalog:Staged, umbrella/Lighthouse.jpg, Penguins.jpg). The "Clipboard" ribbon tab is selected. The formula bar shows "shoes:apparelProductCatalog:Staged". The status bar at the bottom left says "C4".

Step 3 = Now ZIP the images [Select folder – umbrella & file – Penguins.jpg and zip once]

The screenshot shows a file manager interface with a sidebar on the left. In the main area, there are three items: "umbrella", "Penguins", and "Product\_2020-09-11\_1258". A context menu is open over the "umbrella" item, with the "7-Zip" option highlighted. To the right, another file manager window shows the same three items, with the word "Results" written in green above the "umbrella" item.

## Step 4 = Import the files

The screenshot shows the SAP Product Cockpit interface. On the left, there's a navigation tree under "All catalogs" with categories like "default catalog", "Electronics Classification", "Powertools Classification", and "Apparel Product Catalog". The main area is titled "Products" and shows a toolbar with various icons. A dialog box titled "Import Excel file" is open. It contains an "Import Excel File:" field with "Product\_2020-09-11\_1258.xlsx" selected, and an "Attach media zip:" field with "ImageUpload.zip" selected. Both fields have green checkmarks. At the bottom right of the dialog box is a yellow "IMPORT" button, which also has a green checkmark. A green checkmark is also present in the top right corner of the dialog box.

## Step 5 = Results

SAP Product Cockpit - Products

All catalogs

Filter Tree entries

All catalogs

- default catalog
- Electronics Classification
- Apparel Product Catalog
- Electronics Product Catalog

Products

Image	Product Name	Image	Product Name	Image	Product Name	Image	Product Name
	Snowboard Ski Tool Red FBI 6 [300013358]		Shades Von Zipper Fernstein gold moss gradient [300015407]		Snowboard Ski Tool Red FBI 6 [300013358]		Shades Von Zipper Fernstein gold moss gradient [300015407]
	Formal Leather Shoe [S0001]		Sturdy Umbrella [U0001]				

**Scenario = Compare Products in the Backoffice Product Cockpit in SCC?**

**Solution 1 =**

SAP CX Backoffice | localhost:9002/backoffice/

Add item for comparison

Product  Global Operator: And  Include subtypes

Attribute	Comparator	Value	Sort Order
Article Number	Contains	<input type="text"/>	<input type="button"/>

0 items selected

<input type="checkbox"/>	Article Number	Identifier	Status	Catalog version
<input checked="" type="checkbox"/>	300441142	Cap Blue Tomato BT Snow Trucker Cap black		Apparel Product Catalog : Staged
<input checked="" type="checkbox"/>	29531	Snowboard Ski Tool Toko Side Edge Angle Pro 88 Grad		Apparel Product Catalog : Staged
<input checked="" type="checkbox"/>	29532	Snowboard Ski Tool Toko Side Edge Tuning Angle Pro 87 Grad		Apparel Product Catalog : Staged
<input type="checkbox"/>	29533	Snowboard Ski Tool Toko Fren Multi Guide yellow		Apparel Product Catalog : Staged

**Results =**

SAP CX Backoffice x + A Not secure | localhost:9002/backoffice/

SAP Product Cockpit ▾

3 items selected

			
Add items	<a href="#">Cap Blue Tomato BT Snow Trucker Cap black [300441142] - Apparel Product Catalog : Staged</a>	<a href="#">Snowboard Ski Tool Toko Side Edge Angle Pro 88 Grad [29531] - Apparel Product Catalog : Staged</a>	<a href="#">Snowboard Ski Tool Toko Side Edge Tuning Angle Pro 87 Grad [29532] - Apparel Product Catalog : Staged</a>
Overview	● ✓ ⚡	●	●
Properties	●	●	●
Attributes			
Bundling			
Category System	●	●	●
Prices	●	●	●
Multimedia	●	●	●

Note = Red Color indicates there are differences.

## Solution 2 =

The screenshot shows the SAP CX Backoffice Product Cockpit interface. On the left, there's a sidebar with icons for catalogs, products, and other features. The 'catalogs' icon is highlighted with a green box. The main area shows a tree view under 'All catalogs' with options like 'default catalog', 'Electronics Classification', 'Powertools Classification', and 'Apparel Product Catalog'. To the right, there's a 'Products' section with a toolbar containing various icons. Below the toolbar, three product cards are displayed, each with a 'Select' button and a preview image: 'Cap Blue Tomato BT Snow Trucker', 'Snowboard Ski Tool Toko Side', and 'Snowboard Ski Tool Toko Side'. A red box highlights the 'Select' button in the first card.

## Results =

SAP CX Backoffice | Not secure | localhost:9002/backoffice/

Product Cockpit

3 items selected

Article Number	Identifier	Catalog version	Approval
300441142	Cap Blue Tomato BT Snow Trucker Cap bla ck	Apparel Product Catalog : Staged	approved
29531	Snowboard Ski Tool Toko Side Edge Angle Pro 88 Grad	Apparel Product Catalog : Staged	approved
29532	Snowboard Ski Tool Toko Side Edge Tuning Angle Pro 87 Grad	Apparel Product Catalog : Staged	approved

Add items  
Show Diff only

Overview Article Number Identifier Catalog version Approval Properties Attributes

**Scenario = Bulk Approve and Bulk Edit Products in SCC?**

**Step 1 = Goto Backoffice Product Cockpit – Select Multiple Products & Change the Status**

SAP CX Backoffice | Not secure | localhost:9002/backoffice/

Product Cockpit

All catalogs

Products

Filter tree (Alt+Down for options)

Approved

Check

Unapproved

UPDATE STATUS

Select Cap Blue Tomato BT Snow Trucker Cap black [300441142] - Apparel Product Catalog : Staged

Select Snowboard Ski Tool Toko Side Edge Angle Pro 88 Grad [29531] - Apparel Product Catalog : Staged

Select Snowboard Ski Tool Toko Side Edge Tuning Angle Pro 87 Grad [29532] - Apparel Product Catalog : Staged

## Step 2 = Select Multiple Products & Do Bulk Edit

The screenshot shows the SAP CX Backoffice Product Cockpit interface. On the left, there's a sidebar with icons for catalogs, reports, and search. A green box highlights the catalog icon. The main area shows a grid of products with three items selected, each with a 'Select' button and an image. The first product is a cap, the second is a snowboard ski tool, and the third is another snowboard ski tool. Below the grid, the product details are listed:

- Cap Blue Tomato BT Snow Trucker Cap black [300441142] - Apparel Product Catalog : Staged
- Snowboard Ski Tool Toko Side Edge Angle Pro 88 Grad [29531] - Apparel Product Catalog : Staged
- Snowboard Ski Tool Toko Side Edge Tuning Angle Pro 87 Grad [29532] - Apparel Product Catalog : Staged

The screenshot shows the 'Bulk Edit' dialog. At the top, there are three tabs: 'PICK ATTRIBUTES', 'CHANGE VALUES', and '[OPTIONAL] VALIDATION'. The 'PICK ATTRIBUTES' tab is active, showing the sub-step 'What do you want to edit?'. Below this, there are two sections: 'Excluded attributes' (empty) and 'Included attributes' (empty). In the center, there's a vertical bar with arrows and a 'REMOVE' button at the top and an 'ADD' button highlighted with a green circle at the bottom. A large green annotation text 'Include Required Attributes for Edit' is overlaid on this central area. At the bottom right, there are 'CANCEL' and 'NEXT' buttons.

The screenshot shows the 'Bulk Edit' dialog with the 'CHANGE VALUES' tab active. It shows three attributes being edited:

- Approval:** A dropdown menu with 'check' selected, indicated by a green checkmark.
- Carousel Components:** An input field with a green checkmark, with a 'Clear value' button and an 'Append to existing' checkbox.
- Description:** An input field containing 'Chenna RRRS - Bulk Edit', indicated by a green checkmark, with a 'Clear value' button.

At the bottom, there's a 'Validate all Attributes' link and a row with 'BACK', 'CANCEL', and 'UPDATE' buttons. The 'UPDATE' button is highlighted with a yellow box.

SAP CX Backoffice

Product Cockpit

All catalogs

Products

Saved items: 3

## Results =

SAP CX Backoffice

Product Cockpit

Apparel Product Catalog : Staged

Properties Attributes Bundling Category System Prices Multimedia Variants Extended Attributes Reviews Stock Administration

VALIDITY PERIOD

Online from: \_\_\_\_\_ Online to: \_\_\_\_\_

DESCRIPTIONS

Description: Chennai RRRS - Bulk Edit

Sales unit: Piece [pieces]

Approval Status: check

Catalog Synchronization: sync

DATA QUALITY

CORE ATTRIBUTES

MARKETING ATTRIBUTES

3 Selected Item(s)

Cap Blue Tomato BT Snow Trucker Cap black [300441142] - Apparel Product Catalog : Staged

Snowboard Ski Tool Toko Side Edge Angle Pro 88 Grad [29531] - Apparel Product Catalog : Staged

Snowboard Ski Tool Toko Side Edge Tuning Angle Pro 87 Grad

## Scenario = Synchronize a Product or Catalog in SCC?

SAP CX Backoffice

Product Cockpit

All catalogs

Electronics Product Catalog

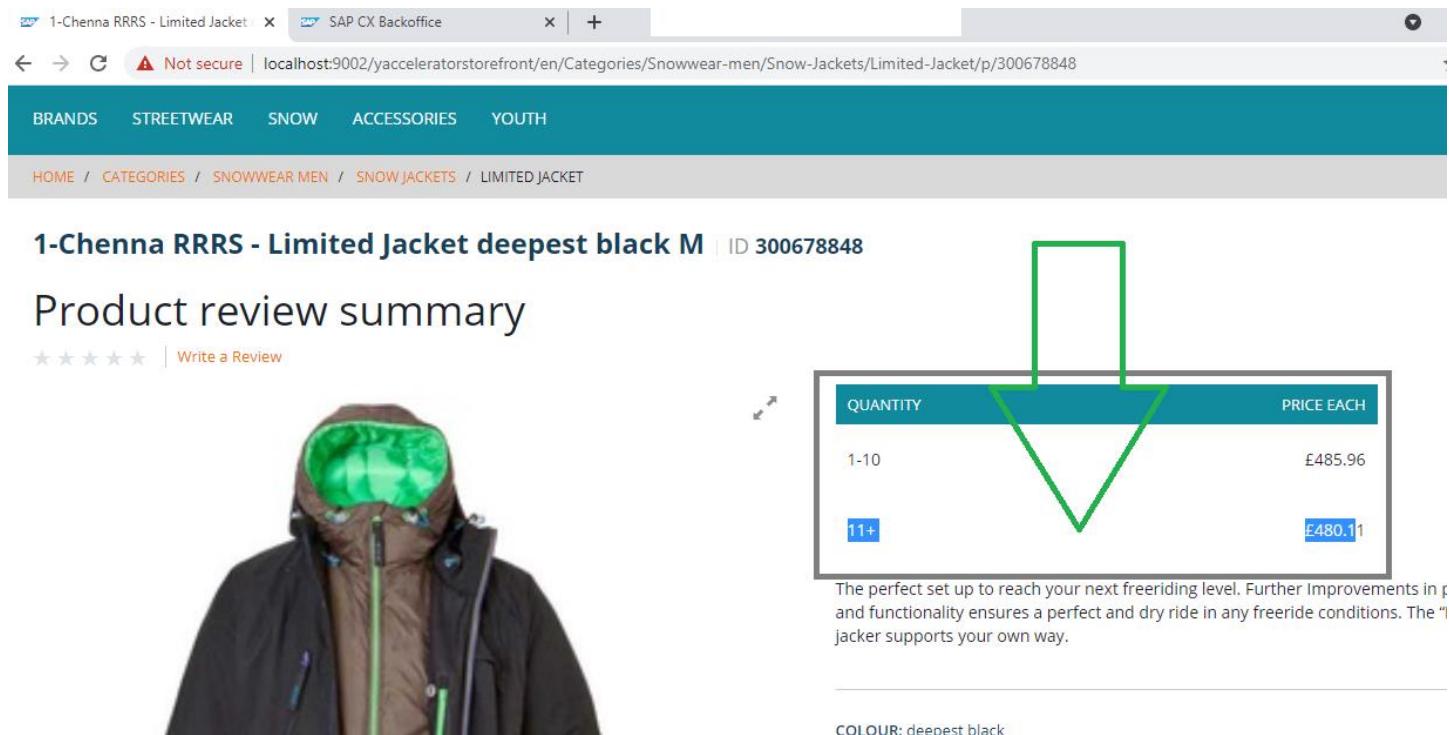
Staged

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## Scenario = Product Pricing

1) A Product can have multiple prices based on **Scale** (or) QTY

<https://localhost:9002/yacceleratorstorefront/en/Categories/Snowwear-men/Snow-Jackets/Limited-Jacket/p/300678848>



1-Chenna RRRS - Limited Jacket deepest black M | ID 300678848

Product review summary

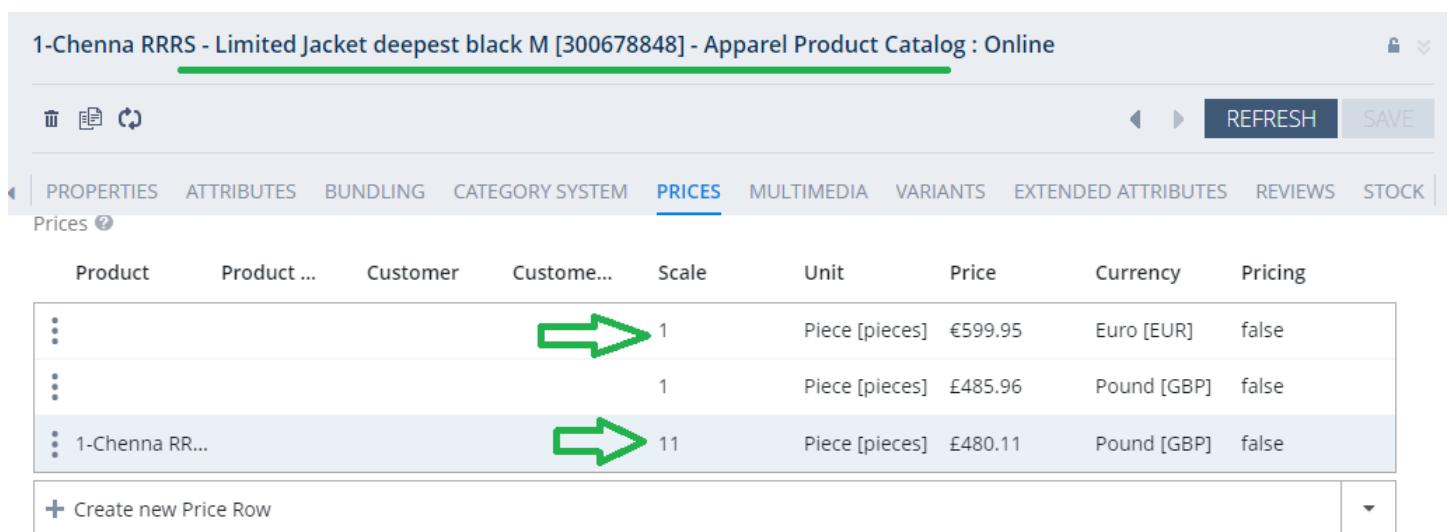
★★★★★ | Write a Review



The perfect set up to reach your next freeriding level. Further Improvements in ... and functionality ensures a perfect and dry ride in any freeride conditions. The "jacker supports your own way.

COLOUR: deepest black

QUANTITY	PRICE EACH
1-10	£485.96
11+	£480.11



1-Chenna RRRS - Limited Jacket deepest black M [300678848] - Apparel Product Catalog : Online

REFRESH SAVE

PROPERTIES ATTRIBUTES BUNDLING CATEGORY SYSTEM PRICES MULTIMEDIA VARIANTS EXTENDED ATTRIBUTES REVIEWS STOCK

Prices

Product	Product ...	Customer	Customer...	Scale	Unit	Price	Currency	Pricing
...				1	Piece [pieces]	€599.95	Euro [EUR]	false
...				1	Piece [pieces]	£485.96	Pound [GBP]	false
1-Chenna RR...				11	Piece [pieces]	£480.11	Pound [GBP]	false
+ Create new Price Row								

## 2) A Product can have multiple prices based on **Currency**

Not secure | localhost:9002/yacceleratorstorefront/en/Categories/Snowwear-men/Snow-Jackets/Limited-Jacket/p/300678848

BRANDS STREETWEAR SNOW ACCESSORIES YOUTH

HOME / CATEGORIES / SNOWWEAR MEN / SNOWJACKETS / LIMITED JACKET

1-Chenna RRRS - Limited Jacket deepest black M ID 300678848

Apparel UK  
== Pounds

### Product review summary

★★★★★ | Write a Review



£485.96

The perfect set up to reach your next freeriding level. Further Impi and functionality ensures a perfect and dry ride in any freeride cor jacker supports your own way.

Not secure | localhost:9002/yacceleratorstorefront/de/Kategorien/Snowwear-Men/Snowboard-Jacken/Limited-Jacket/p/300678848

MARKEN STREETWEAR SNOW ACCESSORIES JUGEND

STARTSEITE / KATEGORIEN / SNOWWEAR MEN / SNOWBOARD JACKEN / LIMITED JACKET

1-Chenna RRRS - Limited Jacket deepest black M ID 300678848

Apparel DE  
Curr = Euro

### Product review summary

★★★★★ | Rezension schreiben



599,95 €

Die perfekte Ergänzung um Ihr nächstes Freeriding level zu Entwicklung in Leistung und Funktionalität sorgen für eine allen Freeride Bedingungen. The "Limited" jacket supports y

1-Chenna RRRS - Limited Jacket deepest black M [300678848] - Apparel Product Catalog : Online

REFRESH SAVE

PROPERTIES ATTRIBUTES BUNDLING CATEGORY SYSTEM PRICES MULTIMEDIA VARIANTS EXTENDED ATTRIBUTES REVIEWS STOCK

Prices ?

Product	Product ...	Customer	Customer...	Scale	Unit	Price	Currency	Pricing
⋮				1	Piece [pieces]	€599.95	Euro [EUR]	false
⋮				1	Piece [pieces]	£485.96	Pound [GBP]	false
+ Create new Price Row								

### 3) A Product can have multiple prices based on Channel

1-Chenna RRRS - Limited Jacket deepest black M [300678848] - Apparel Product Catalog : Online

**REFRESH** **SAVE**

**PRICES**

Product	Product ...	Customer	Customer...	Scale	Unit	Price	Currency	Pricing
⋮				1	Piece [pieces]	€599.95	Euro [EUR]	false
⋮				1	Piece [pieces]	£485.96	Pound [GBP]	false
<a href="#">+ Create new Price Row</a>								

Create New Price Row

Create New Price Row

X

**ALL REQUIRED FIELDS** > **GENERAL**

Price:  
481.11

Currency:  
Pound [GBP]

Unit:  
Piece [pieces]

Scale:  
1

Pricing:  
 Net    Gross

**Next**

**ALL REQUIRED FIELDS** > **GENERAL**

Channel:  
 n/a  
 desktop  
 mobile

Customer Price List:

BACK CANCEL **DONE**

1-Chenna RRRS - Limited Jacket deepest black M [300678848] - Apparel Product Catalog : Online

**REFRESH** **SAVE**

**PRICES**

Product	Product ...	Customer	Customer...	Scale	Unit	Price	Currency	Pricing
⋮				1	Piece [pieces]	€599.95	Euro [EUR]	false
⋮				1	Piece [pieces]	£485.96	Pound [GBP]	false
⋮	1-Chenna RR...			1	Piece [pieces]	£481.11	Pound [GBP]	false
<a href="#">+ Create new Price Row</a>								

4) A Product can have multiple prices based on **customer / customer group**.

1-Chenna RRRS - Limited Jacket deepest black M [300678848] - Apparel Product Catalog : Online

**REFRESH** **SAVE**

**PRICES**

Product	Product ...	Customer	Custome...	Scale	Unit	Price	Currency	Pricing
...				1	Piece [pieces]	€599.95	Euro [EUR]	false
...				1	Piece [pieces]	£485.96	Pound [GBP]	false
<a href="#">+ Create new Price Row</a>								

### Create New Price Row

**ALL REQUIRED FIELDS** > **GENERAL**

Price:

481.11

Currency:

Pound [GBP]

Unit:

Piece [pieces]

Scale:

1

Pricing:

Net

Gross

 **Next**

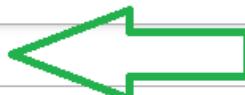
### Create New Price Row

**ALL REQUIRED FIELDS** > **GENERAL**

Channel:

Product Price Class:

Customer:



Customer Price List:

BACK

CANCEL

DONE

## Scenario = Product - discounts

1-Chenna RRRS - Limited Jacket deepest black M [300678848] - Apparel Product Catalog : Online

**REFRESH** **SAVE**

**PROPERTIES** **ATTRIBUTES** **BUNDLING** **CATEGORY SYSTEM** **PRICES** **MULTIMEDIA** **VARIANTS** **EXTENDED ATTRIBUTES** **REVIEWS** **STO**

Prices

Product	Product ...	Customer	Customer...	Scale	Unit	Price	Currency	Pricing
...				1	Piece [pieces]	€599.95	Euro [EUR]	false
...				1	Piece [pieces]	£485.96	Pound [GBP]	false
<a href="#">+ Create new Price Row</a>								

**DISCOUNTS**

Discounts

Product	Product Discoun...	Customer	Customer Discou...	Discount	Value
1-Chenna RRRS - Limi...				001 New Promotional...	£123.00
<a href="#">+ Create new Discount Row</a>					

**Create New Discount Row**

Discount:

001 New Promotional Voucher 10.0%

Value:

123

Currency:

Pound [GBP]

Not secure | localhost:9002/yacceleratorstorefront/en/cart

[EXPORT CSV](#)

ITEM (STYLE NUMBER)	PRICE	QTY	DELIVERY	TOTAL
1-Chenna RRRS - Limited Jacket deepest black M 300678848 Style: deepest black Size: M In Stock	£485.96	1	SHIP	£362.96
Original Price				

[EXPORT CSV](#)

COUPON CODE  **APPLY**

Subtotal: £485.96-123

Order Discounts: - £123.00

**ORDER TOTAL** £362.96

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REFRESH

SAVE

PROPERTIES ATTRIBUTES BUNDLING CATEGORY SYSTEM PRICES MULTIMEDIA VARIANTS EXTENDED ATTRIBUTES REVIEWS STOCK

Prices

Product	Product ...	Customer	Custome...	Scale	Unit	Price	Currency	Pricing
⋮				1	Piece [pieces]	€599.95	Euro [EUR]	false
⋮				1	Piece [pieces]	£485.96	Pound [GBP]	false

## DISCOUNTS

Discounts

Product	Product Discoun...	Customer	Customer Discou...	Discount	Value
⋮ 1-Chenna RRRS - Limi...				001 New Promotional...	10%

## Create New Discount Row

Discount:

001 New Promotional Voucher 10.0%

Currency:

Pound [GBP]

← → C Not secure | localhost:9002/yacceleratorstorefront/en/cart

ITEM (STYLE NUMBER)	PRICE	QTY	DELIVERY	TOTAL
1-Chenna RRRS - Limited Jacket deepest black M 300678848 Style: deepest black Size: M In Stock	£485.96	1	SHIP	£437.36

EXPORT CSV

COUPON CODE

enter coupon code

APPLY

Subtotal:

10% Discount

£437.36

Order Discounts:

- £48.60

ORDER TOTAL

£437.36

Your order includes £72.89 tax.

## Scenario = Product “Min Order QTY & Max Order QTY”.

1-Chenna RRRS - Limited Jacket deepest black M [300678848] - Apparel Product Catalog : Online

REFRESH SAVE

PROPERTIES ATTRIBUTES BUNDLING CATEGORY SYSTEM PRICES MULTIMEDIA VARIANTS EXTENDED ATTRIBUTES REVIEWS STOCK

Min order quantity Max order quantity Price quantity Price Class ?

1

## Scenario = Product – Keywords [These are important for SEO purpose]

1-Chenna RRRS - Limited Jacket deepest black M [300678848] - Apparel Product Catalog : Online

REFRESH

PROPERTIES ATTRIBUTES BUNDLING CATEGORY SYSTEM PRICES MULTIMEDIA VARIANTS EXTENDED ATTRIBUTES

Remarks

KEYWORDS

Keywords ?

Two[en] - Apparel Product Cata...  
One[en] - Apparel Product Cat...

## Scenario = Product – Stock

1-Chenna RRRS - Limited Jacket deepest black M [300678848] - Apparel Product Catalog : Online

REFRESH SAVE

ATTRIBUTES BUNDLING CATEGORY SYSTEM PRICES MULTIMEDIA VARIANTS EXTENDED ATTRIBUTES REVIEWS STOCK ADMINISTRATION

300678848 1-Chenna RRRS - Limited Jacket de... Apparel Product Catalog : Online approved

STOCK FINDER:

STOCK LEVELS

For performance reasons stock levels are not displayed here. Use Search: FIND STOCK LEVELS FOR PRODUCT

Product Code	Warehouse	Available Amount
300678848	Newcastle upon Tyne Hospital	2
300678848	Newcastle upon Tyne Kathedrale	4
300678848	Nottingham	5
300678848	Nottingham Concert Hall	1
300678848	Nottingham University	5

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## Scneario = Track the changes [Product / Category / Catalog ...]?

1-Chenna RRRS - Limited Jacket deepest black M [300678848] - Apparel Product Catalog : Online

**REFRESH** **SAVE**

ATTRIBUTES BUNDLING CATEGORY SYSTEM PRICES MULTIMEDIA VARIANTS EXTENDED ATTRIBUTES REVIEWS STOCK **ADMINISTRATION**

**CHANGES**

Last changes

- ownEurope1Discounts - May...
- approvalStatus - May 20, 20...
- ownEurope1Discounts - May...
- ownEurope1Discounts,ownE...
- name - May 17, 2021 by Adm...**
- ...

**UNBOUND**

Edit item name - May 17, 2021 by Administrator [admin]

**CHANGES TO OBJECT** ADMINISTRATION

**CHANGES**

Modification type: Changed

Changed by: Administrator [admin]

Time stamp: May 17, 2021 3:14:48 AM

Changed attributes: name

name - May 17, 2021 by Admini...  
 ownEurope1Discounts - May 2...  
 ownEurope1Prices - May 21, 20...  
 ownEurope1Prices - May 21, 20...  
 ownEurope1Discounts - May 2...  
 description - May 20, 2021 by A...  
 ownEurope1Discounts - May 2...

Edit item name

**GENERAL** ADMINISTRATION

**MODIFIED ATTRIBUTE**

Attributes

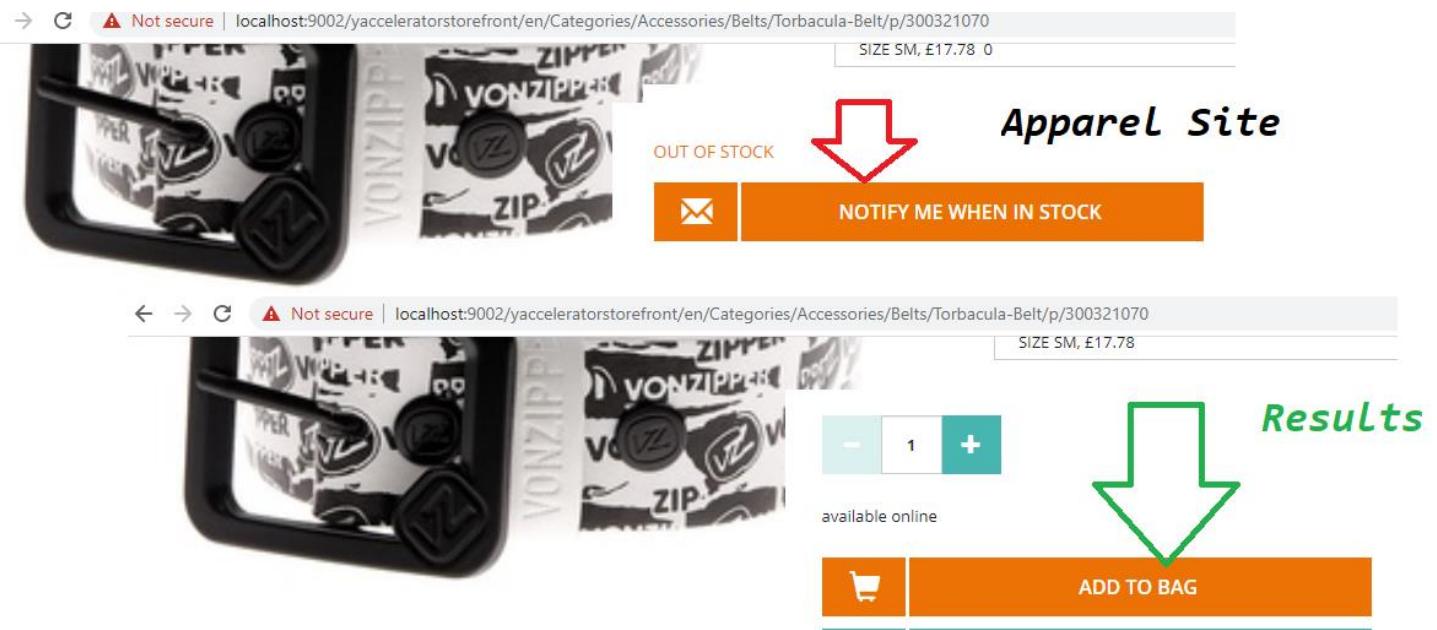
name

**CHANGES**

Old value: Limited Jacket deepest black M

New value: Chenna RRRS - Limited Jacket deepest black M

**Scenario** = Let's say – We have Product [P1] "Out Of Stock". How to make this product [P1] to "In Stock".



### General Steps =

- Go to Backoffice -> Catalogs-> Products and open the desired product.
- Under the "Stock" tab, click on "Find stocks levels for this product".
- Now you will have a list of warehouses in which the product is available in stock.
- Right click on the warehouse in which you want to make the product out of stock and click "Edit in new window".
- Now either change the value of the variable "Available amount" to zero or change the "In stock status" to 'forceOutOfStock'.

## Step 1 = Find the warehouses for the Store

The screenshot shows the WCMS navigation bar with 'Base Commerce' selected. In the center, there's a list of warehouses under 'Apparel Store UK'. On the right, a modal window titled 'Edit item ap\_warehouse\_e' is displayed, showing the 'Warehouses' tab with a list of warehouses. A green arrow points from the 'Warehouses' tab in the modal to the 'Warehouses' tab in the main interface.

**Step 2 = Now either change the value of the variable "Available amount" to zero or change the "In stock status" to 'forceOutOfStock'.**

The screenshot shows the Catalog navigation bar with 'Products' selected. In the center, there's a product detail page for 'Torbacula Belt white SM [300321070]'. On the right, a modal window titled 'Edit item 300321070' is displayed, showing the 'STOCK' tab. A red box highlights the 'FIND STOCK LEVELS FOR PRODUCT' button. Another red box highlights the 'Force in Stock' checkbox. A green arrow points from the 'Force in Stock' checkbox in the modal to the 'Force in Stock' checkbox in the main interface.

**Results =**

The screenshot shows a storefront product page for 'Torbacula Belt white SM [300321070]'. The page displays two images of the belt, a price of £17.78, and a quantity selector set to 1. A large green arrow points from the storefront to the 'ADD TO BAG' button.

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