

# Extensions and Accelerators

## 1. What are accelerators in hybris?

Hybris provided us a template where then basic flow is already developed and we just need to customization according to the business

Types of accelerators

B2B

B2C

C2B

C2C

## 2. How to create a new extension in hybris?

Open HAC>platform>extensions>it shows all the extensions

### What is Extension:

For each functionality we have different modules and those different modules called as extensions.

Or

- We modularise hybris code into different small java projects called as extensions

Hybris>bin>ext folders and each folder contain extensions

In Java>project>write the code

In hybris>extensions>write the code

### ➤ modules

- Cart
- Checkout
- Payment
- Storefront etc...

- An extension can contain business logic, type definitions, a web application, or a Backoffice Administration Cockpit configuration. That way, you link up in one place all of the functionality that covers a certain field of use, for example a webshop.

Because extensions are independent of one another by default, you can migrate an extension from one SAP Commerce version to another.

## 3. How to create new extension?

1. Run ant extgen cmd in platform folder
2. It will ask 3 things, first we need to choose
  - a.Template
  - b.Name of your extension
  - c.Package
3. We need to add extension name in our localextension present in config folder.
- 4.run ant clean all
- 5.run hybrisserver.bat to serverup.

# Extensions and Accelerators

## ➤ Modulegen command

**ant modulegen -Dinput.module=accelerator -Dinput.name=training -  
Dinput.package=de.hybris.training -Dinput.template=develop**

modulegen command will create a set of extensions  
but ant extgen command will create only a specific extensions

1.Extension templates :

- Extension templates enable you to create your own extensions that you can use for specific implementations
- SAP commerce comes with extension generator system called as extgen.
- Using extgen , you can create new extensions based on extension templates A number of templates are available.
- cmd in platform
- ant extgen
- Extgen prompts you to specify:
  - The extension's name.
  - The extension's Java package.
  - The extension template to use.
- After you have provided the prompted values, extgen:
  - Copies the extension template to a temporary directory.
  - Modifies the extension template to reflect the specified values.
  - Copies the new extension from the temporary directory to the directory specified by the extgen.extension.path property in the project.properties file.
- extgen:
  - [input]
  - [input] Please choose a template for generation.
  - [input] Press [Enter] to use the default value (ywebservices, ysmarteditmodule, yoccaddon, yhacext, [yempty], yatddtests, yaddon, yacceleratorordermanagement, yacceleratormarketplaceintegration, yacceleratorfulfilmentprocess, ycockpit, ybackoffice, ycmssmartedit, ycommercewebservices, ycommercewebservicetest, trainingfulfilmentprocess, yacceleratorstorefront, trainingstorefront)
- This configuration is done at ext folder in Project.properties file
- if you simply press enter , yempty will be by default template which is basically a storefront extension.
- Once extension is created , it needs to be added in localExtensions.xml

## Extensions and Accelerators

- and do ant clean
- once you start server , you need to check again in the extension in hac , it should be there

### • Structure of an Extension :

- The web extension module is the part of an extension that is accessible via a web browser, such as the SAP StoreFoundation.
- The core extension module of an extension covers several basic components.
- /.externalToolBuilders directory
- Contains the Eclipse builder that automatically generates SAP Commerce Models if any extension's items.xml file has been modified in Eclipse.
- /.settings directory
- Contains configuration files for Eclipse in general and Eclipse-related Spring configuration files.
- resources directory
- Contains the <\$extension> -items.xml file and the localization for the extension types (within the /localization subdirectory).
- /src directory
- Contains the source code files for the extension's core extension module.
- /testsrc directory
- JUnit test files for the extension are located here.
- /web directory
- This directory contains the web extension module parts of the extension (JSP files, libraries). Sources and resources from this directory are only accessible to a Web application containing the extension. They cannot be accessed from another extension

### • ==> When you do ant clean all , following new files/folders are created :

- classes
- build.xml
- extensioninfo.xsd
- platformhome.properties
- The yaddon extension acts as a template used for creating SAP Commerce AddOns. It is normally used in conjunction with the yacceleratorstorefront extension to extend storefront functionality