SAP Commerce Cloud = "**SAP Comm**" + **Cloud**

SAP Comm [New Name] = SAP Hybris [Old Name].

Hybris = Company [~23 Years].

SAP bought Hybris company in "**2013 Aug 1st**".

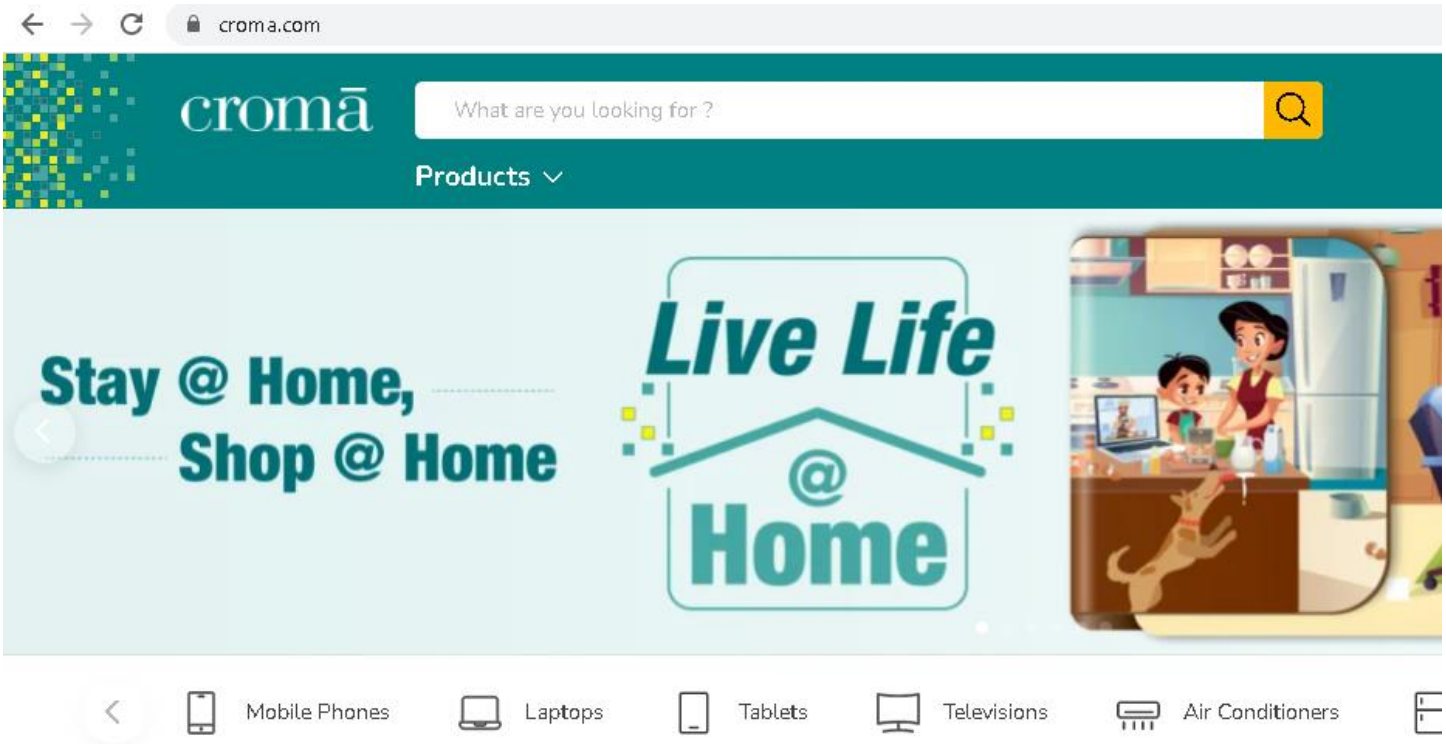
After SAP bought Hybris … Still people use to call it as "SAP Hybris".

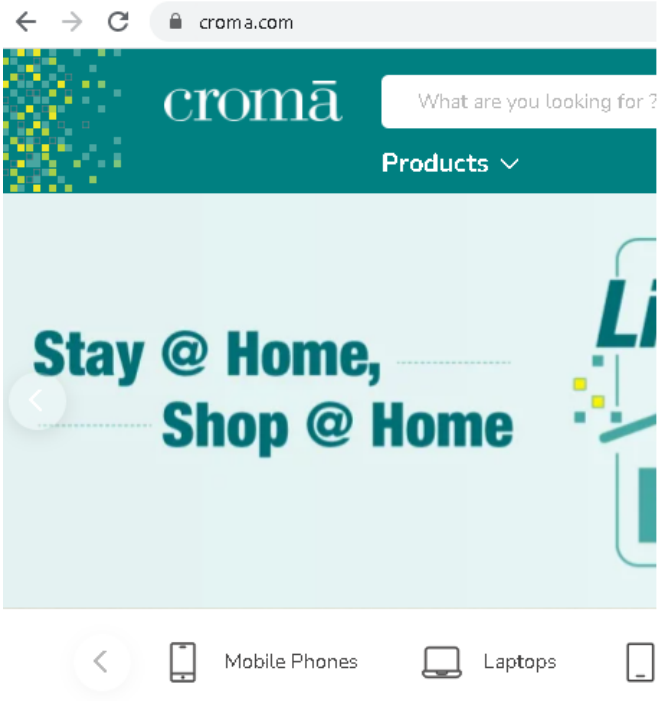
Latter – SAP rename / calling "SAP Hybris" as "**SAP Comm**".

Q = What is "**SAP Comm**" (or) What is the Purpose of "**SAP Comm**"?

Let's say – we have a requirement to develop "Shopping Site (or) eComm Site [Croma.com / Shoppersstop.com / Reliancedigital.in / …." then we use "**SAP Comm**".

That means – By using "SAP Comm"… We can develop "Shopping Site (or) eComm Site".






```
Req = Develop Shopping Site / eComm Site
[Croma / Amazon / ...]?
Sol1 = We can write code from scratch & develop it.
Challenges =
     1) Lots of time
     2) Lots of code
     3) Lots of resources
     4) Lots of money
     5) We can't deliver time to market
     6) ====
Then what to do now? = Sol2
Instead of we develop site from scratch ....
We can use some templates provided by some
companies.
Example = SAP Comm.
SAP Comm provides the templates / recipes.
-- Now what to do?
We need to install those templates / recipes.
== We can develop "eComm Site / Shopping
site" easily by installing these recipes.
```

Q = SAP Comm purpose is developing “eComm Site / Shopping Site” [Croma / RelianceDigital / …].

Do we need to develop this eComm Site from **scratch**? = **No need.**

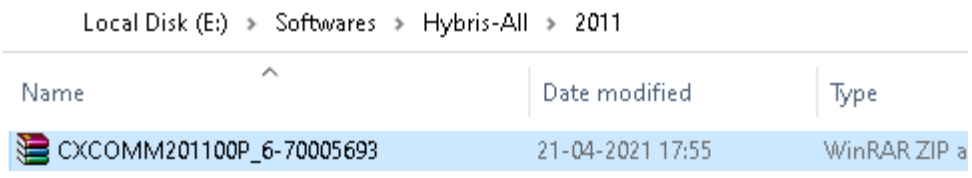
Then what –

Right now we are planning to use “**SAP Comm**”.

This SAP Comm providing templates called “**recipes**”.

We need to install those recipes.

Q = Why to install “SAP Comm” / Recipes? (or) What we get after install “SAP Comm” / Recipes”?



"SAP Comm" Software After download.
Given for us as a "ZIP File / Suite".

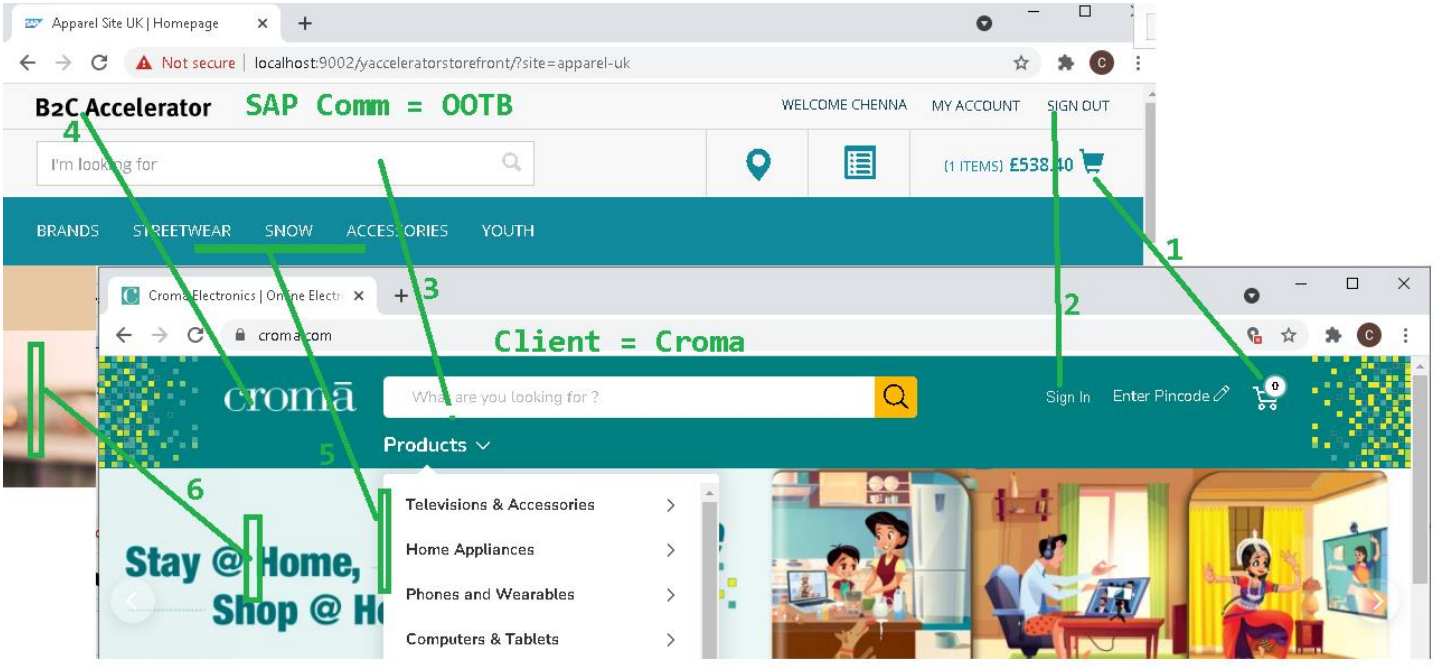
====> By using “SAP Comm” … We can develop eComm Site easily.

That’s why … SAP Comm ==“eComm Soft / eComm Solution”.

Scenario = After installation, we get: -

1) **80% Site** is ready which is suitable for customer
2) **80% Code** is ready which is suitable for customer
3) **80% Fun** is ready which is suitable for customer

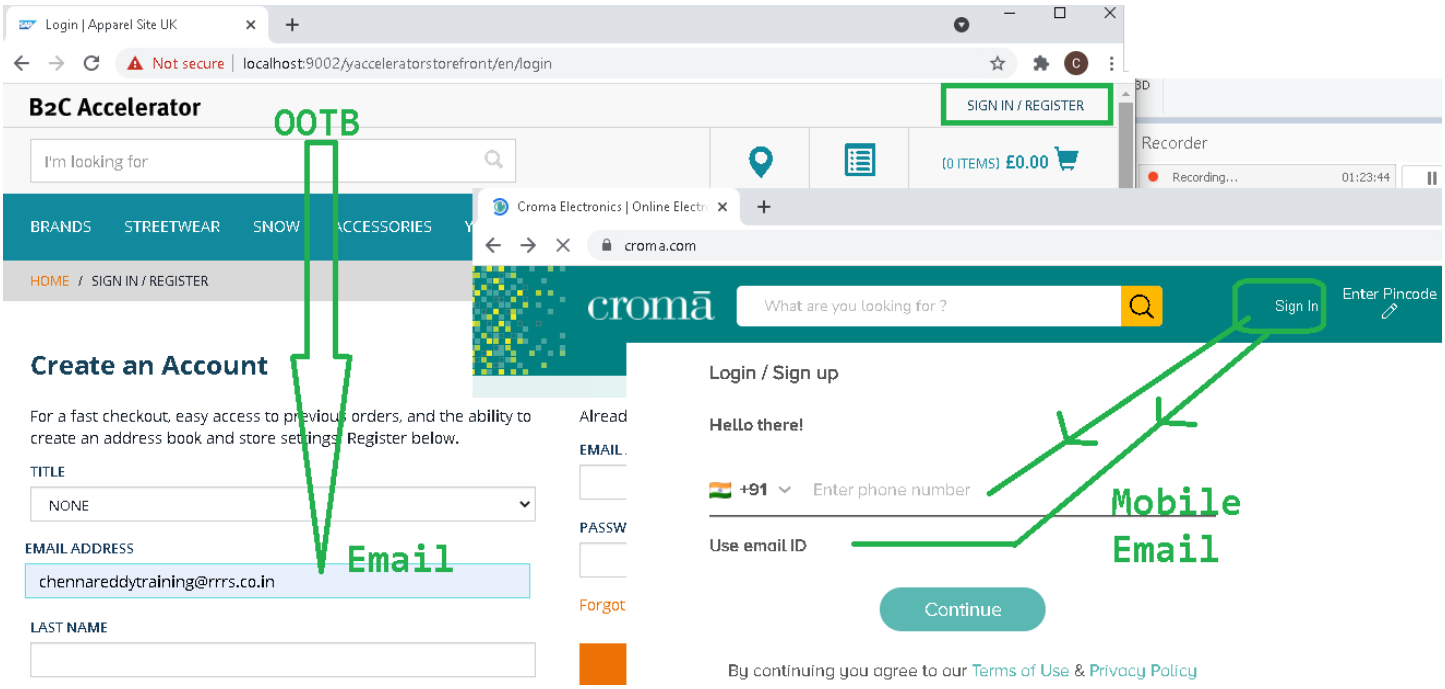
Example =



Scenario = “80% Site … 80% Code … 80% Fun” given for us [OOTB].

We take this results as base & do customer specific changes **[~20%]** on Top of given [80% Site … 80% Code … 80% Fun].

Example =



Note =

By using “SAP Comm” – We can develop eComm Site easily. That’s why --

SAP Comm = eComm Solution / eComm Soft.

SAP Comm is also called “**PCM**” Software.

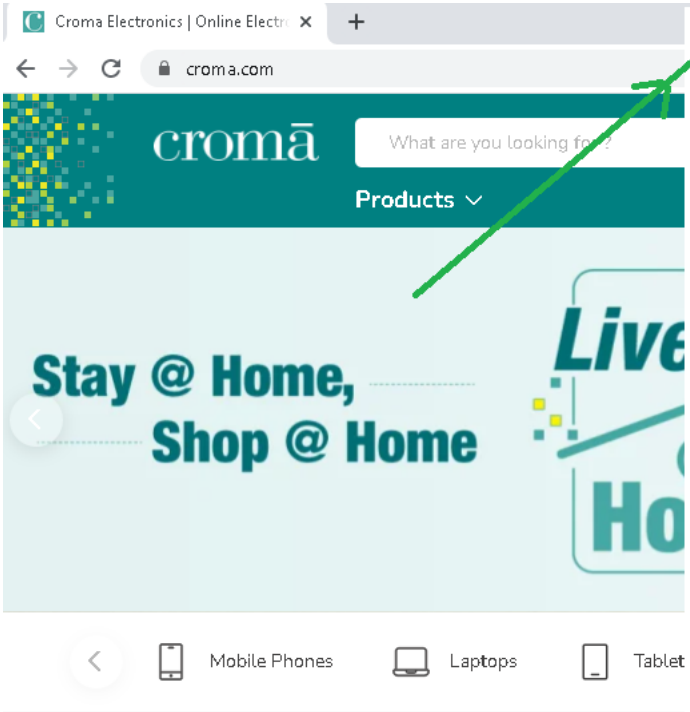
SAP Comm = eComm Sol / Soft + **PCM** Soft.

PCM = Product Content Management.

==== U take any eComm Site [Croma … Lenovo … Amazon …], there will be 2 important things: -

1) **Products** 2) **Content**

Content =



This is called Content.

This content changes frequently? = **Yes**.

Q = Do u think that … Development Team will do / manage this changes? **= No …** Then what?

In the companies, there will be specific people we call them as **Content Managers [CM]**.

These CM are responsible to manage this content.

Manage Content = Add Content / Update Content / Delete Content / ….

Q = Do u think that … This CM are Technical? **= No.**

==== If CM is not Tech. then how can they manage this content?

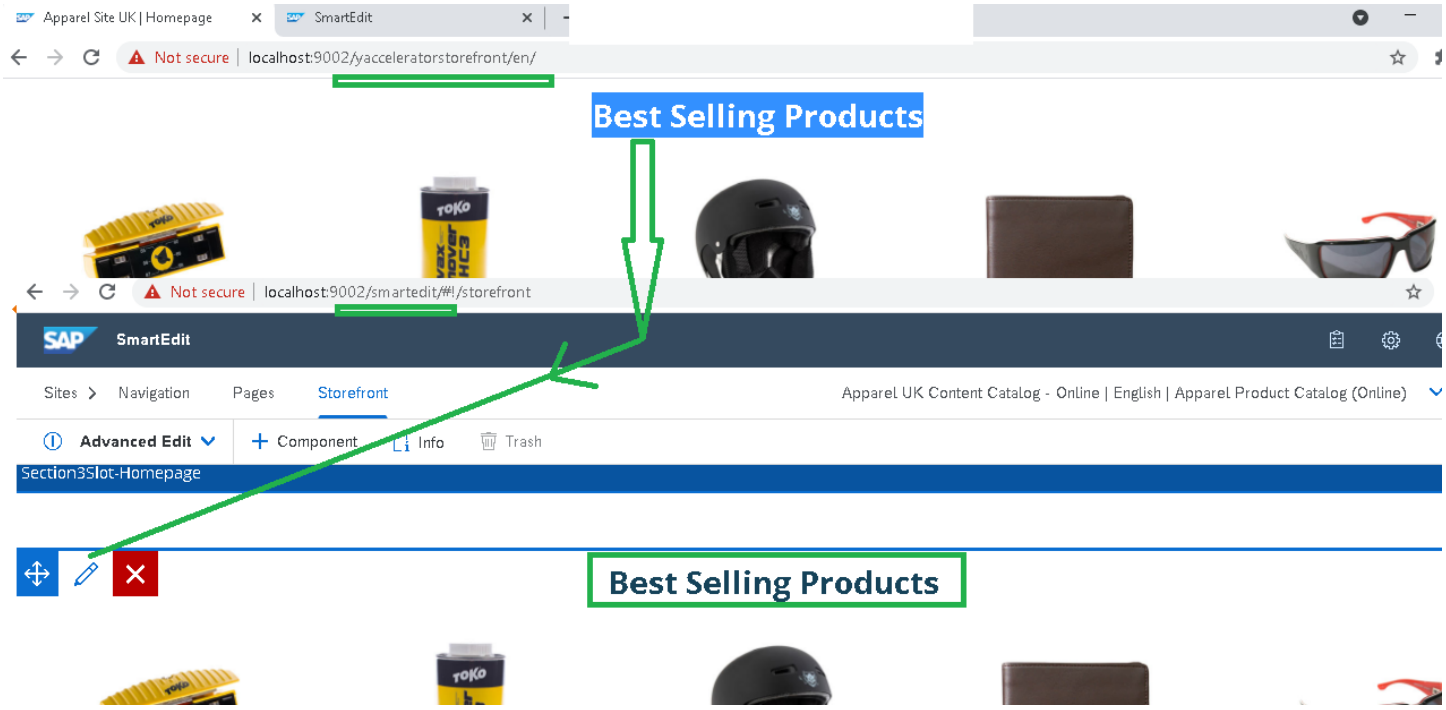
Ans = Right now we are planning to use "SAP Comm". This "SAP Comm" provides a small software called "**CMS Cockpit / SmartEdit**".

With the help of "SmartEdit" -- A Non Tech. person like CM Can manage the content easily.

CMS Cockpit = Old Versions [5.X / 6.X]

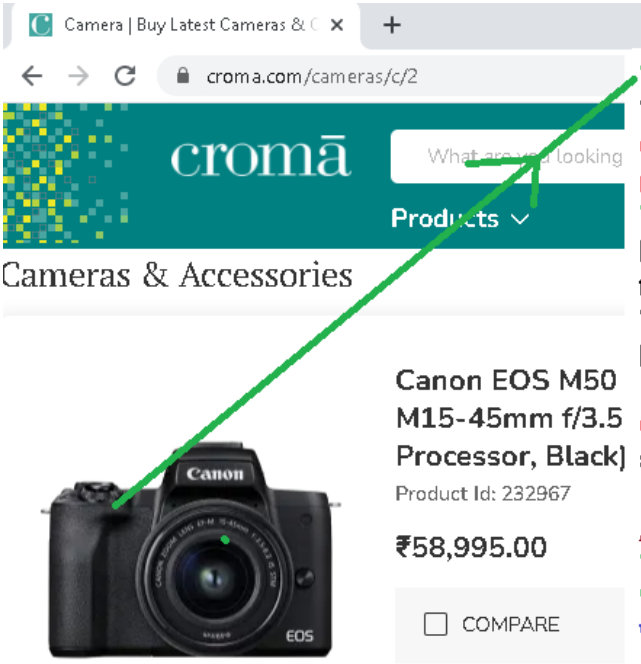
SmartEdit = New Versions [1808 / 1811 / 1905 / 2005 / 2011]

Example =



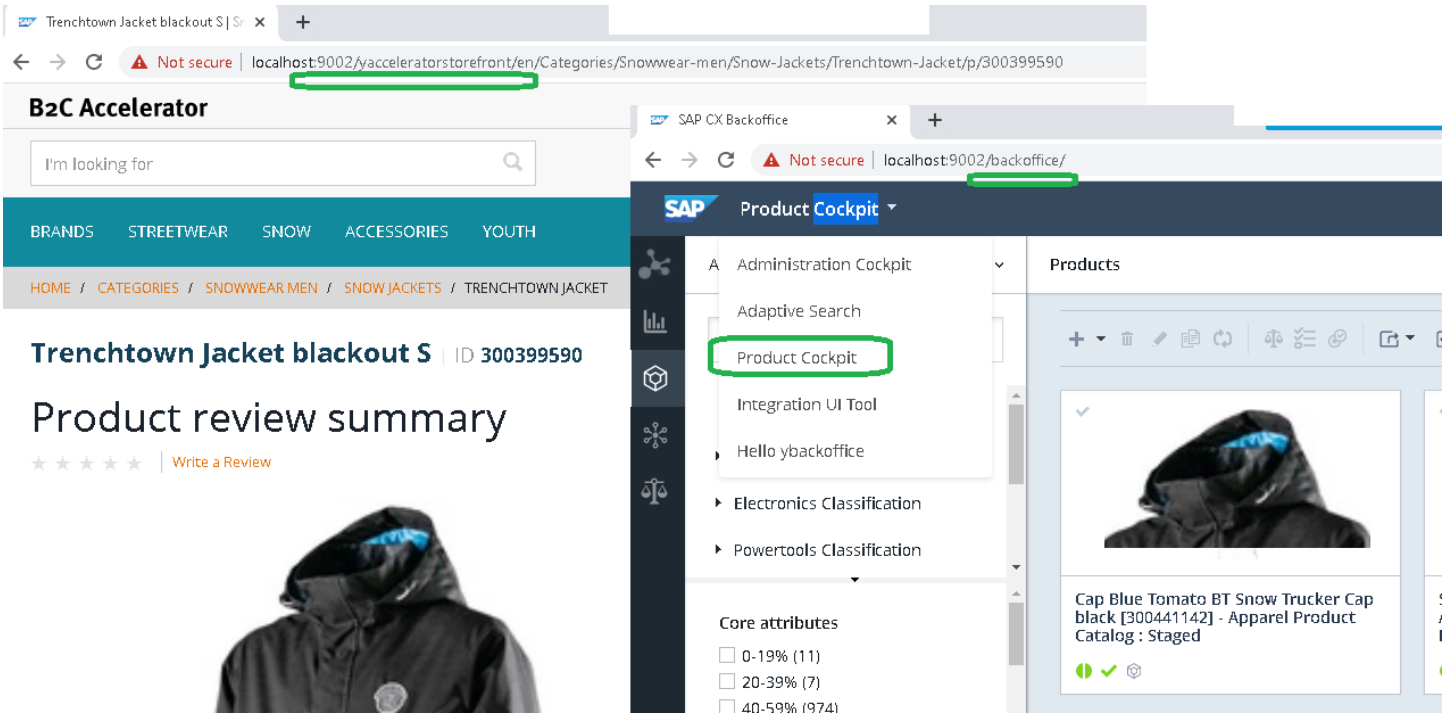
Hence … By using "**SmartEdit**" – A Non-Technical person can manage [Add / Update / Delete / …] the content easily.

Products =



This is called Product.
This Products changes frequently? = Yes.
Q = Do u think that ... Development Team will do / manage this changes? = No
Then what?
In the companies, there will be specific people we call them as Product Managers [PM].
These PM are responsible to manage this Products.
Manage Products = Add Product / Update Product / Delete Product ...
Q = Do u think that ... This PM are Technical? = No.
==== If PM is not Tech. then how can they manage this Products?
Ans = Right now we are planning to use "SAP Comm".
This "SAP Comm" provides a small software called "Product Cockpit".
With the help of "Product Cockpit" -- A Non Tech. people like PM Can manage the Products easily.
Old Versions [5.X / 6.X] = Product Cockpit is Separate URL.
New Versions [1808 / 1811 / 1905 / 2005 / 2011] = Product Cockpit is embedded with in Backoffice.

Example =



Hence … By using "**Product Cockpit**" – A Non-Technical person can manage [Add / Update / Delete / …] the products easily.

Conclusion =

By using “SAP Comm” --- Content managers [**CM**] is able to manage the content easily.

For content purpose “SAP Comm” provides = **SmartEdit**.

Also – By using “SAP Comm” --- Product managers [**PM**] is able to manage the products easily.

For product purpose “SAP Comm” provides = **Product Cockpit**.

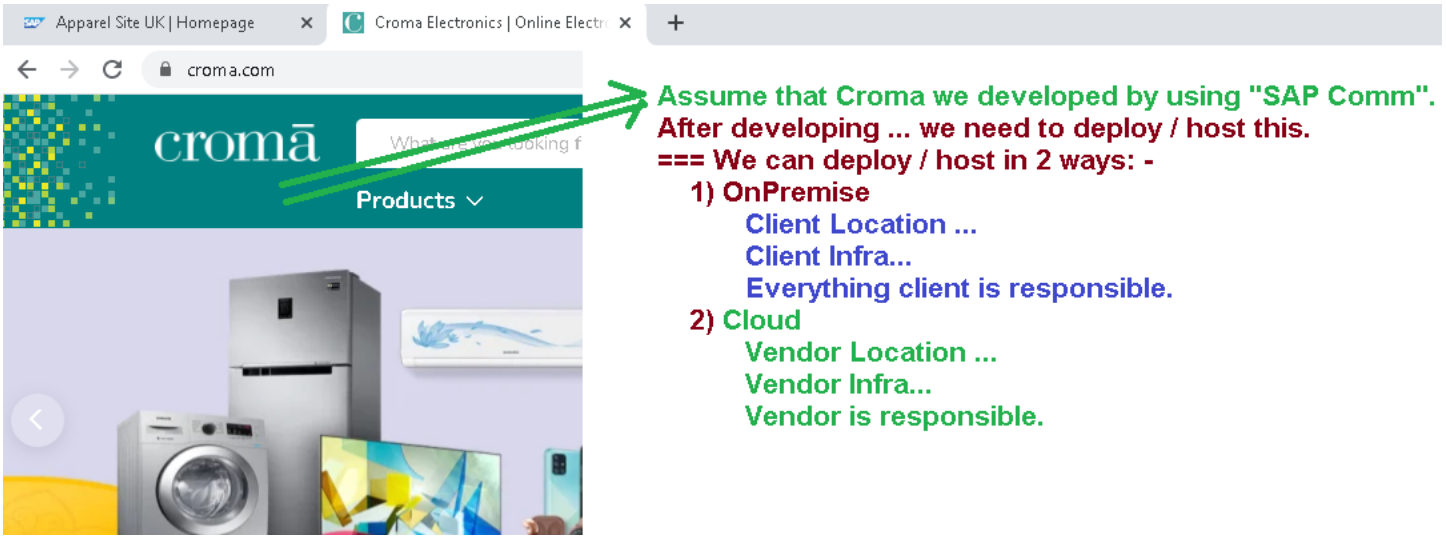
That’s why … “SAP Comm” is also called as “PCM” software.

====> “**SAP Comm**” === “eComm Sol / Soft” + PCM Soft.

Note =

SAP Comm Cloud == “SAP Comm” + **Cloud**.

SAP Comm === “eComm Sol / Soft” + PCM Soft.



Scenario = let's say – we want to develop one software for DRL company. To develop the software what are all required?

1) API Coding [Java .. .NET …]
2) Servers [Tomcat … Web Logic …]
3) Database [Oracle … My SQL …]
4) Operating System [Windows … Linux …]
5) Middleware [Web Methods …. Oracle Fusion …]
6) Network
7) Runtime Environment's
8) ======

Q1 = Let's say – There are server challenges… client is responsible.

Q2 = Let's say – There are network challenges… client is responsible.

Q3 = Let's say – There are OS challenges… client is responsible.

=========

That's why – We have different teams [Network team … OS team … DB team…] in the companies.

That means --- If client is **OnPremise** …. Everything client is responsible.

Example =

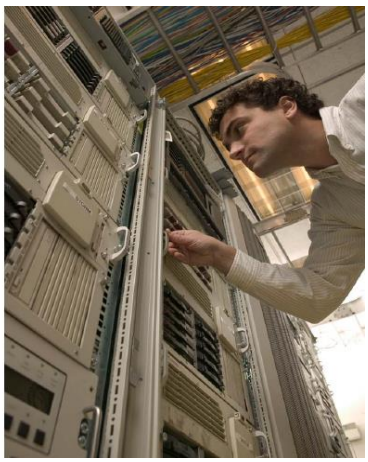
OnPremise = Own House **Cloud** = Rented House

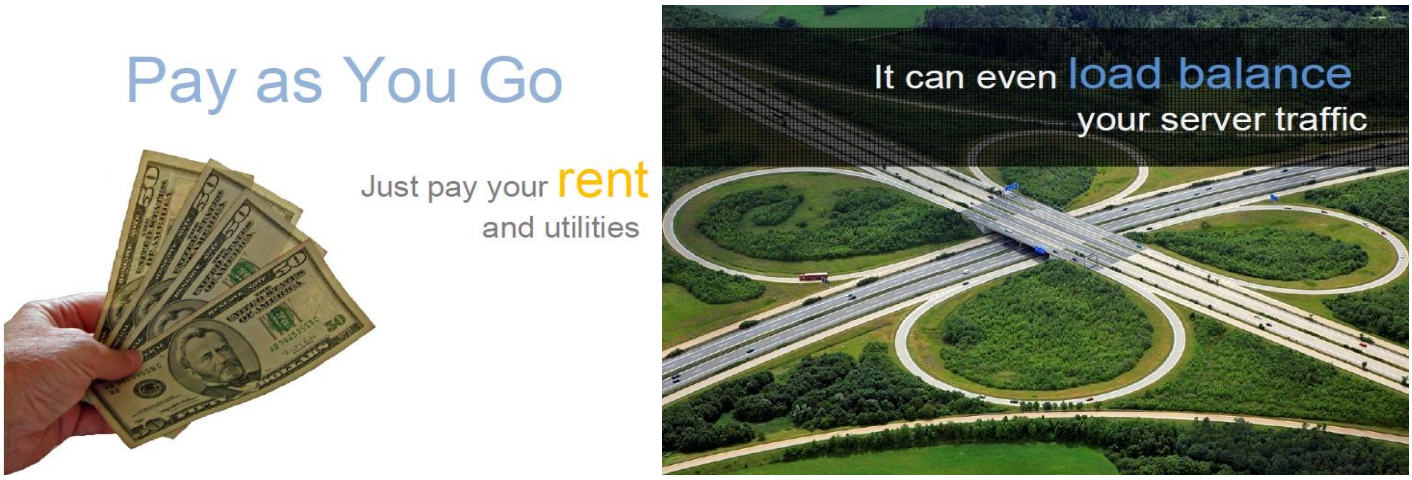
OnPremise [Own House]	**Cloud [Rented House]**
1) Lots of initial investment is required [~2C]	1) No initial investment [~2L]. Just pay as you use.
2) Everything you [Client] are responsible. **Example** = Electricity problem. Water problem.	2) Vendor [Owner] is responsible. If water is not coming then you simply call the owner. Owner will help.

3) Move / Change are very difficult.	3) Just give 1 / 2 months' notice & move / change.
4) Disaster recovery – Client responsibility	4) Disaster recovery – Vendor will take care
5) Upgrades – Client is responsible.	5) Upgrades – Vendor is responsible

OnPremise =

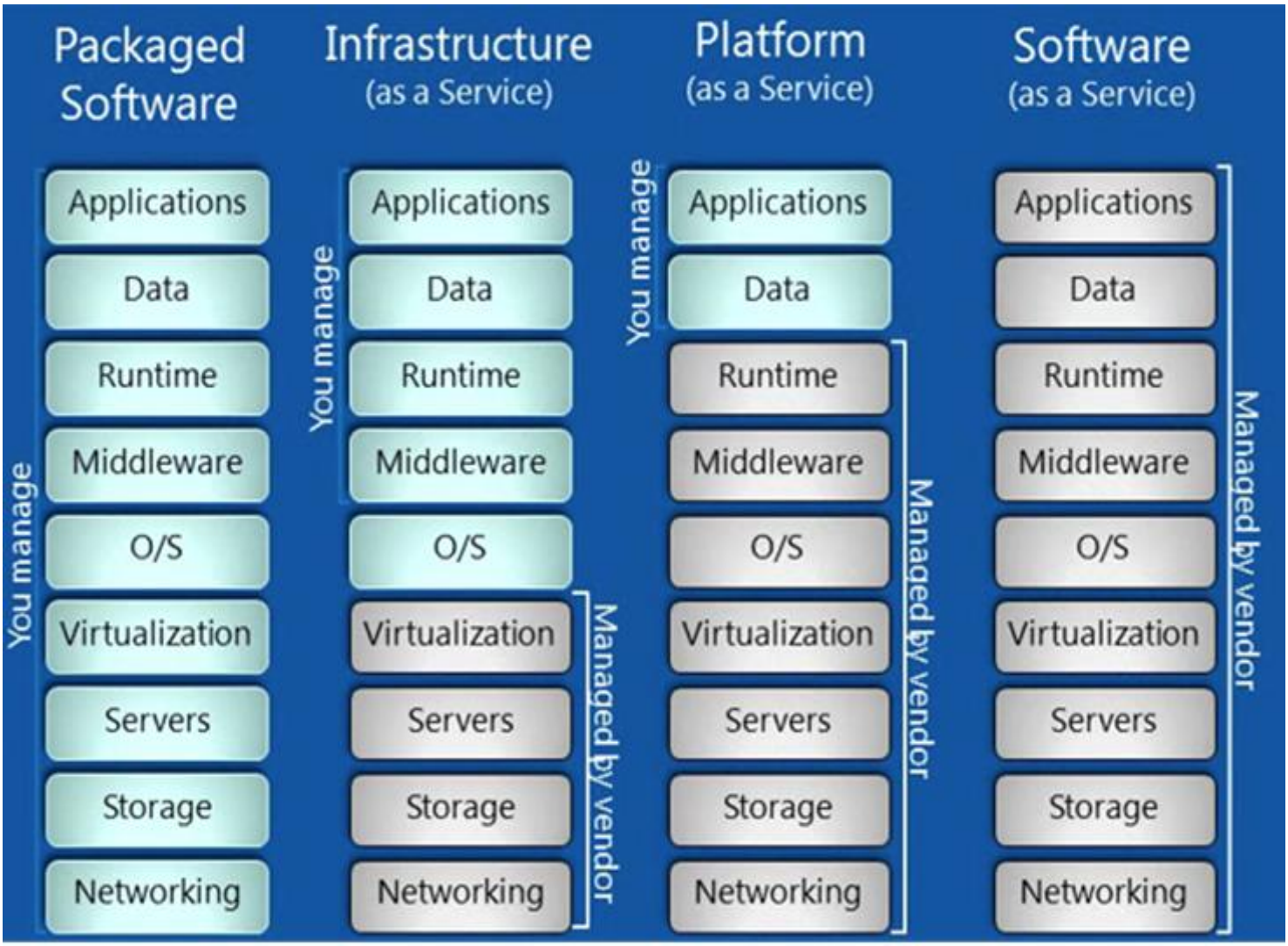
Cloud =

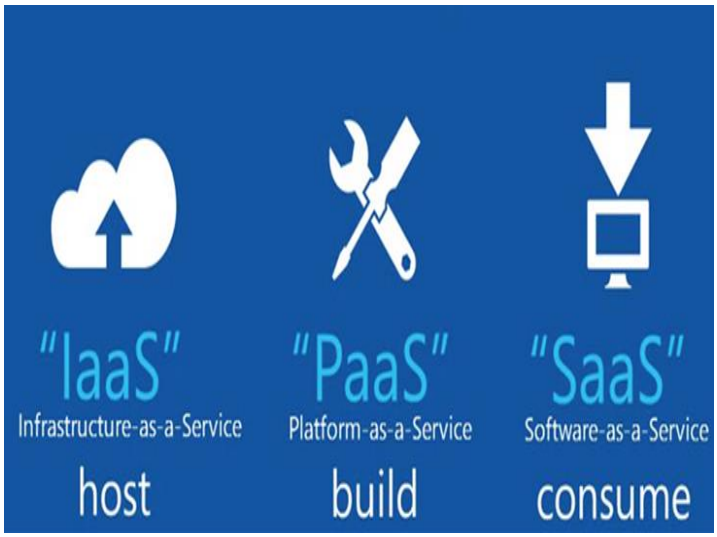




We have Cloud in **3 flavours**: -

1) **IaaS** 2) **PaaS** 3) **SaaS**



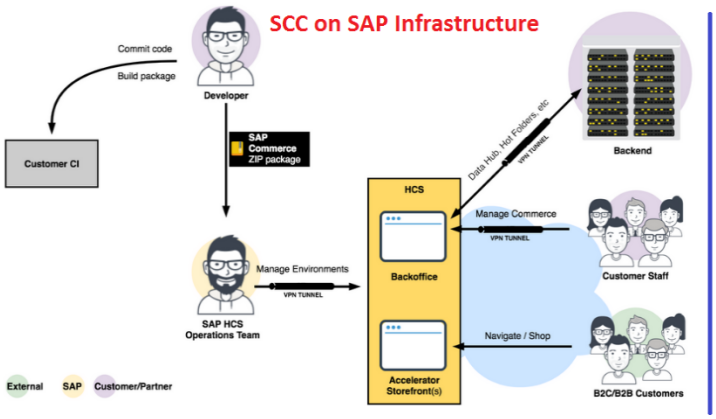


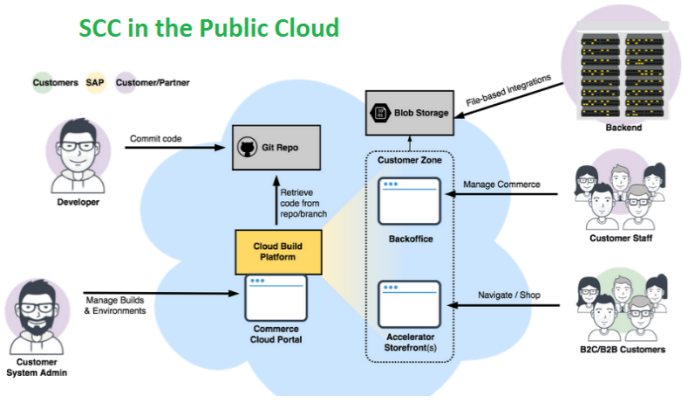
Conclusion =

SAP Comm Cloud = Develop eComm Site by using “SAP Comm” & deploy (or) host in cloud.

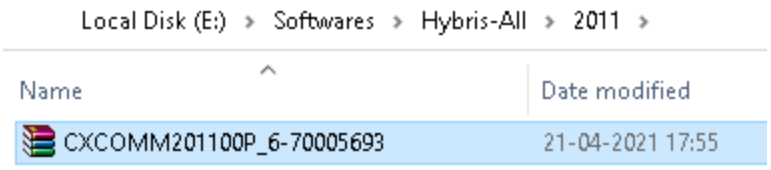
SAP Comm Cloud is available 2 flavours =

1) CCv1 = Private Cloud
2) **CCv2** = Public Cloud





Scenario = SAP Comm is delivered for us as a "**ZIP File / Suite**".



SAP Comm = Is also called as "**Platform**".

Whenever we say YYY is the platform.

Meaning is – By using YYY we can develop "End – End" solution.

That means – By using "SAP Comm" – We can develop "**End – End**" solution.

Q = Can we develop "End – End" solution by using "Java / .NET"?

Q1 = How to write the code?

Ans = Java / .NET provides to API to write the code.

Q2 = After writing the code – How to do the build?

For build purpose – We can use tools like "**ANT / Maven / …**".

Java / .NET will not provide any "ANT / Maven / …".

That's why – In case of Java / .NET project we separately download "ANT Tool / Maven Tool / …" & attach / use it.

Q3 = After build – How to deploy the code into Server?

We generally deploy the code into "Tomcat / Web logic / ….".

Java / .NET will not provide any Servers like "Tomcat / Web Logic …".

That's why – In case of Java / .NET project we separately download "Tomcat / JBoss / …" & attach / use it.

Q4 = After deploy – It requires some kind of Database?

Database = Oracle / MS SQL / HSQL / HANA / …

Java / .NET will not provide any Databases.

That's why – In case of Java / .NET project we separately download "Oracle DB / MS SQL DB / …" & attach / use it.

=== That means - To develop a Site [End – End solution], what are the minimum things required?

1) For **Coding** Purpose = API [Java / .NET / …]
2) For **Build** Purpose = ANT / Maven / …
3) For **Deploy** Purpose = Tomcat / JBoss / …
4) For **Database** Purpose = Oracle / MS SQL / ….

Note = Java / .NET provides only **API**. That's why by using "Java / .NET" we can't develop "End – End" solution.

Q = Can we develop "End – End" solution with "**SAP Comm**"? = **Yes**.

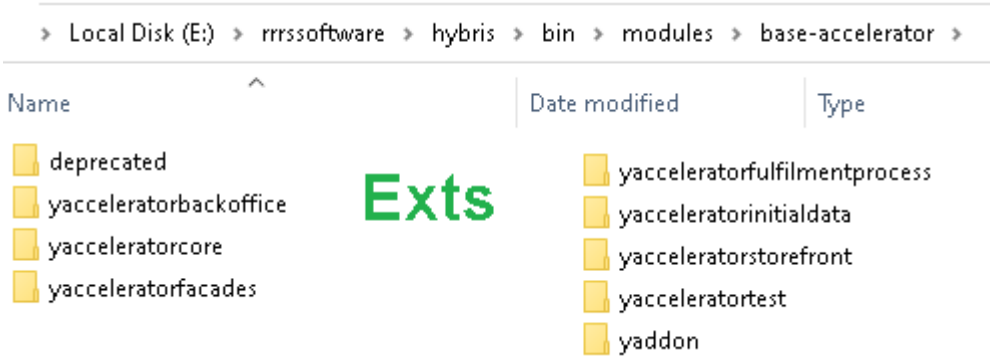
Q1 = How to write the code?

"SAP Comm" provides Exts for writing the code.

Java / .NET = We create project & write the code.

"SAP Comm" = We create Exts & write the code.

Java / .NET – **Projects** === "SAP Comm" – **Exts**

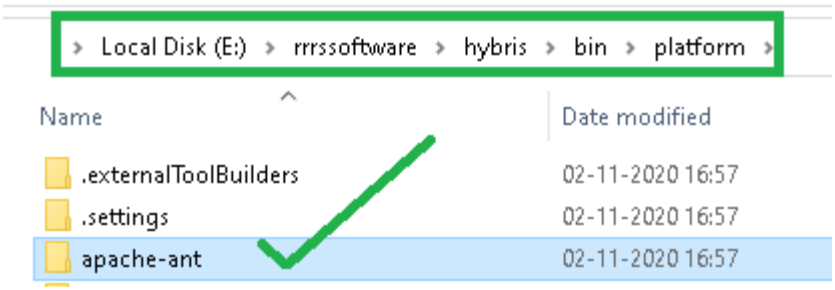


Q2 = After writing the code – How to do the build?

For build purpose – We can use tools like "**ANT / Maven / …**".

"SAP Comm" by default comes with "**ANT Tool**" for build purpose.

Q = Where can we see the "ANT" details?



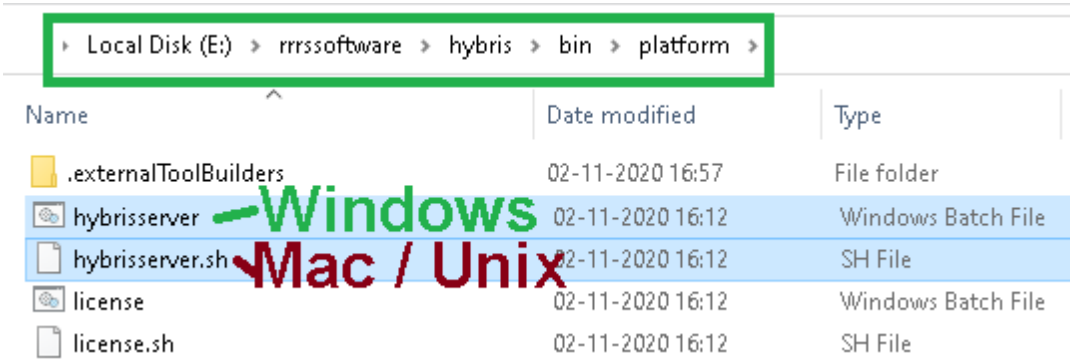
Q3 = After build – How to deploy the code into Server?

We generally deploy the code into "Tomcat / Web logic / ….".

"SAP Comm" by default comes with "**Hybris Server**" for deployment.

This "Hybris Server" is built on top of "Apache".

Q = Where can we see the "Hybris Server" details?



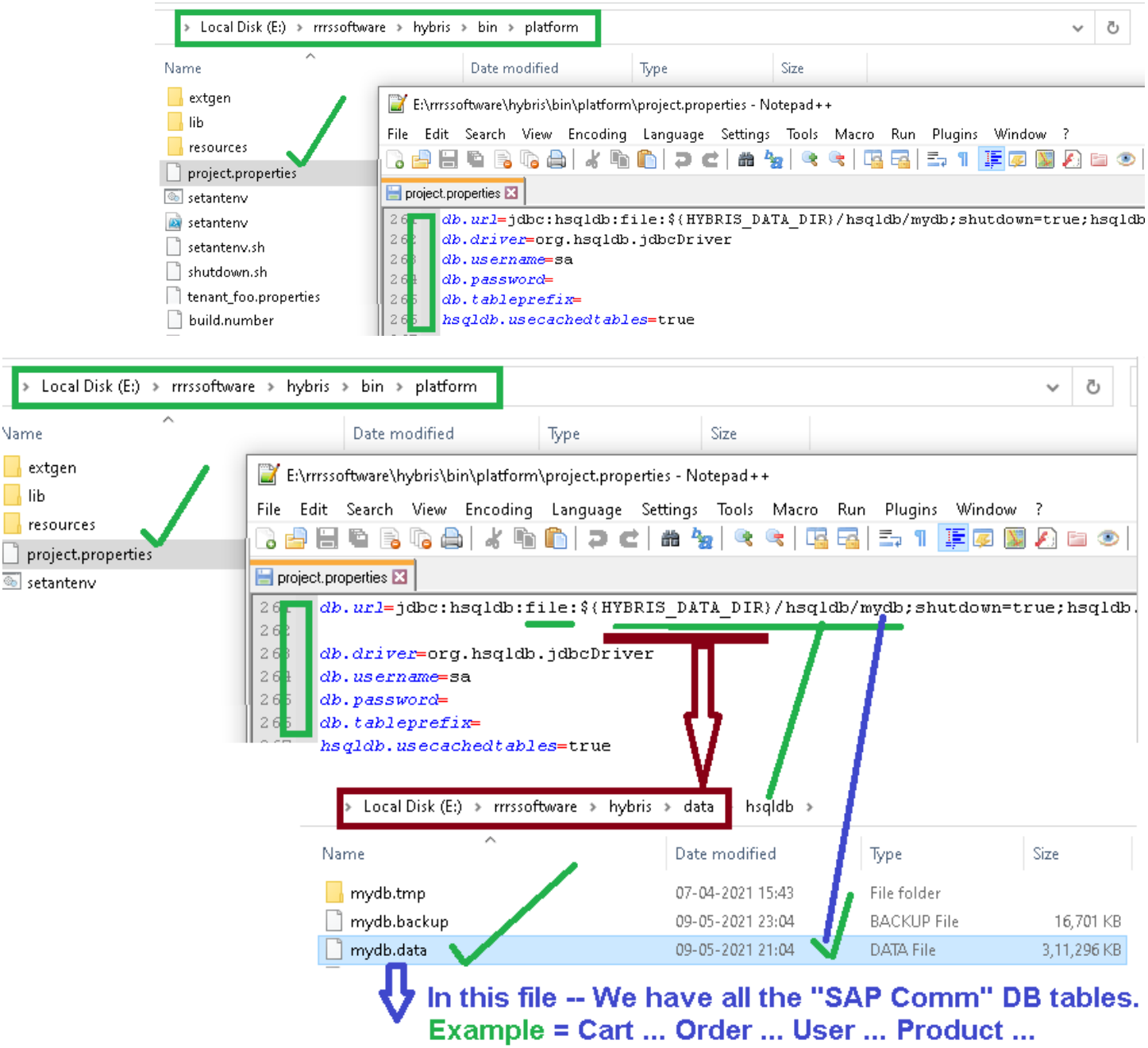
Q4 = After deploy – It requires some kind of Database?

Database = Oracle / MS SQL / HSQL / HANA / …

"SAP Comm" by default comes with "**HSQL DB**".

HSQLDB (HyperSQL DataBase) is the leading SQL relational database system written in Java. HSQLDB is completely free to use.

Q = Where can we see the “HSQL DB” settings / details?



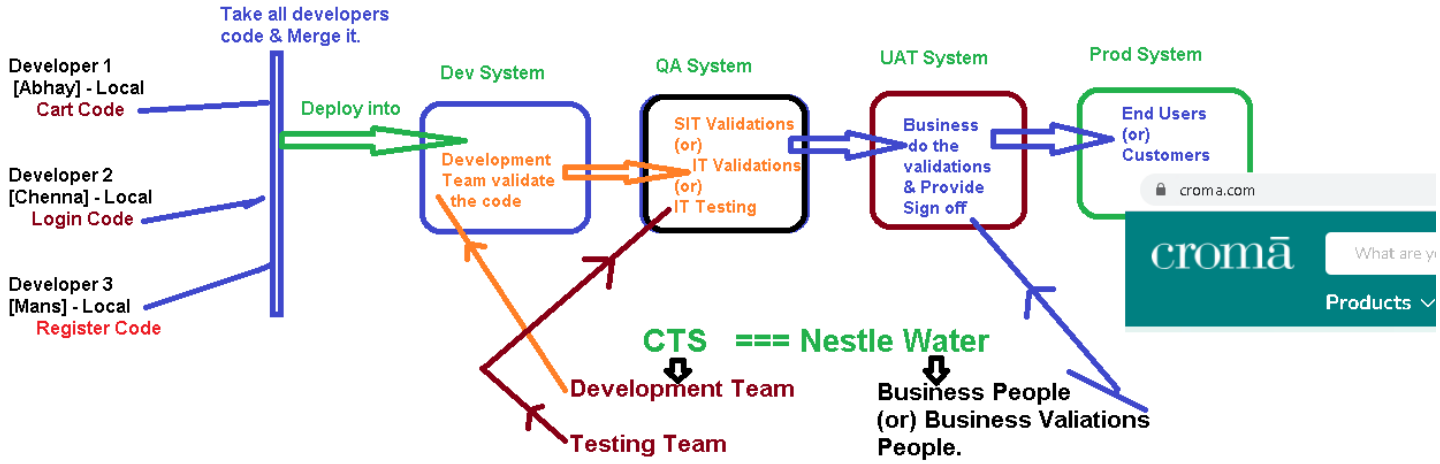
Conclusion =

By using “SAP Comm” – We can write the code [**Exts**] … We can do the build [**ANT**]… We can deploy into Server [**Hybris Server**] … We can connect DB [**HSQL DB**]…

==== By using “SAP Comm” – We can develop “**End – End” solution**.

SAP Comm – Installation

We install “SAP Comm” – for development purpose (or) demo purpose.



Note = Some clients might have 1 system for “SIT & UAT” validations.

In case of Cloud – We will be having “Development … Staging … Production”. If we want extra then we can request /subscribe.

Q = What are the system requirements?

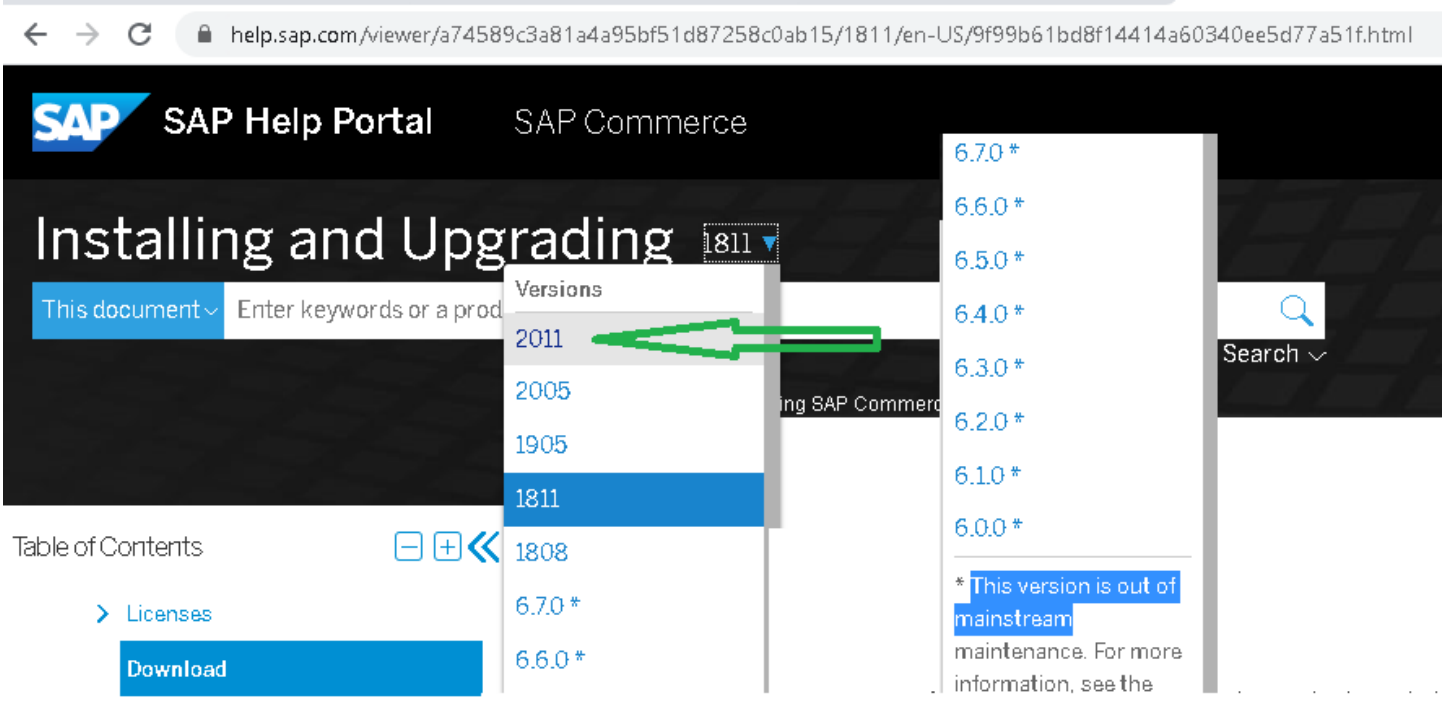
	Minimum	**Recommended**
RAM	8 GB	16 GB
CPU	Dual Core - i5	Quad Core - i7
Hard Disk	10 GB	20 GB
		>40 GB [Production purpose]

Step 1 = Download the “**SAP Comm**” Software.

Google = SAP Commerce Download

https://help.sap.com › viewer › en-US

Download - SAP Help Portal


help.sap.com/viewer/a74589c3a81a4a95bf51d87258c0ab15/1811/en-US/9f99b61bd8f14414a60340ee5d77a51f.html
SAP Help Portal
SAP Commerce
Installing and Upgrading
1811
This document
Enter keywords or a prod
Search
Versions
2011
2005
1905
1811
1808
6.7.0 *
6.6.0 *
6.7.0 *
6.6.0 *
6.5.0 *
6.4.0 *
6.3.0 *
6.2.0 *
6.1.0 *
6.0.0 *
* This version is out of mainstream maintenance. For more information, see the
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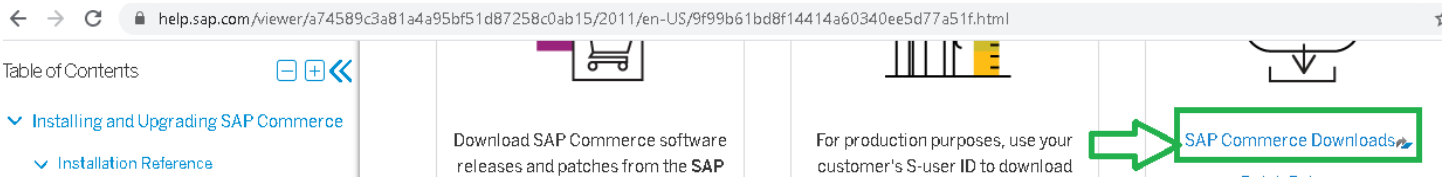
help.sap.com/viewer/a74589c3a81a4a95bf51d87258c0ab15/2011/en-US/9f99b61bd8f14414a60340ee5d77a51f.html
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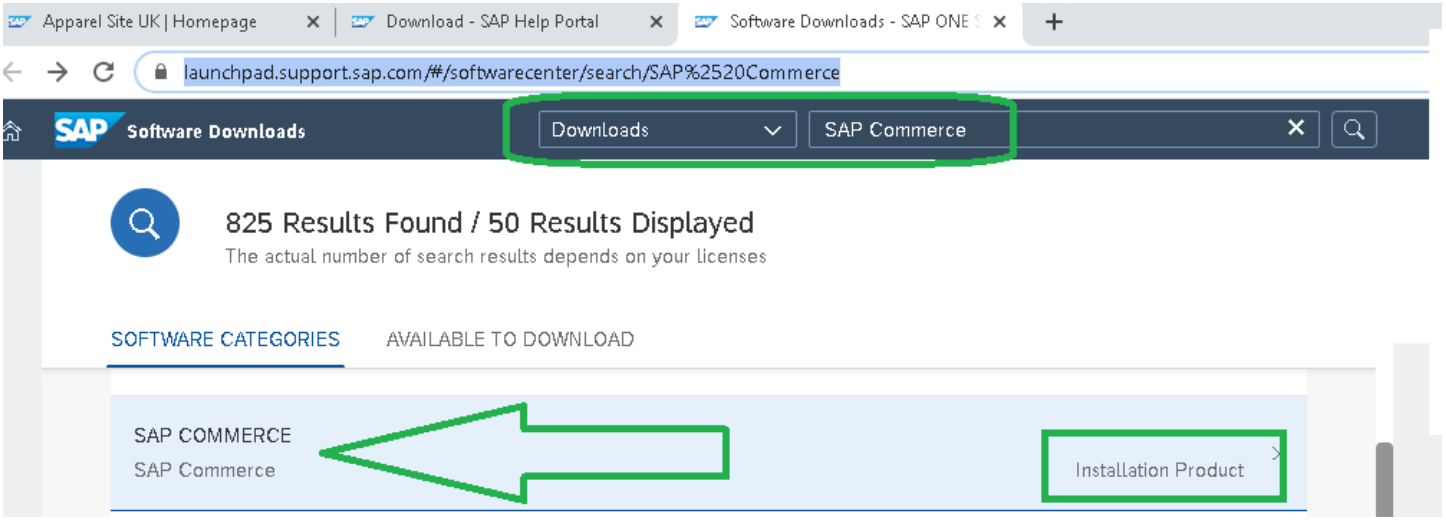
Installing and Upgrading SAP Commerce
Installation Reference
Download SAP Commerce software releases and patches from the SAP
For production purposes, use your customer's S-user ID to download
SAP Commerce Downloads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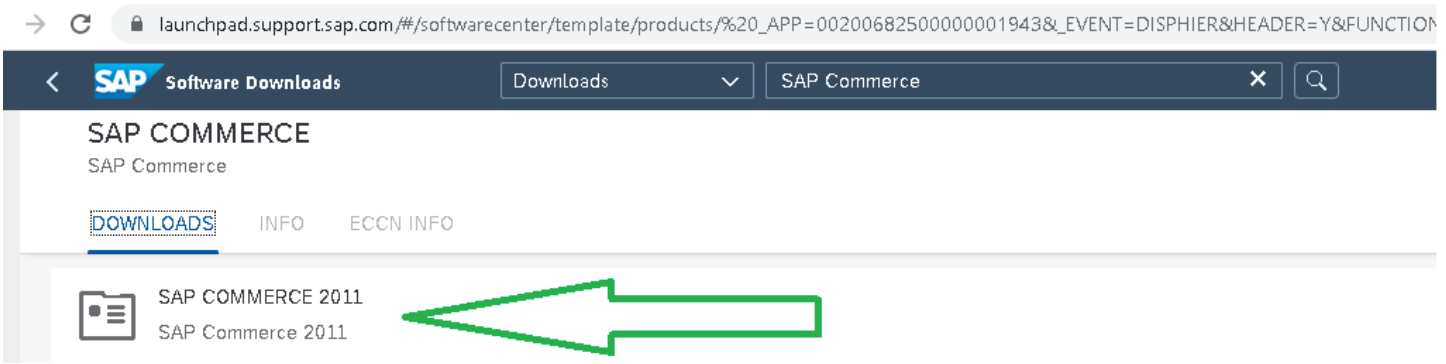
launchpad.support.sap.com/#/softwarecenter/search/SAP%2520Commerce
Software Downloads
Downloads
SAP Commerce
825 Results Found / 50 Results Displayed
The actual number of search results depends on your licenses
SOFTWARE CATEGORIES
AVAILABLE TO DOWNLOAD
SAP COMMERCE
SAP Commerce
Installation Product

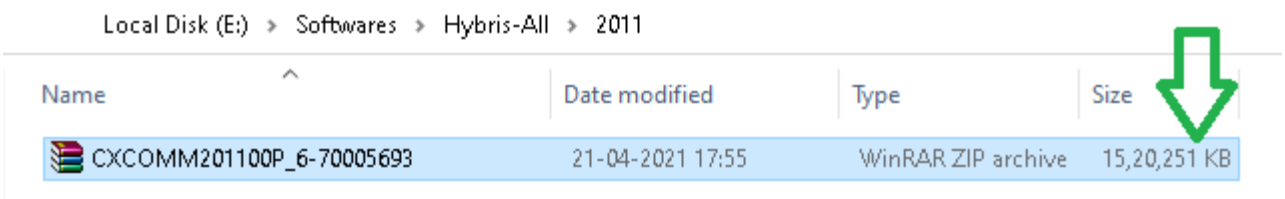

launchpad.support.sap.com/#/softwarecenter/template/products/%20_APP=00200682500000001943&_EVENT=DISPHIER&HEADER=Y&FUNCTION
Software Downloads
Downloads
SAP Commerce
SAP COMMERCE
SAP Commerce
DOWNLOADS
INFO
ECCN INFO
SAP COMMERCE 2011
SAP Commerce 2011

Note = To download the "SAP Comm" software, you need to have valid **SID** with download permissions.

=== Right now … You might not have all these.

So, software is already shared for you.

Results = After downloading "SAP Comm" software: -



Q = Who can able to download "SAP Comm" Software?

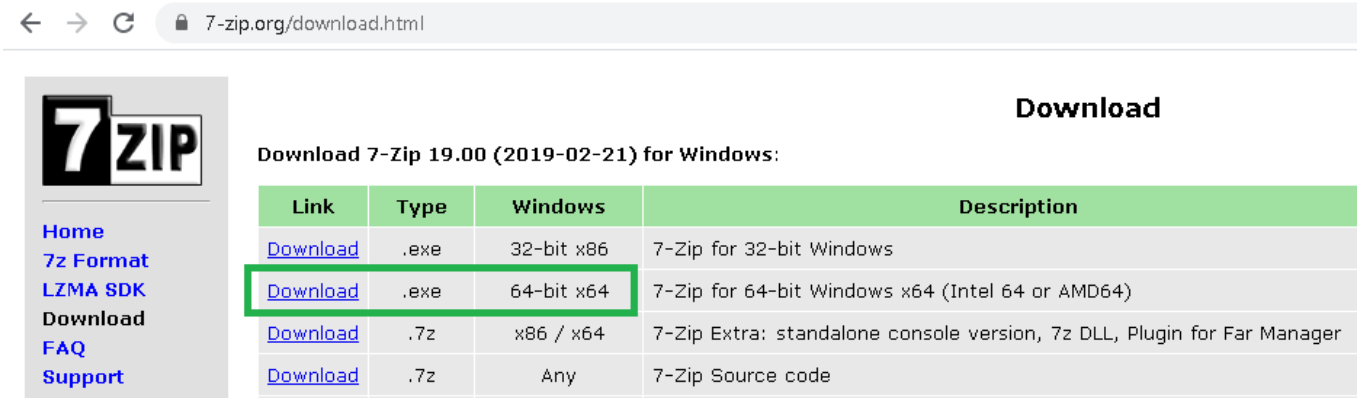
1) SAP Emp 2) SAP Comm Client 3) SAP Comm Impl Partner

Step 2 = Unzip the "SAP Comm" software.

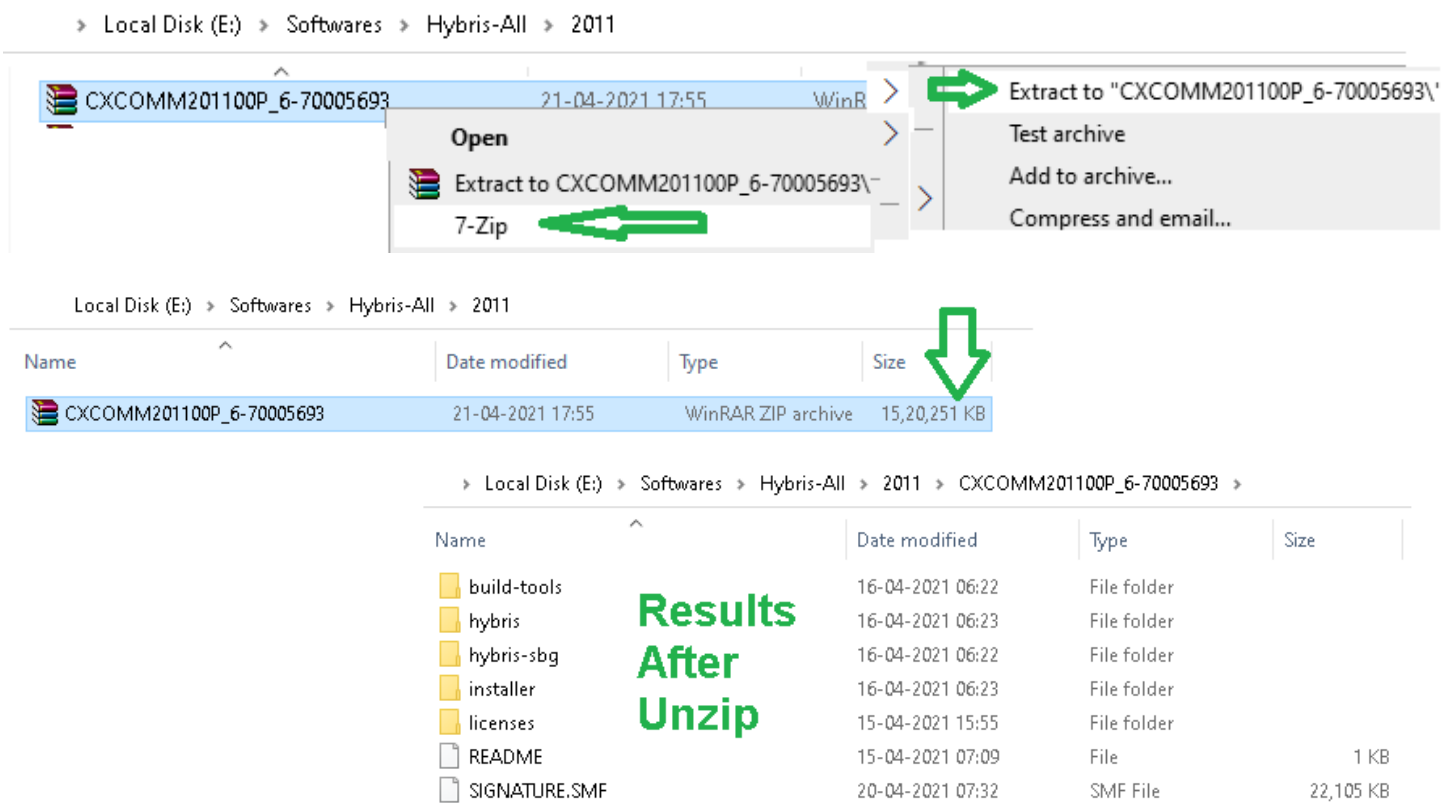
To unzip the "SAP Comm" software – Please use "**7-Zip** / Winzip / …".

Q = Download "**7-Zip**" software & Install it?

URL = https://www.7-zip.org/download.html



After install "7-ZIP" --- Unzip the "SAP Comm" software.

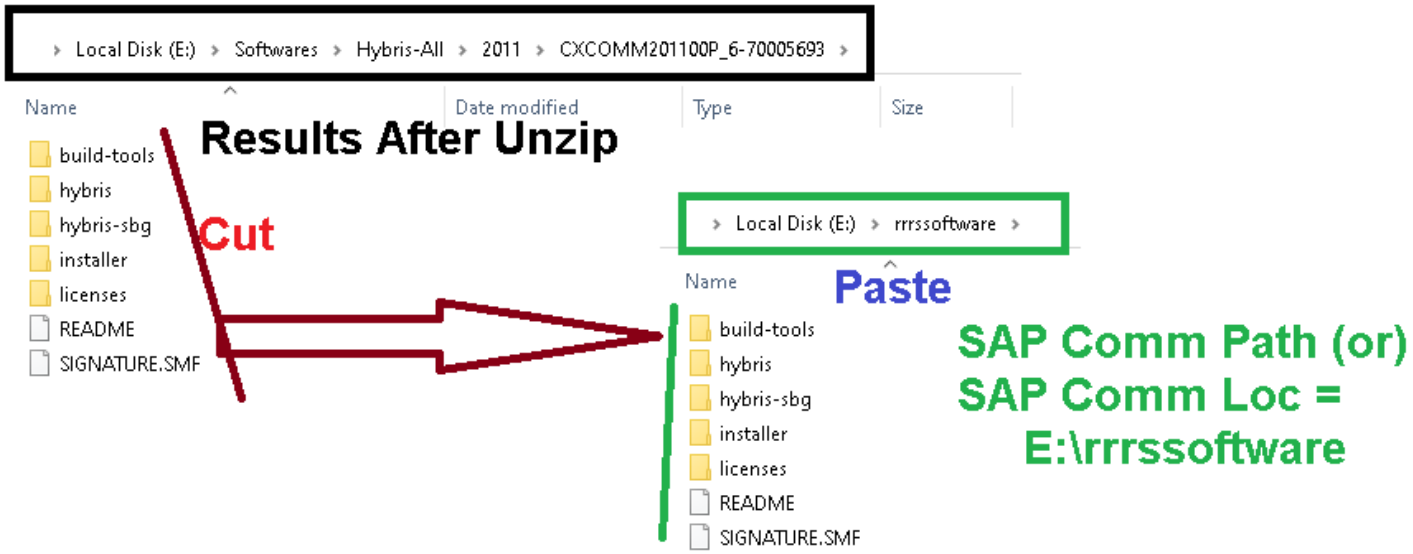


After Unzip – “SAP Comm” Path (or) Location =

E:\Softwares\Hybris-All\2011\CXCOMM201100P_6-70005693

Best Practice = Try to avoid “Spaces / - / Special chars / …” in the Path.

So, put the “SAP Comm” in proper location = E:\rrrssoftware.



Step 3 = Download Java & Set the Java Path

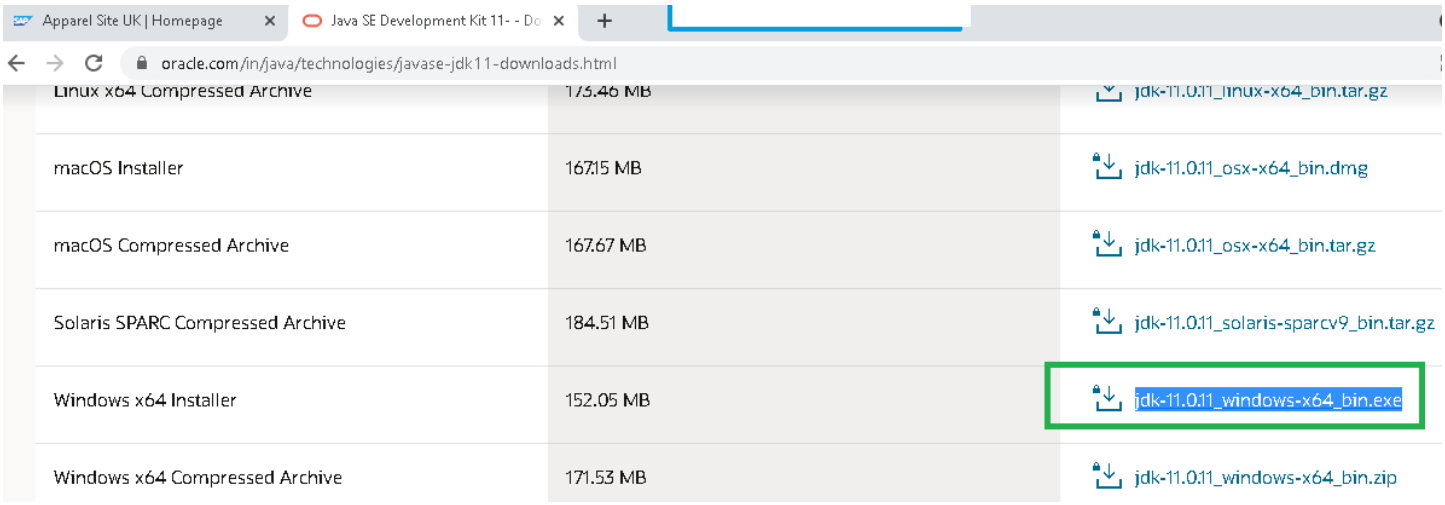
“SAP Comm” – Uses the Java.

Hybris 6.X / 1808 / 1811 = **Java 8** is required.

SAP Comm – “1905 / 2005 / **2011**” = **Java 11** is required.

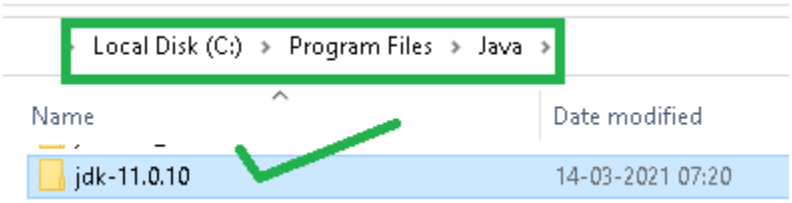
Q = Download “**Java**” software & Install it?

URL = https://www.oracle.com/in/java/technologies/javase-jdk11-downloads.html



Note = This is ***.exe** file. So just double click → Next … & install it.

Results = After installation of Java: -



Java Location = C:\Program Files\Java\jdk-11.0.10

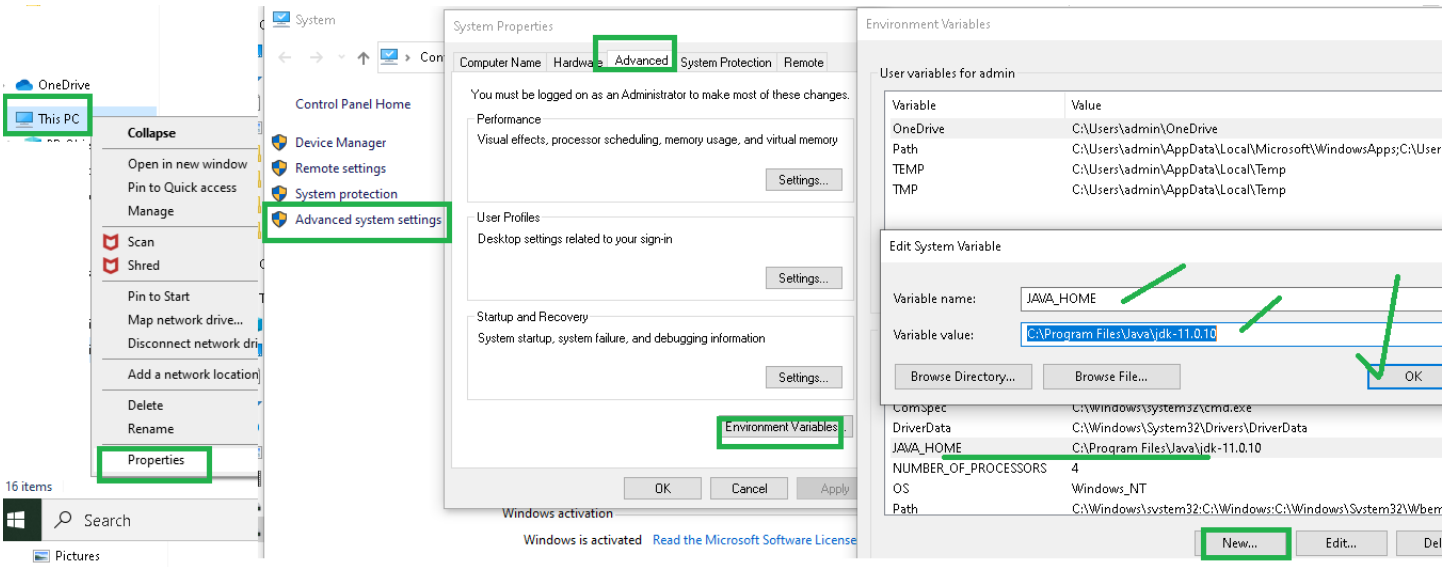
JAVA_HOME = C:\Program Files\Java\jdk-11.0.10

Q = How to set the **JAVA_HOME** & **Path**?

JAVA_HOME = RMB – This PC → Properties → Advanced system settings → Advanced → Environment Variables →**New** [System variables]

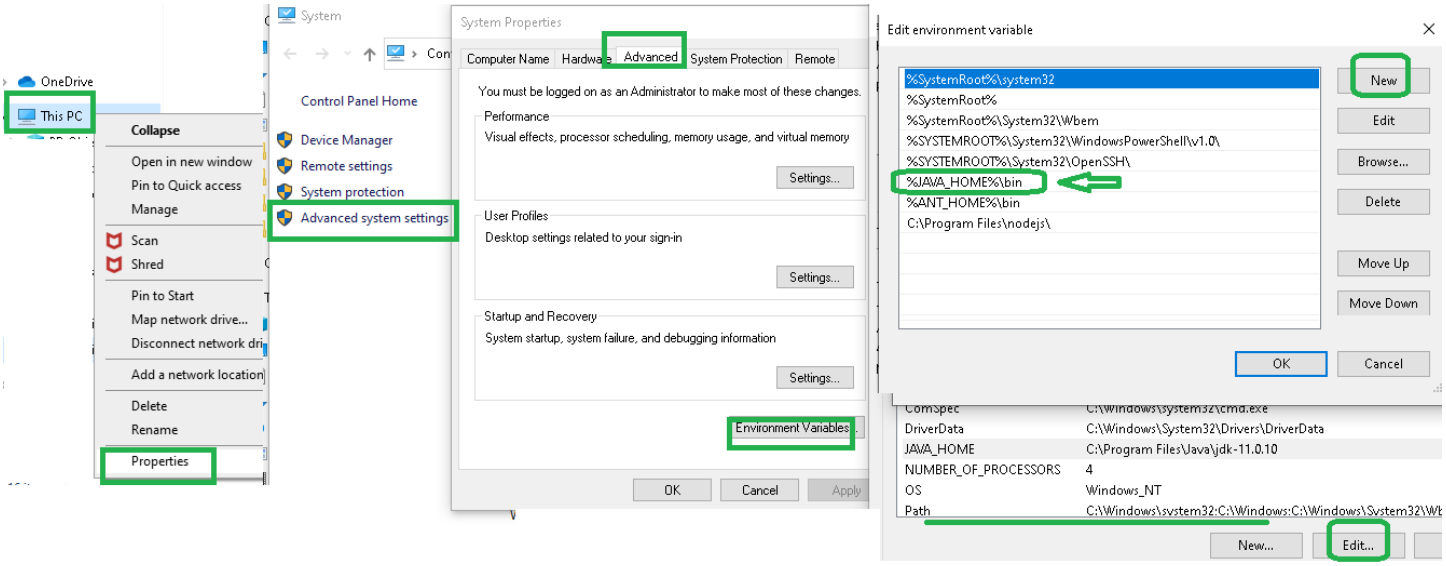
Variable name = **JAVA_HOME**

Variable Value = C:\Program Files\Java**jdk-11.0.10**



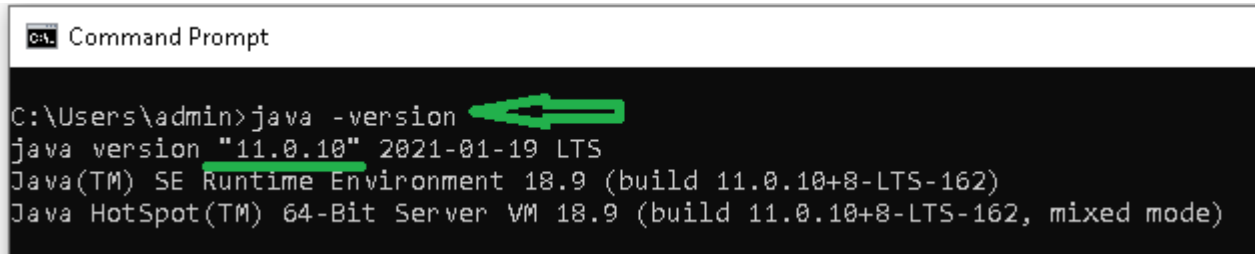
Path = RMB – This PC → Properties → Advanced system settings → Advanced → Environment Variables →**Path** [Select] → Edit

%JAVA_HOME%\bin



Q = How to check Java Path is set correctly (or) not?

C:\Users\admin>**java -version**



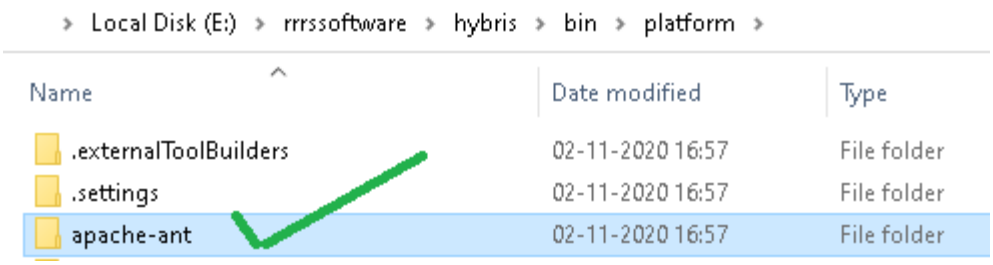
Step 4 = Set the ANT Path

In "SAP Comm" – We have the code. This code needs to be Build.

For build purpose – We can use "**ANT** / Maven / …".

Let's use ANT because, ANT is part of "SAP Comm" software and we don't need to download separately.

Q = Where we can see "ANT" details?

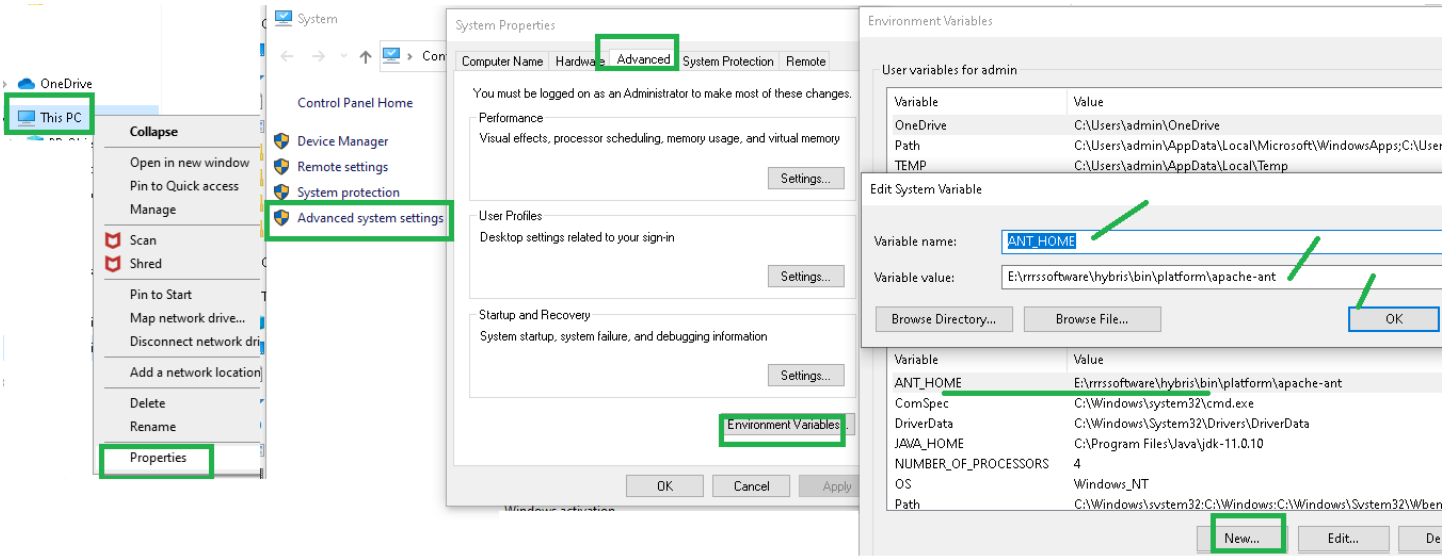


ANT_HOME = E:\rrrssoftware\hybris\bin\platform\apache-ant

ANT_HOME = RMB – This PC → Properties → Advanced system settings → Advanced → Environment Variables →**New** [System variables]

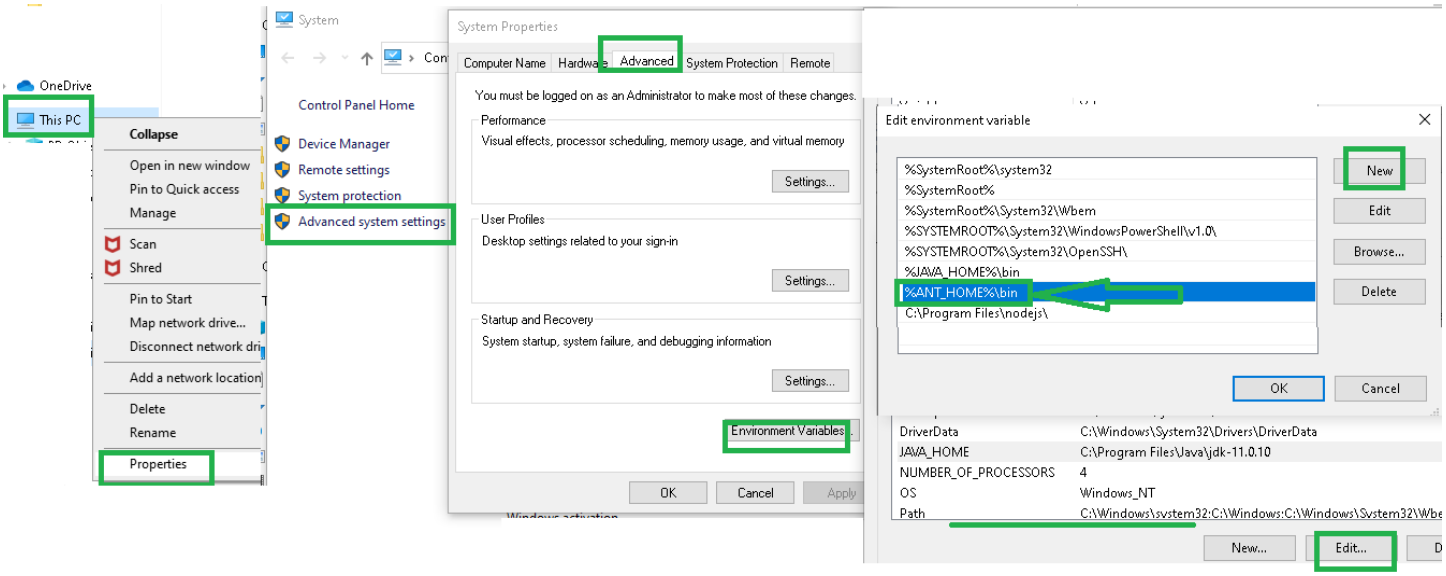
Variable name = **ANT_HOME**

Variable Value = E:\rrrssoftware\hybris\bin\platform\apache-ant



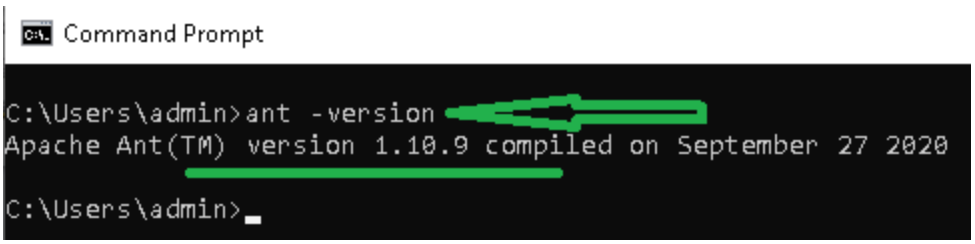
Path = RMB – This PC → Properties → Advanced system settings → Advanced → Environment Variables →**Path** [Select] → Edit

%ANT_HOME%\bin



Q = How to check ANT Path is set correctly (or) not?

C:\Users\admin>**ant -version**



Step 5 = Set the "**admin**" user password

"SAP Comm" by default comes with **admin** user.

Note = Setting the admin user password is required in latest version.

Example =

1905 / 2005 / **2011** – Then set the admin user password.

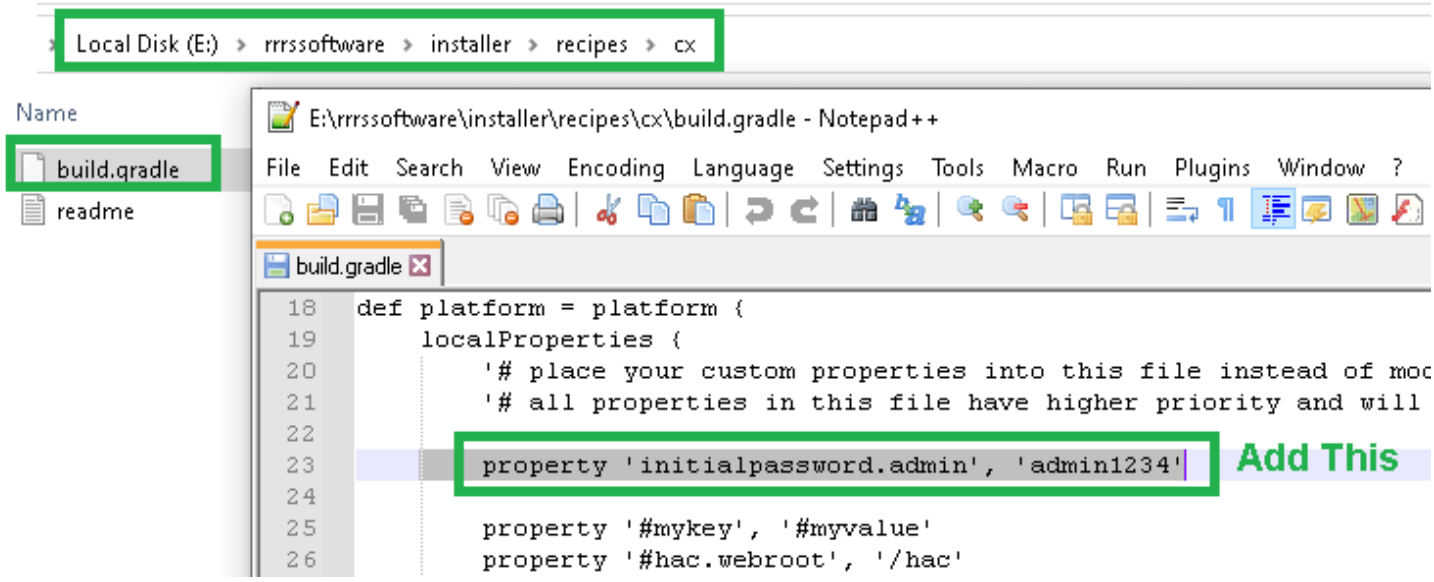
6.X / 1808 / 1811 – Then setting the admin user password is not required [optional]. In these versions, "SAP Comm" by default gives **admin** user password as **nimda**. Hence there is secure breach.

In latest version -- To increase the security "SAP Comm" force us to set the password for "admin" user.

Q = How to set the "admin" user password?

Assume that – We decided to install **cx** recipes.

cx recipe = Will provide "3 Sample B2C Sites & 1 Sample B2b Site".

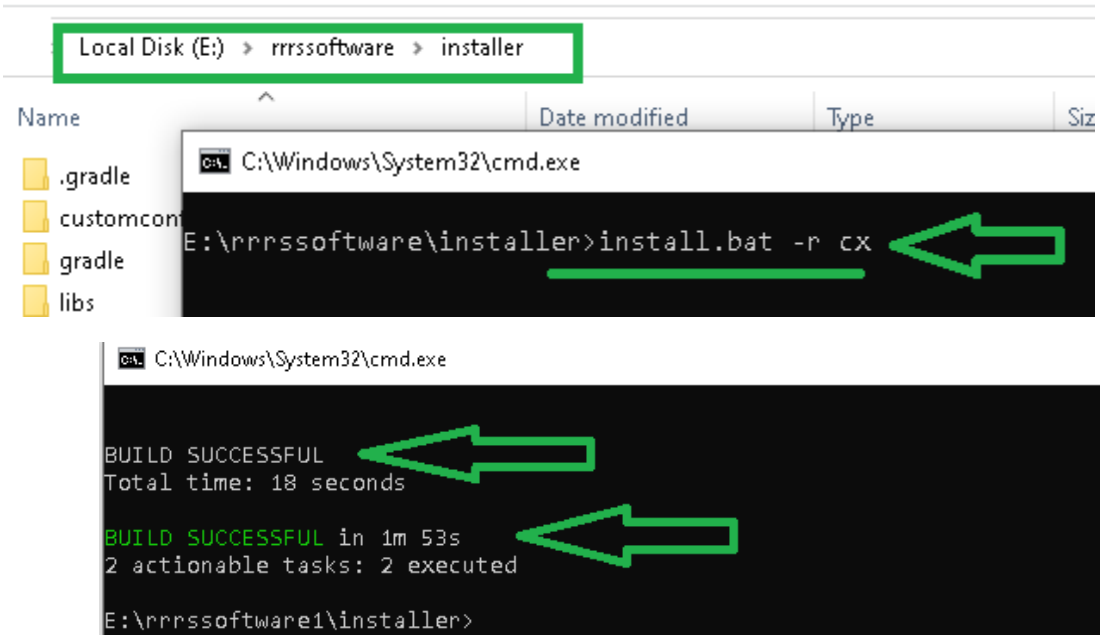


Step 6 = Install the “SAP Comm” (or) Install the “SAP Comm” Recipe.

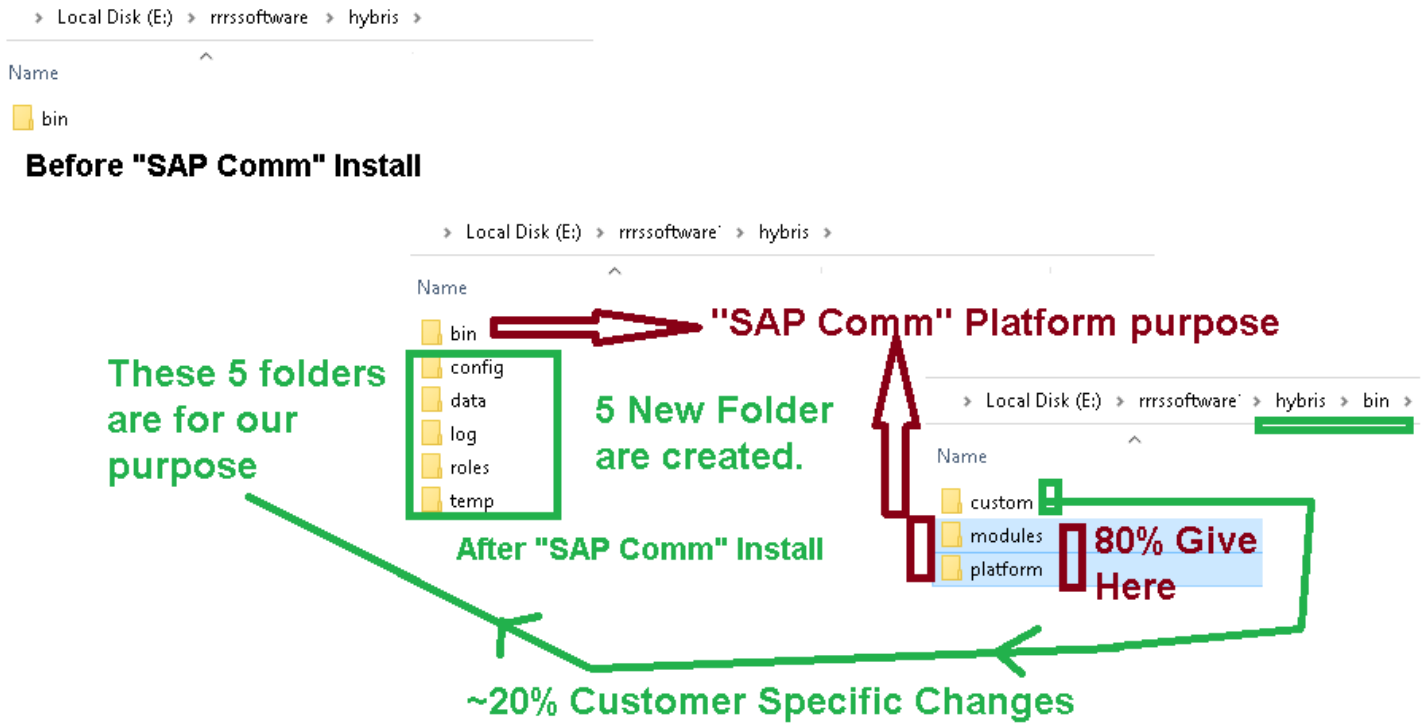
Assume that – We decided to install **cx** recipes.

Syntax =

E:\rrrssoftware\installer>**install.bat -r cx**



Results – After the “SAP Comm” install?



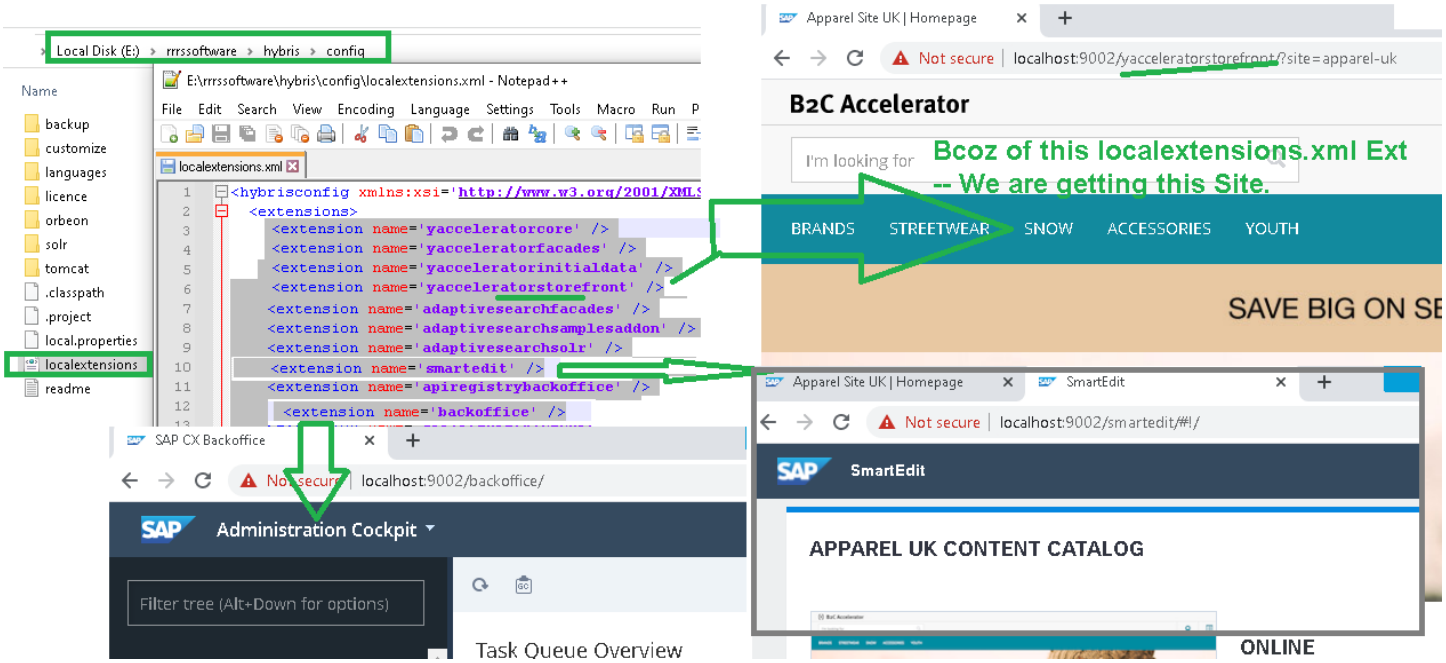
Q = What is the “SAP Comm” (or) Hybris directory structure?

1) Bin 2) Config 3) Data
4) Log 5) Roles 6) Temp

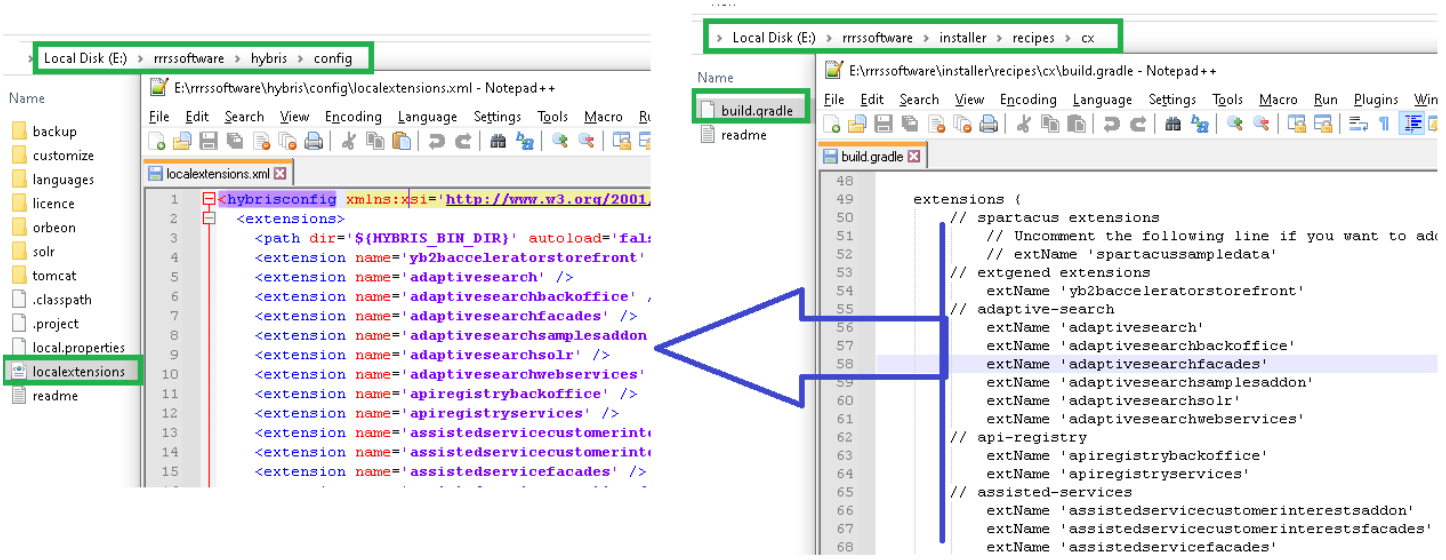
Note = In Config folder we have 2 important files: -

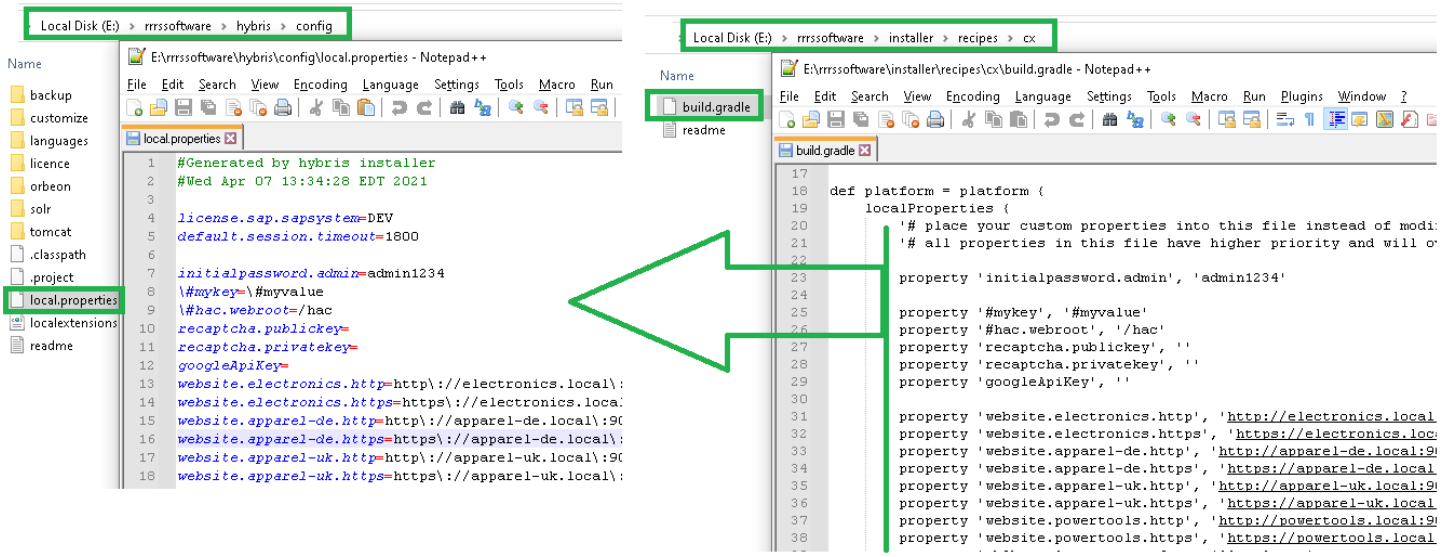
1) Local.properties 2) Localextensions.xml

Q = What is the importance of “localextensions.xml”?

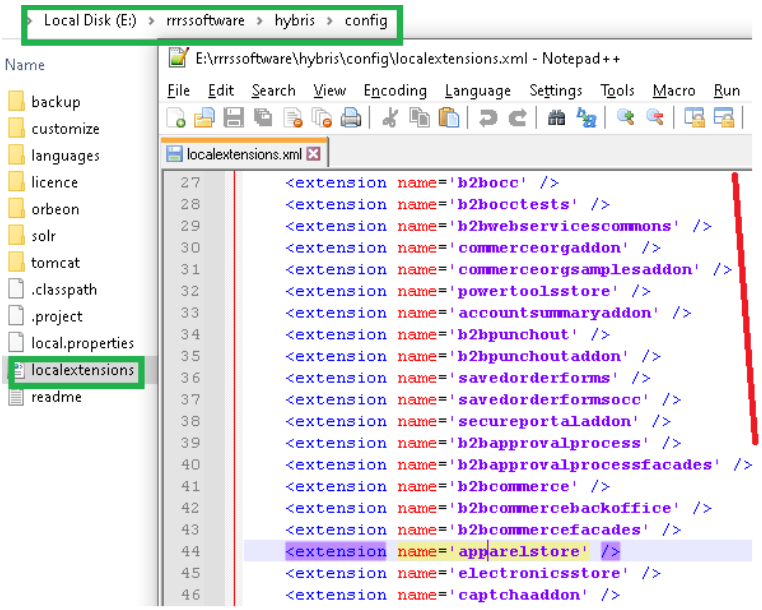


Q = From where “localextensions.xml” & “local.properties” entries come?





Step 7 = [**Optional**] Change the scope



Q1 = Do you think that -- All these Exts [code] are required for the client?
= May not
==== If not required the delete those.

Q2 = Do you think that -- All these Exts are sufficient (or) we may add more?
=== We may add more also

====> Adding Exts in localextensions.xml (or) Removing Exts from localextensions.xml --- Is called "Change Scope"

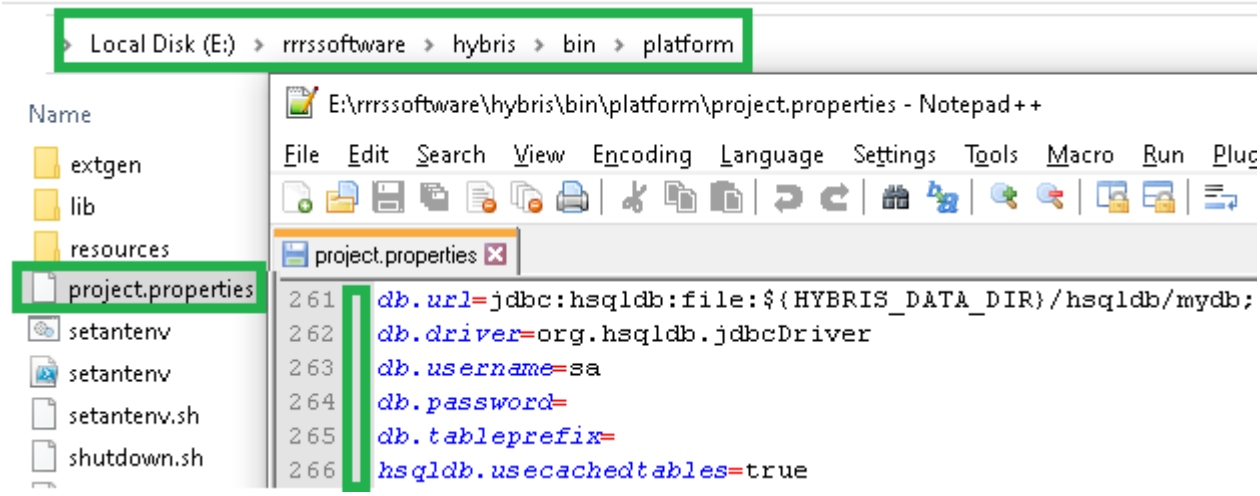
=== We are not doing any changes in this file right now. Because we want all the functionalities whatever given.

Doing this step is also called as “Changing the functional scope”.

Step 8 = [**Optional**] Change the DB

"SAP Comm" by default comes with "HSQL DB'.

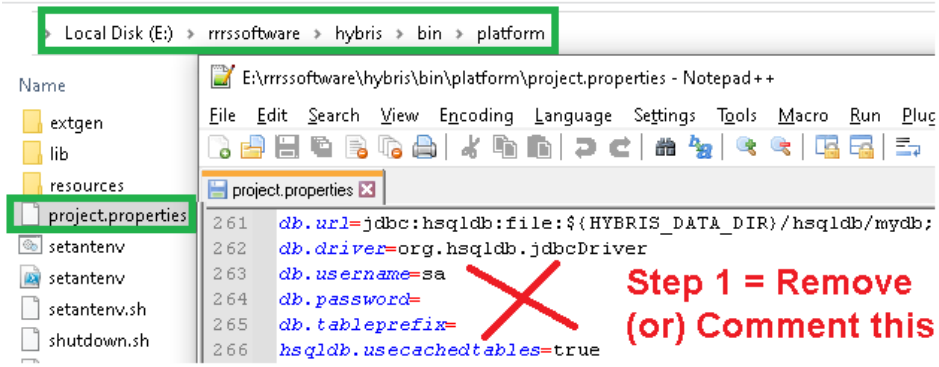
Q = Where can we see the SAP Comm provided "HSQL DB" details?

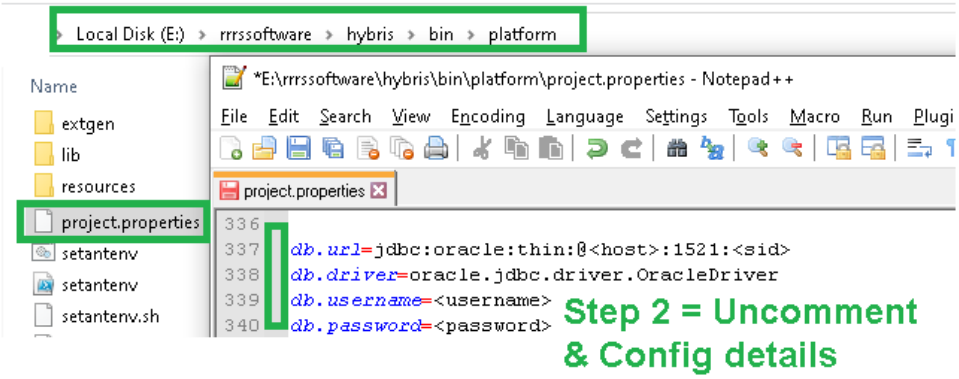


Scenario = Let's say – Client don't want to use "HSQL DB" & they want to use "Oracle DB / HANA DB / MS SQL DB / …."?

Q = How to do the SAP Comm pointing Oracle DB?

Solution1 =Not the best practice





Note = Solution1 works & no problem. But this is not the best practice.

Q = Why Solution1 is not the best practice?

In Solutio1 – We are doing the changes directly inside the "\bin\platform**project.properties**".

Platform folder will be replaced when we do the upgrade with latest.

Hence – our changes will be lost.

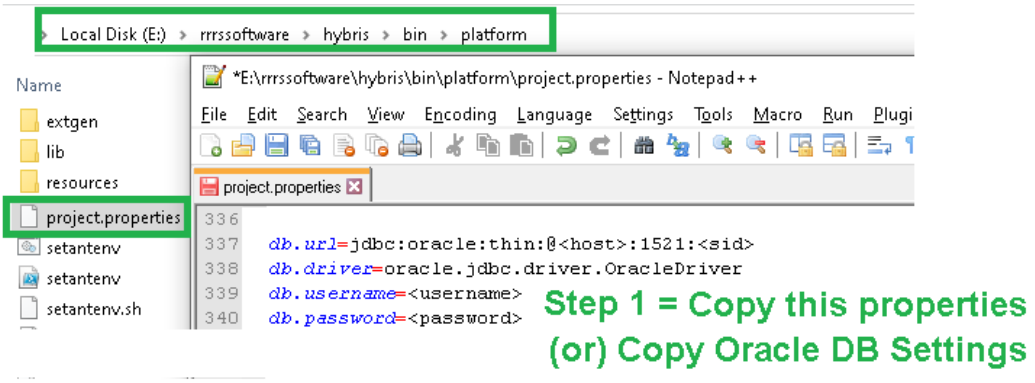
Now – What to do?

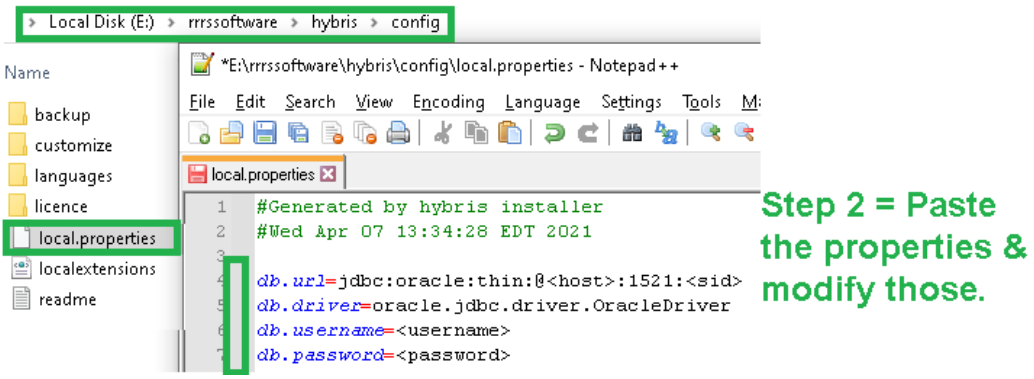
Instead we do the changes "\bin\platform\project.properties**" …** We can do the changes inside "Config**local.properties**".

Conclusion =

The alternate for "hybris\bin\platform\project.properties" – Is "hybris\config**local.properties" = Solution 2**

Solution2 = Best Practice



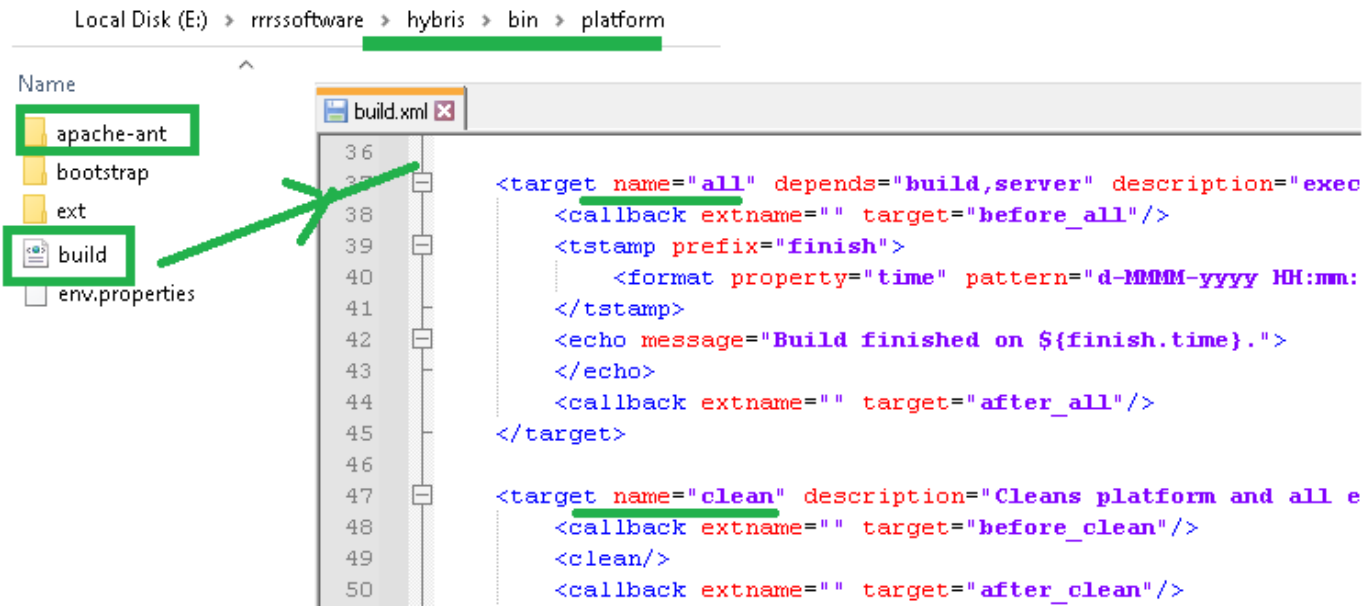


Step 9 = Do the build

For purpose – We can use "**ANT** / Maven /….".

SAP Comm by default comes with "**ANT**" tool.

ANT uses "**build.xml**".



Q = What are the important "ANT" Commands [Build.xml – Targets]?

1) ant all 2) ant clean all 3) ant deploy

4) ant extgen 5) ant modulegen 6) ant initialize

7) ant gradle 8) ant customize 9) ant production

10) ant updatesystem 11) …..

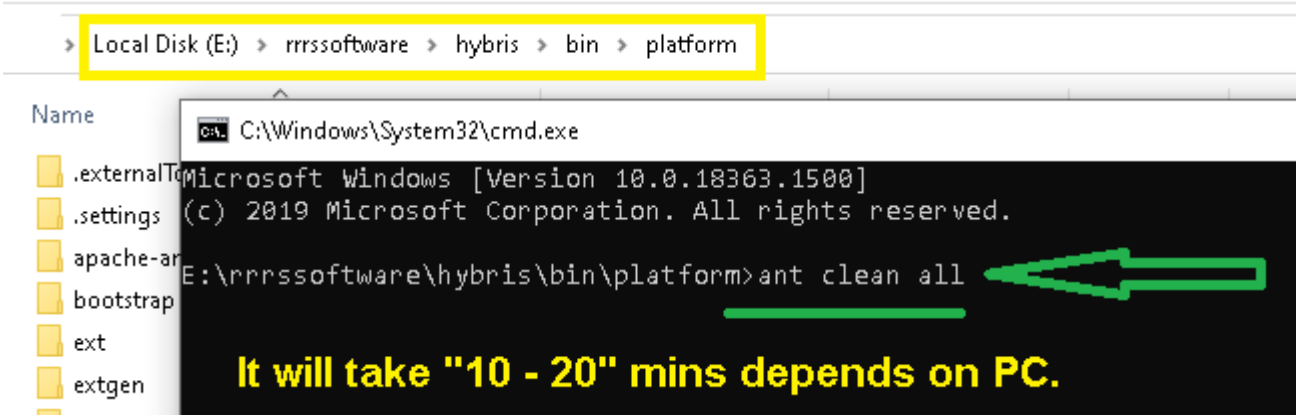
Q = How to do the build?

Syntax =

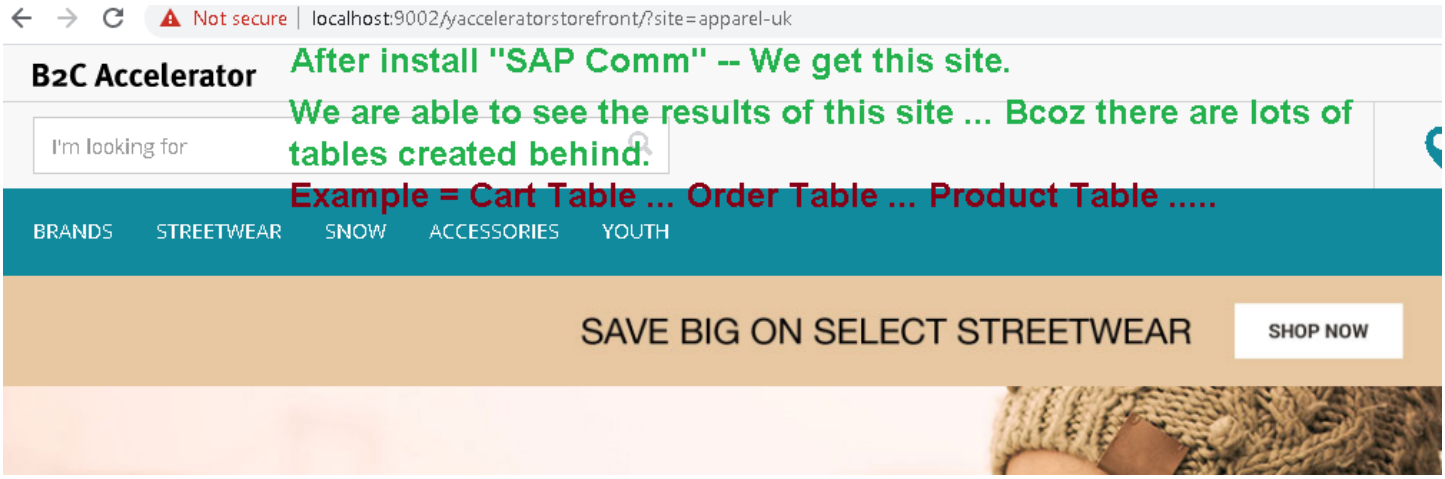
E:\rrrssoftware\hybris\bin\platform>**ant clean all**

(or)

E:\rrrssoftware\hybris\bin\platform>**ant all**



Step 10 = Perform the **Initialization [INIT]**



That means – Any eComm site will have some common tables like: -

Cart table … Product table … Order table … User table ….

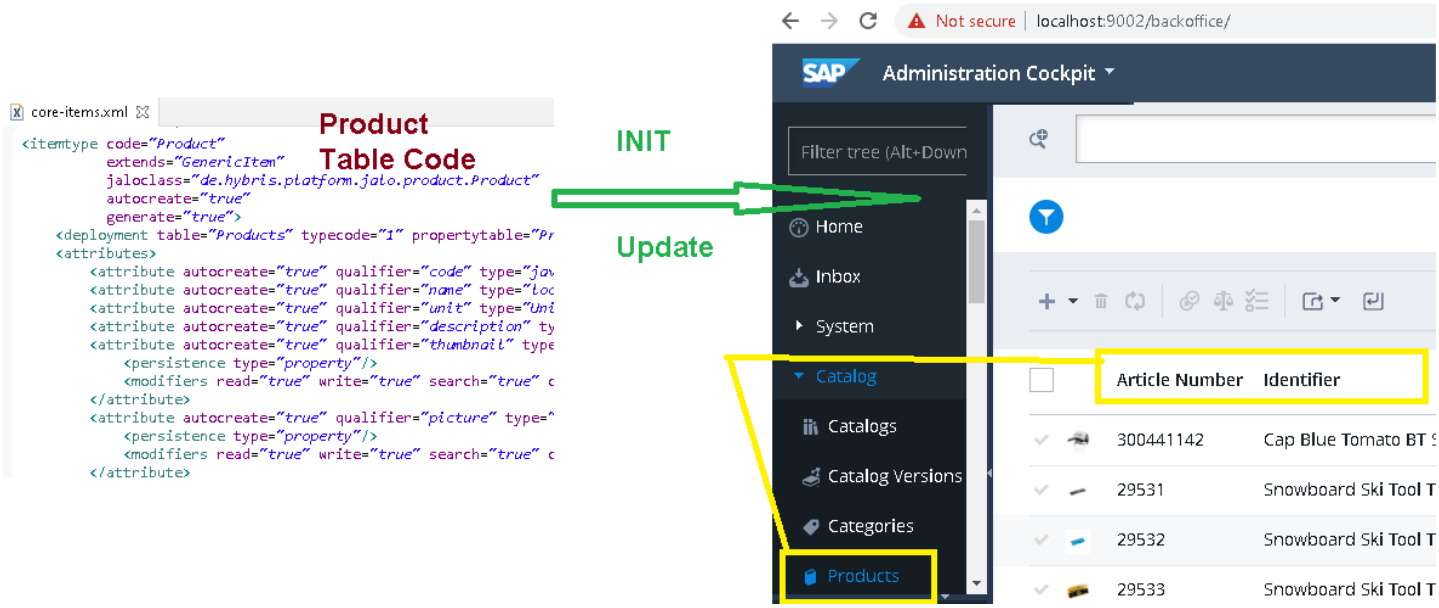
Q = Do we need to write the code for these tables (or) Do we need to do the design for these table?

No need. Then what ===

Right now we are planning to use “SAP Comm”.

This “SAP Comm” provides code / design for these tables.

Q = Where can we see these tables code / design? = ***-items.xml**



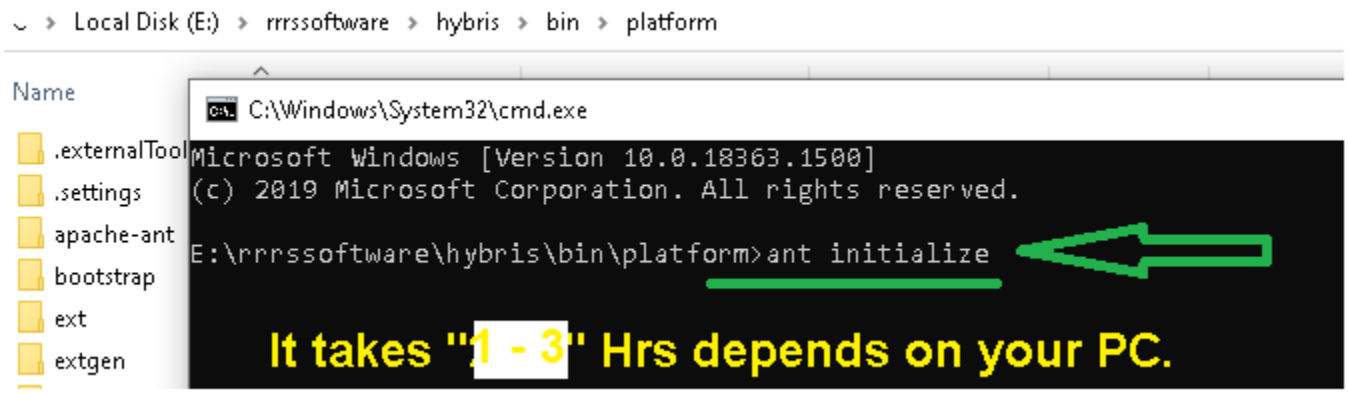
Q = What happens during the INIT / Update?

"SAP Comm" DB tables [Cart … Order … Product …] will be created.

Q = How to do the INIT?

Syntax =

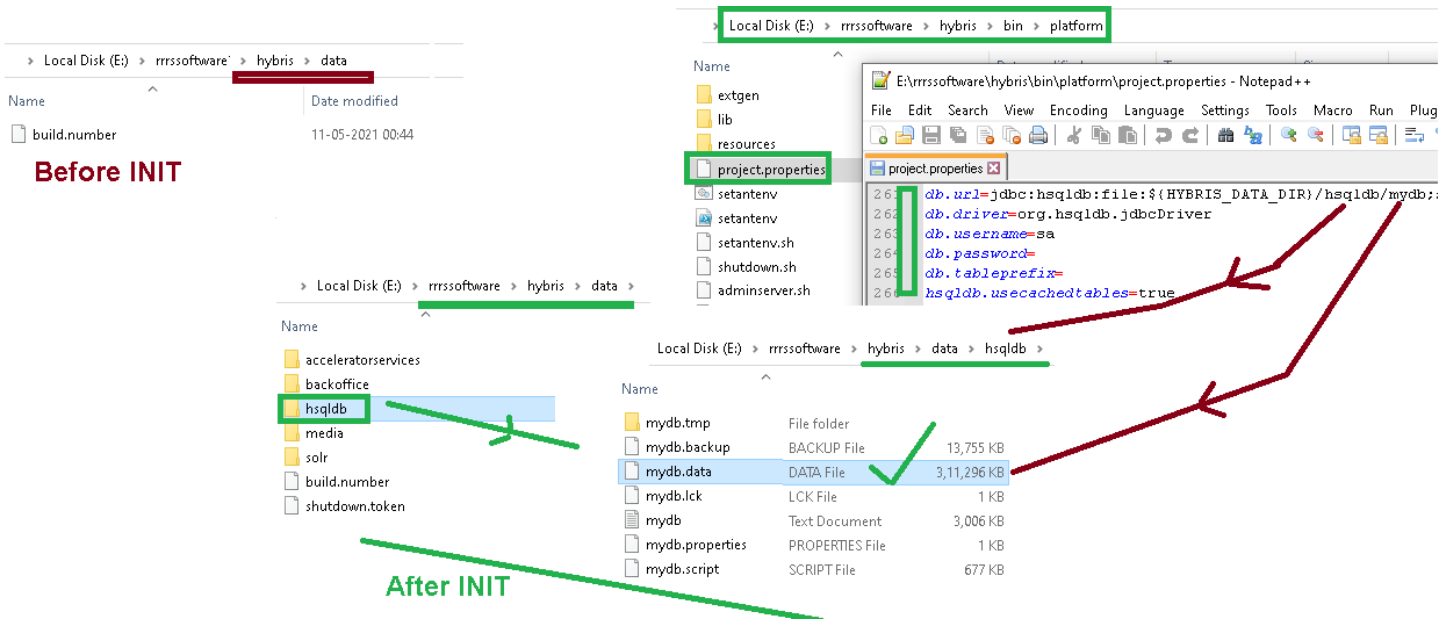
E:\rrrssoftware\hybris\bin\platform>**ant initialize**



Note = When INIT happening: -

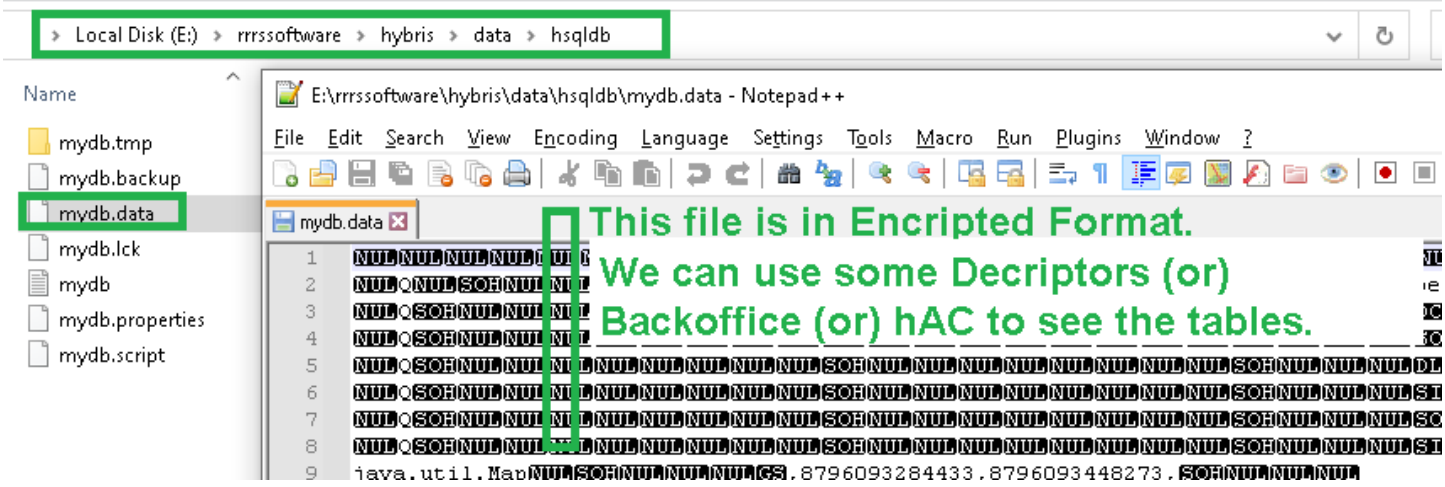
1) Make sure you are not closing the command window
2) Make sure your system is not going sleeping mode.

Results – After INIT



Conclusion =

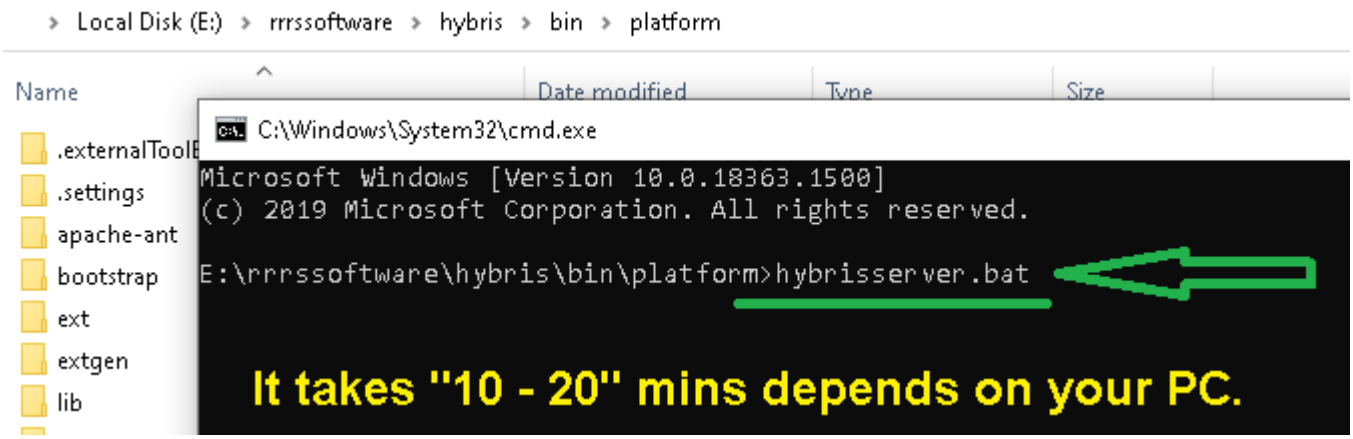
All the HSQL DB tables are there in “mydb.data” file.



Step 11 = After INIT is done – Start the “SAP Comm” (or) Hybris Server.

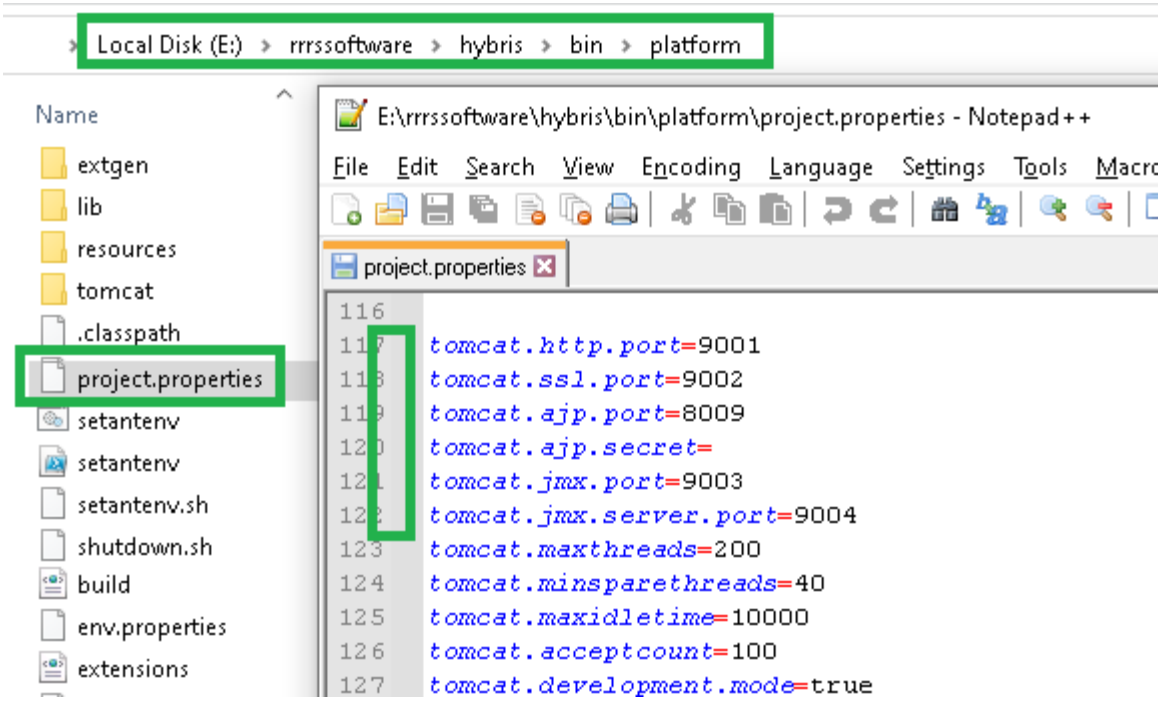
Syntax =

E:\rrrssoftware\hybris\bin\platform>**hybrisserver.bat**



Note = By default “SAP Comm” Hybris server starts @ 9001 & 9002 ports.

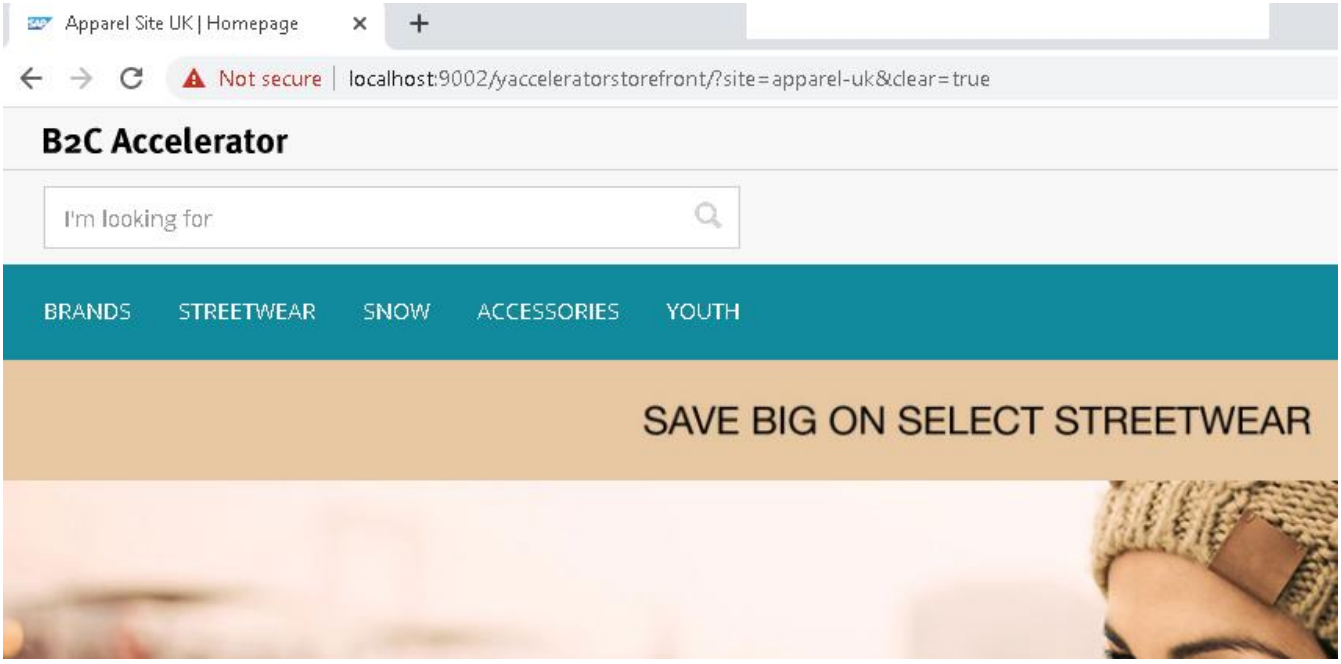
Q = Where can we see the Hybris server port numbers?



Step 12 = Test the results (or) What we get after "**SAP Comm**" install?

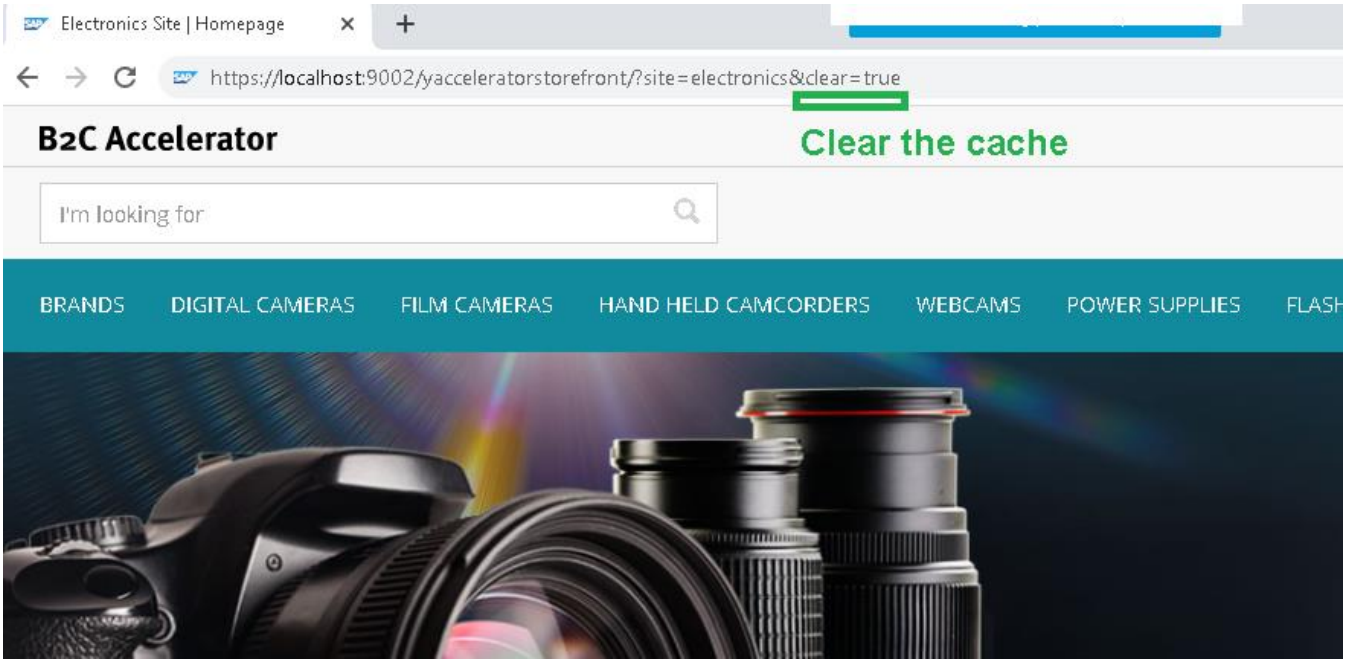
1) We have installed **CX recipe** – Bcoz of CX recipe – We get **3 sample B2C Sites** = [Apparel UK, Apparel DE & Electronics].

https://localhost:9002/yacceleratorstorefront/?site=apparel-uk



https://localhost:9002/yacceleratorstorefront/?site=apparel-de

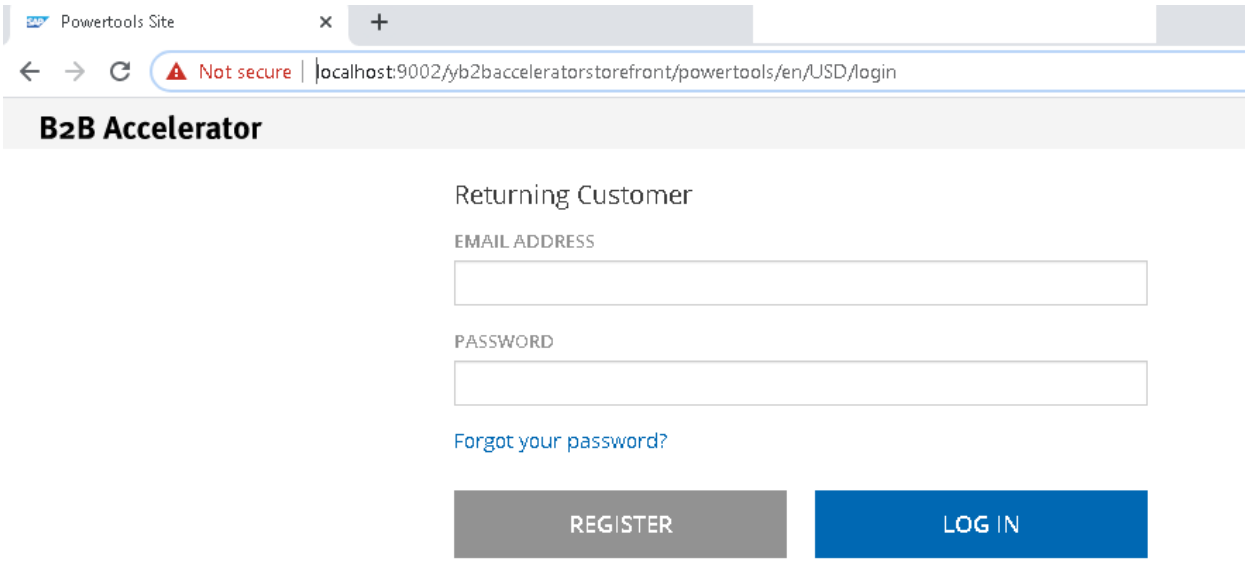
https://localhost:9002/yacceleratorstorefront/?site=electronics



2) We have installed CX recipe – Bcoz of CX recipe – We **get 1 sample B2B Sites** = Powertools

https://localhost:9002/yb2bacceleratorstorefront/?site=powertools

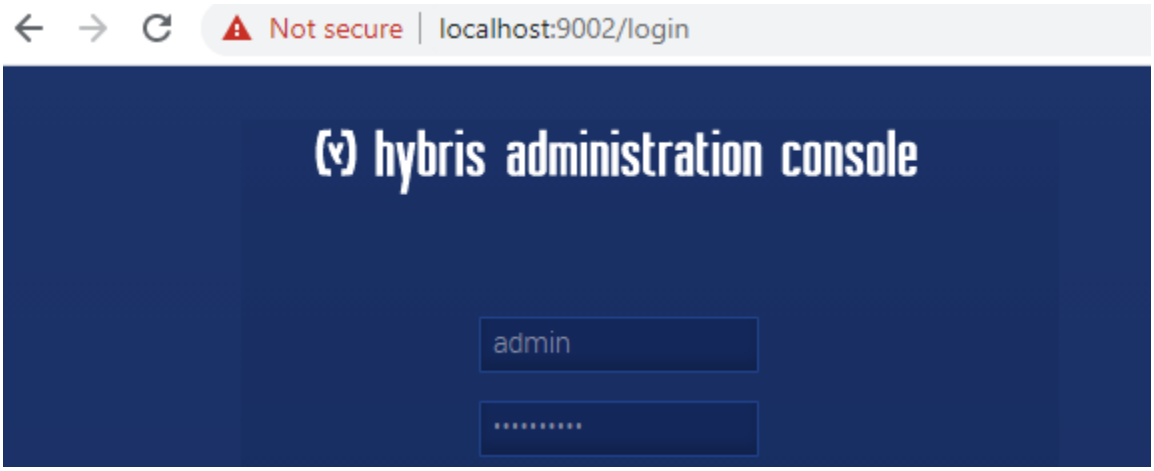
https://localhost:9002/yb2bacceleratorstorefront/powertools/en/USD/login

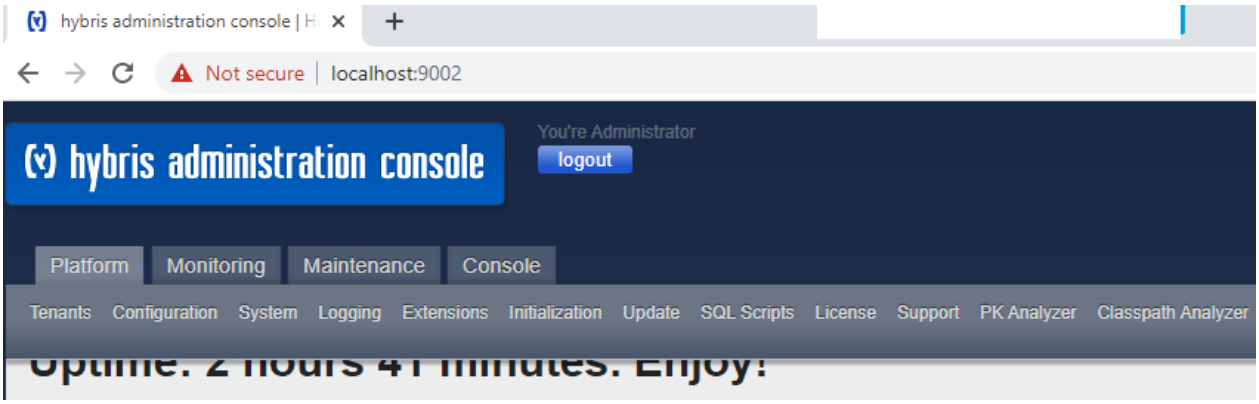


3) **hAC** = Hybris Administration Console

URL = https://localhost:9002/

admin admin1234

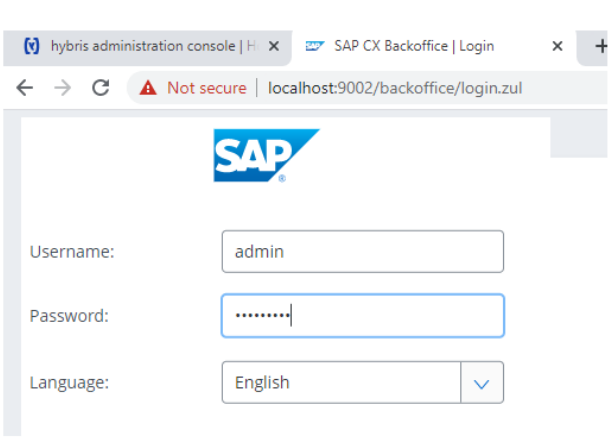


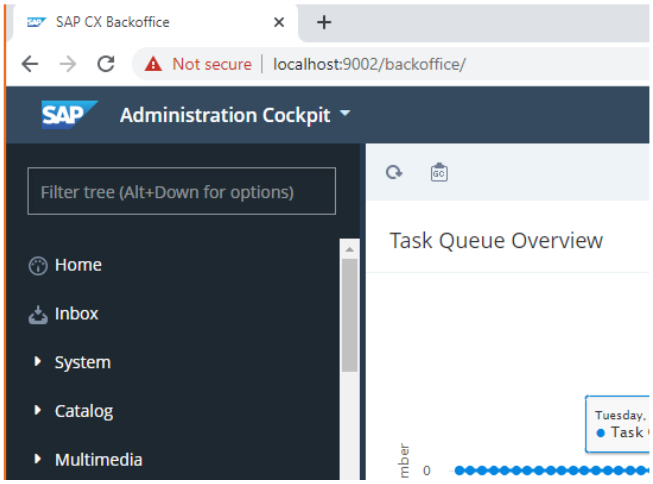


4) Backoffice

URL = https://localhost:9002/backoffice

admin admin1234





Oracle Developer Studio =

Connect to the DB.

We can see the tables.

Can able to perform CURD operations.

Oracle Develop Studio === Toad tool === **"SAP Comm" – Backoffice**.

Backoffice =

Connect to the "SAP Comm" DB.

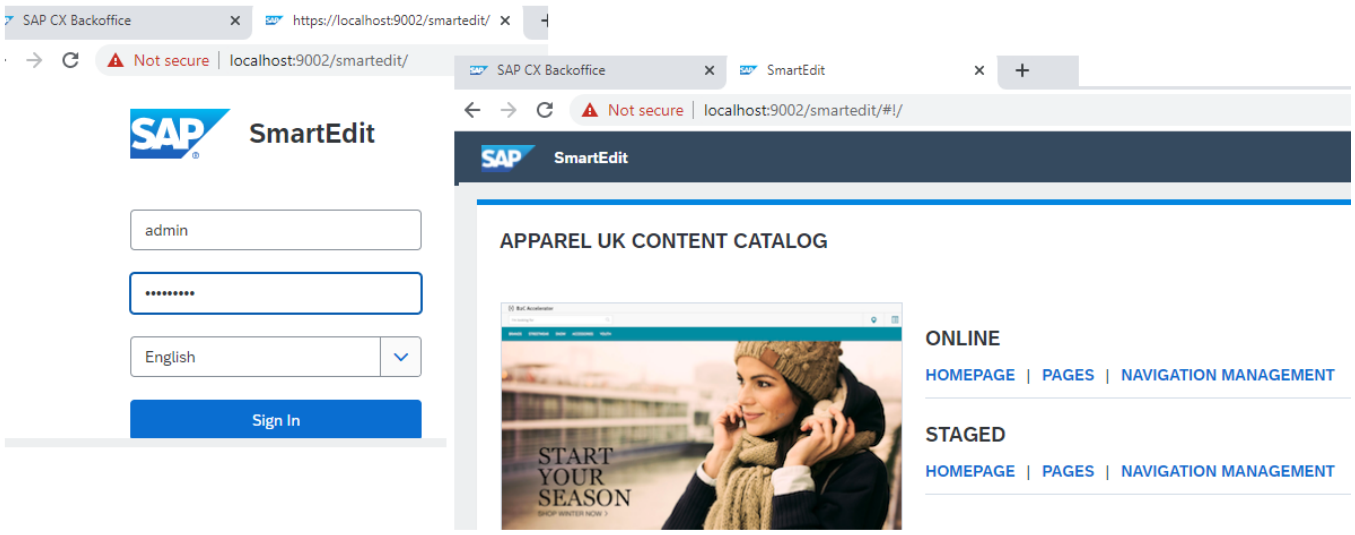
We can see the tables.

Can able to perform CURD operations.

5) **SmartEdit** =

URL = https://localhost:9002/smartedit/

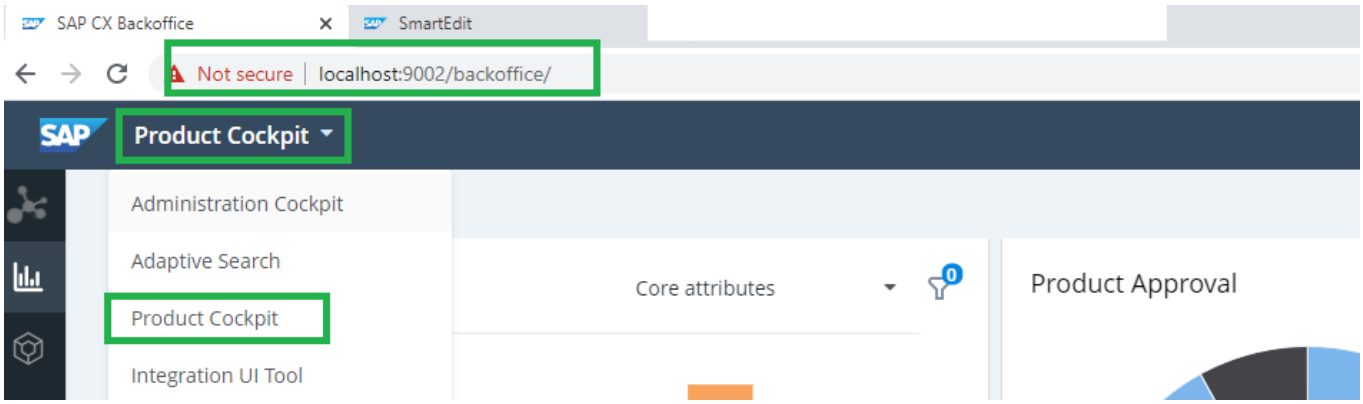
admin admin1234



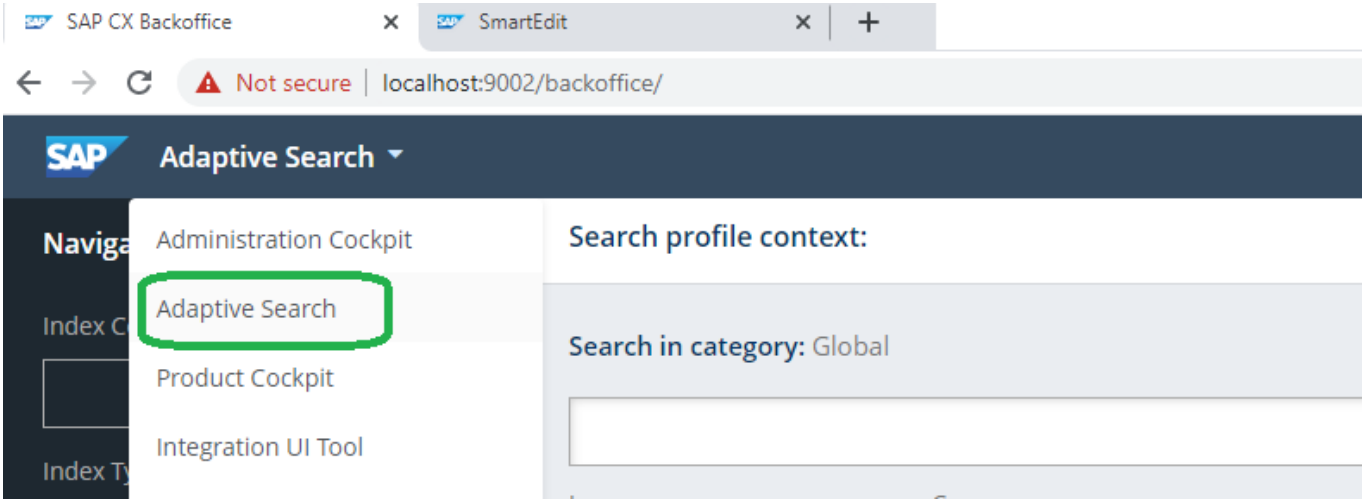
6) Product Cockpit

In old versions [5.X / 6.X – We have up to 6.7] – Product cockpit is the separate URL.

In latest version [1905 / 2005 / 2011] – Product cockpit is embedded with BackOffice.

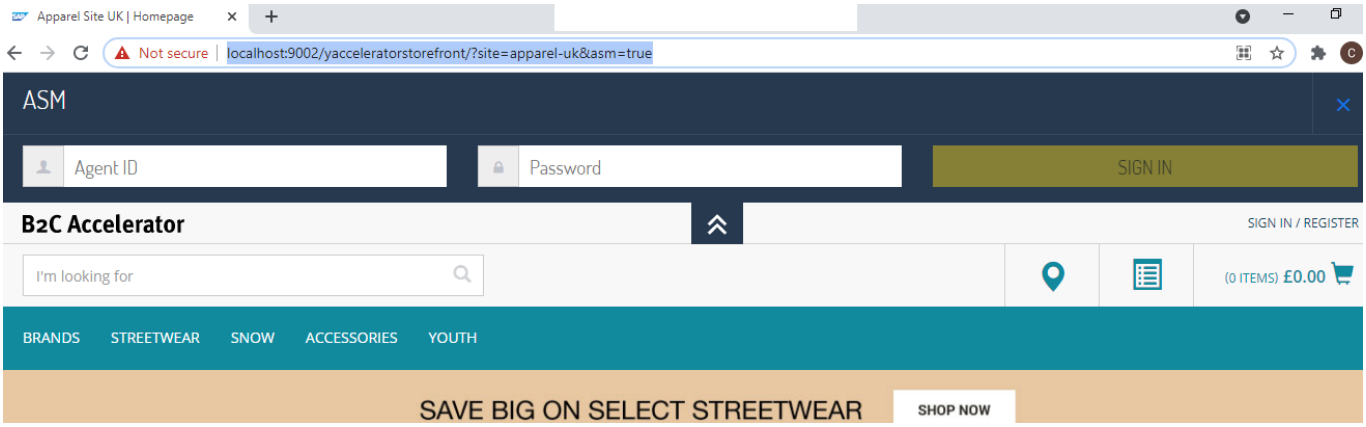


7) Adaptive Search



8) ASM

https://localhost:9002/yacceleratorstorefront/?site=apparel-uk&asm=true



9) CS Cockpit

10) ==========

Note = Yesterday we **completed** the "SAP Comm" installation.

So – From today on words: -

Just do the **build** [ant clean all / **ant all**].

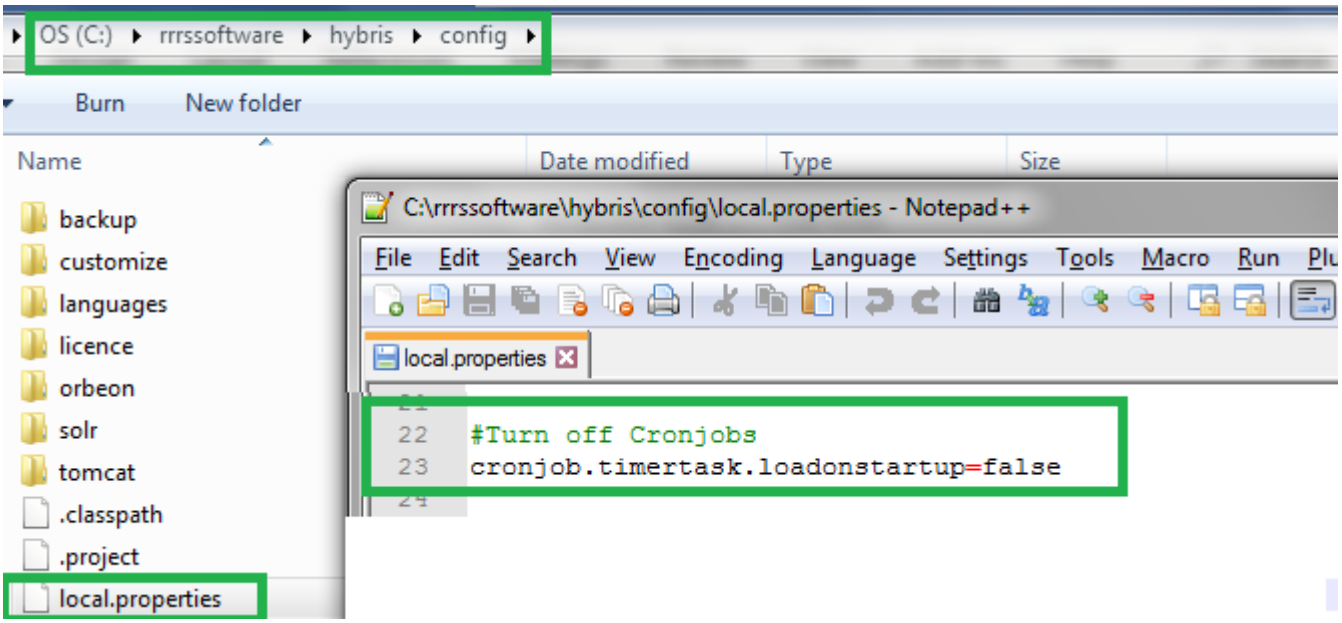
After build -- start the **Server** [**hybrisserver.bat**] & continue.

Scenario = We noticed that, “SAP Comm” Hybris Server Start up is taking more time. C:\rrrssoftware\hybris\bin\platform>**Hybrisserver.bat** [**This is taking lots of time**]

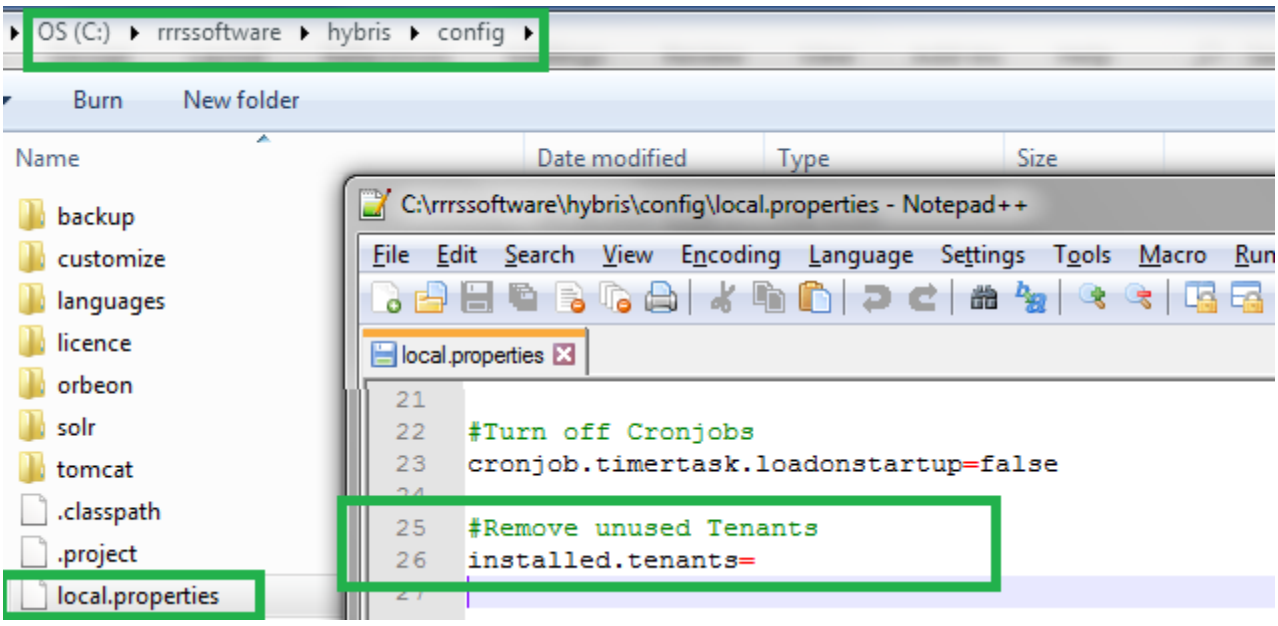
Q = How to **speed up (or) decreased** the Hybris Server Start up time?

Cronjob == It’s a program runs backgroup.

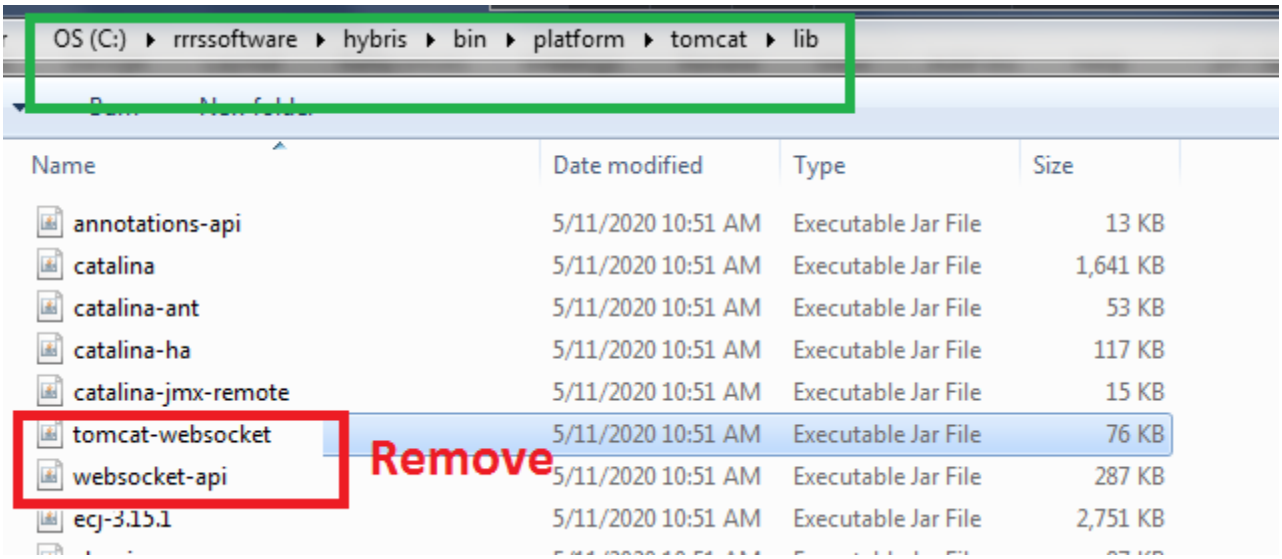
Sol1 = Turn off Cronjobs [Default Cronjobs]



Sol2 = Remove unused Tenants



Sol3 = Remove Web Socket Jar file

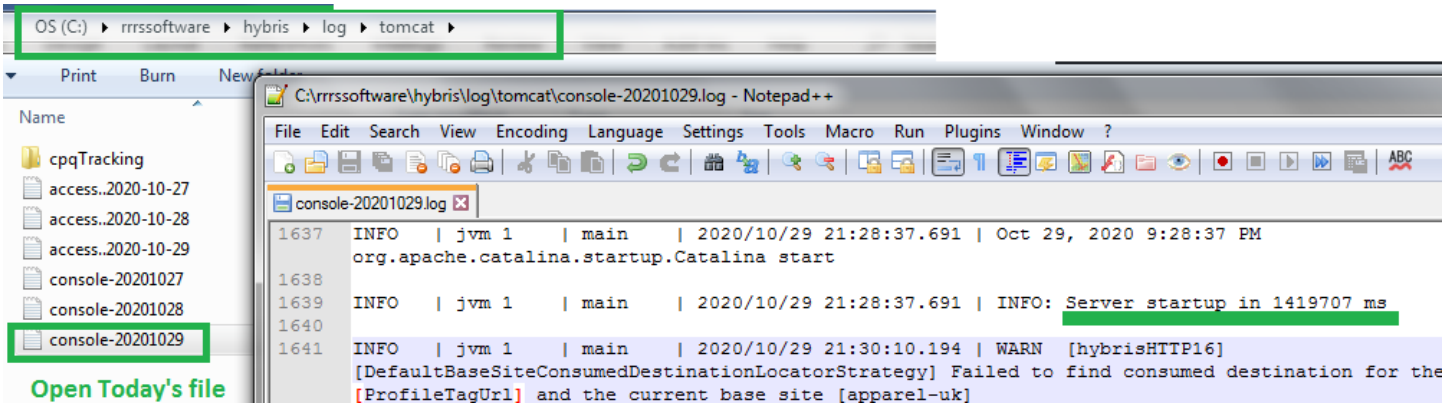


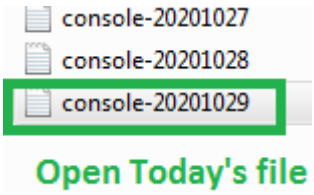
Note: - After doing above 3 solutions…

Do the build [“**ant clean all**”] &

Start the server [**Hybrisserver.bat**] and check the server start up time / speed. This improves almost 40% – 50% time.

Scenario = How to see the “SAP Comm” hybris server logs?





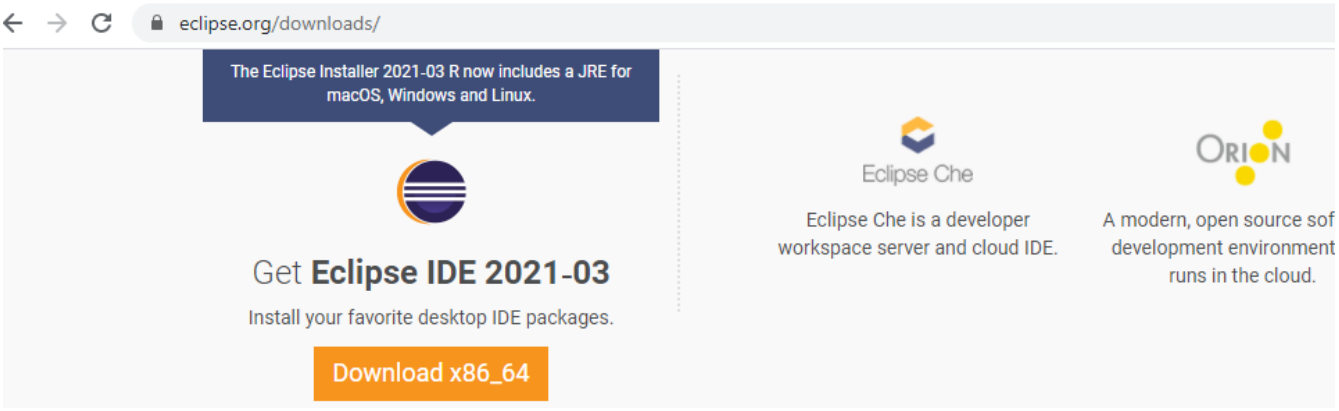
Scenario = “SAP Comm” provides **lots of code**.

We can use any Editor [**Eclipse** / IntelliJ / Notepad / …] for coding.

Download Eclipse & Install it.

URL = https://www.eclipse.org/downloads

Note = You can download any version.

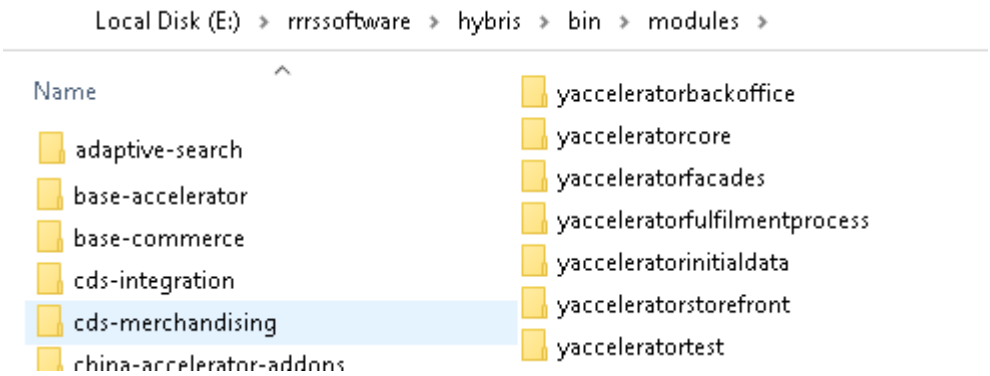


Results = After install Eclipse

Scenario = How to import “SAP Comm” **code** into **Eclipse**?

In “Java / .NET” – **Project** === “SAP Comm” – **Exts**.

SAP Comm – provides lots of Exts.

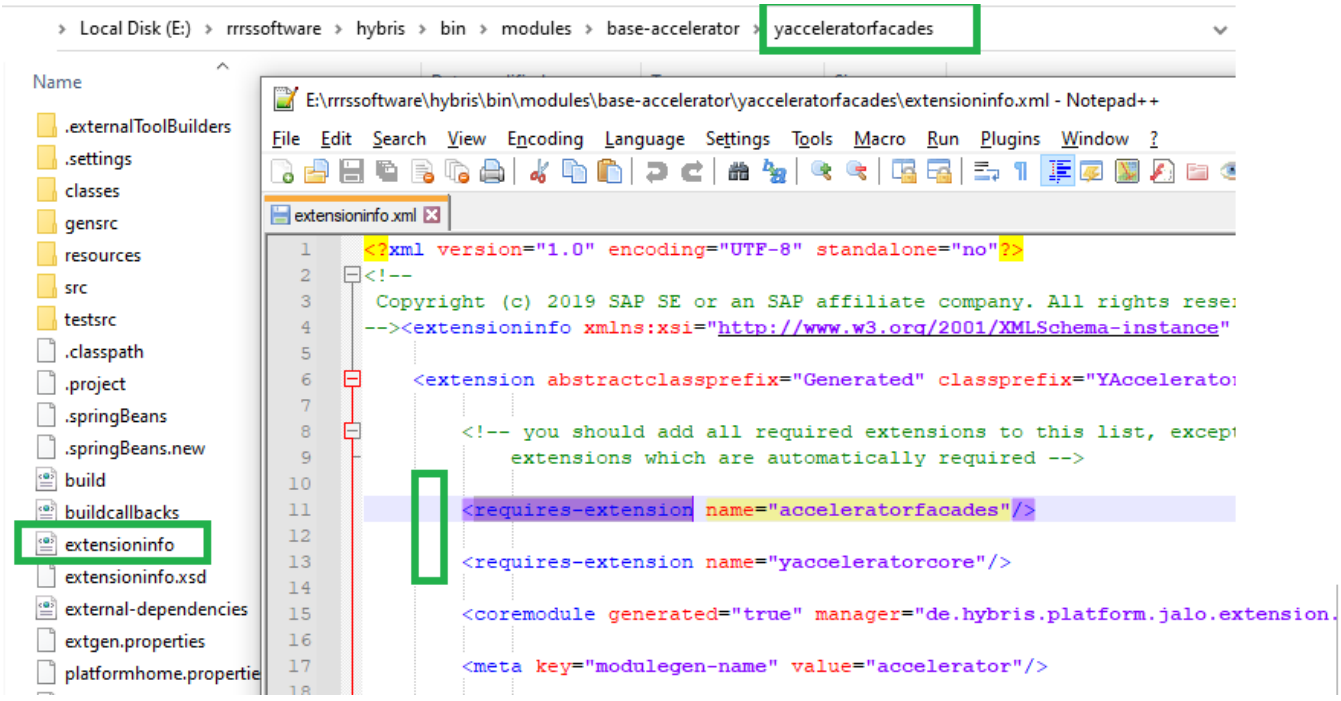


1 Exts can depend on another Exts.

Q = Where can we see the Exts dependencies?

Ans = extensioninfo.xml

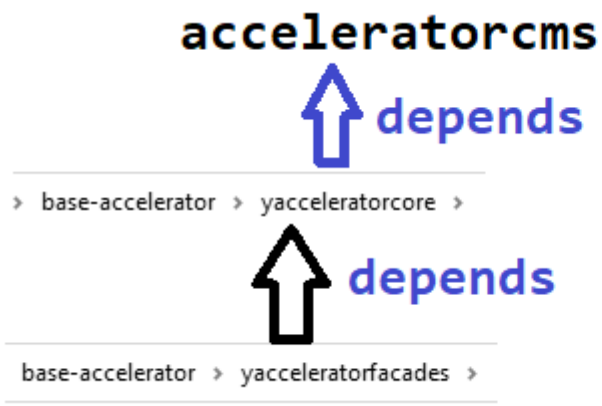
Example =



1 Ext can depend on 1 / more other Exts.

Example == yacceleratorfacades is the Ext & It depending on acceleratorfacades & yacceleratorcore

Example =

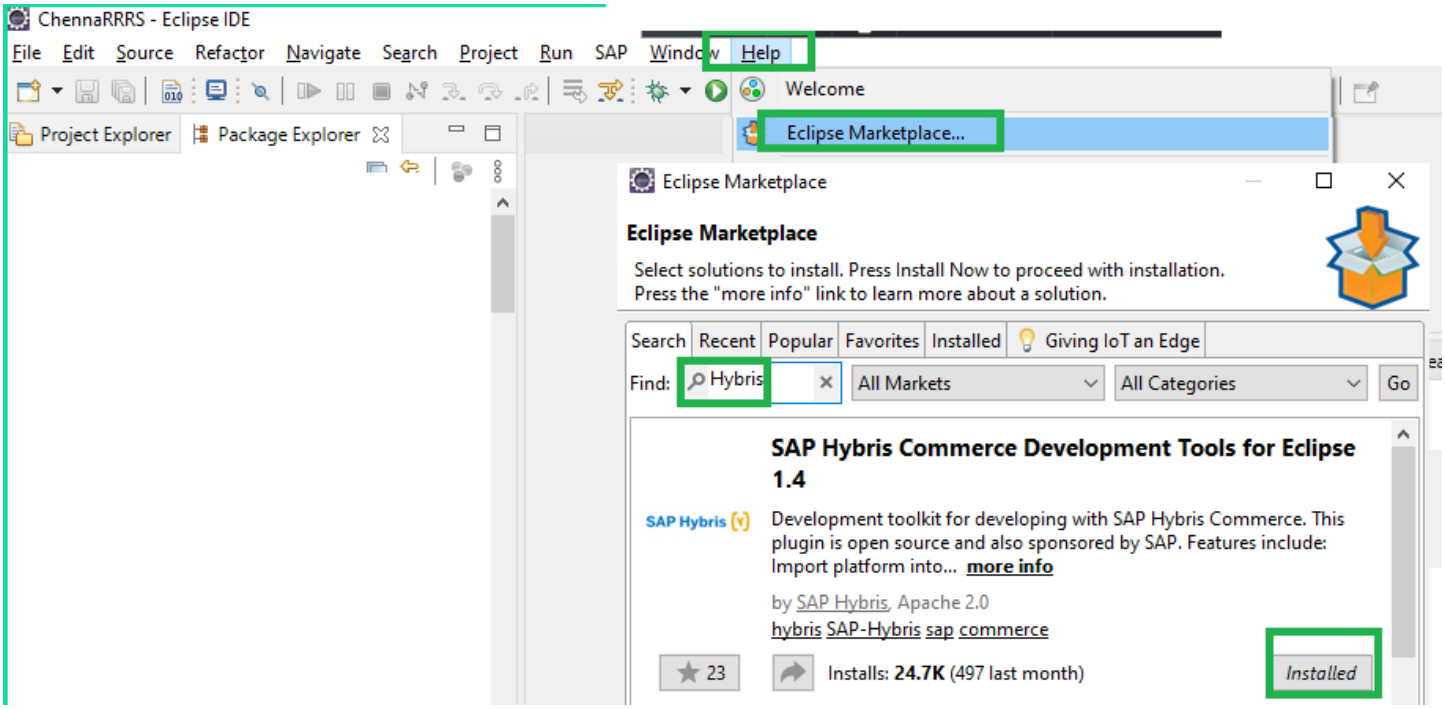


Note = It is very difficult for us to identify all dependent Exts & load into Eclipse

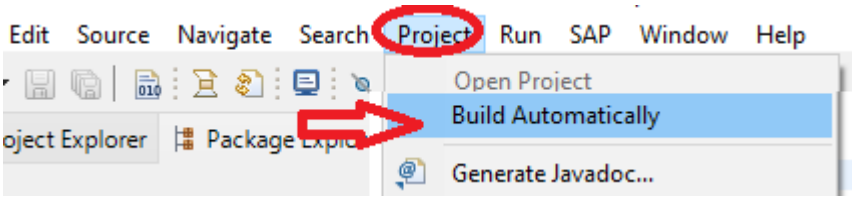
=== It's very difficult for us to identify all the dependent Exts & load into Eclipse. **Q =** Is there any easy for this?

Ans = We can use Plug-Ins. This Plug-in will identify all the dependent Exts & load into Eclipse.

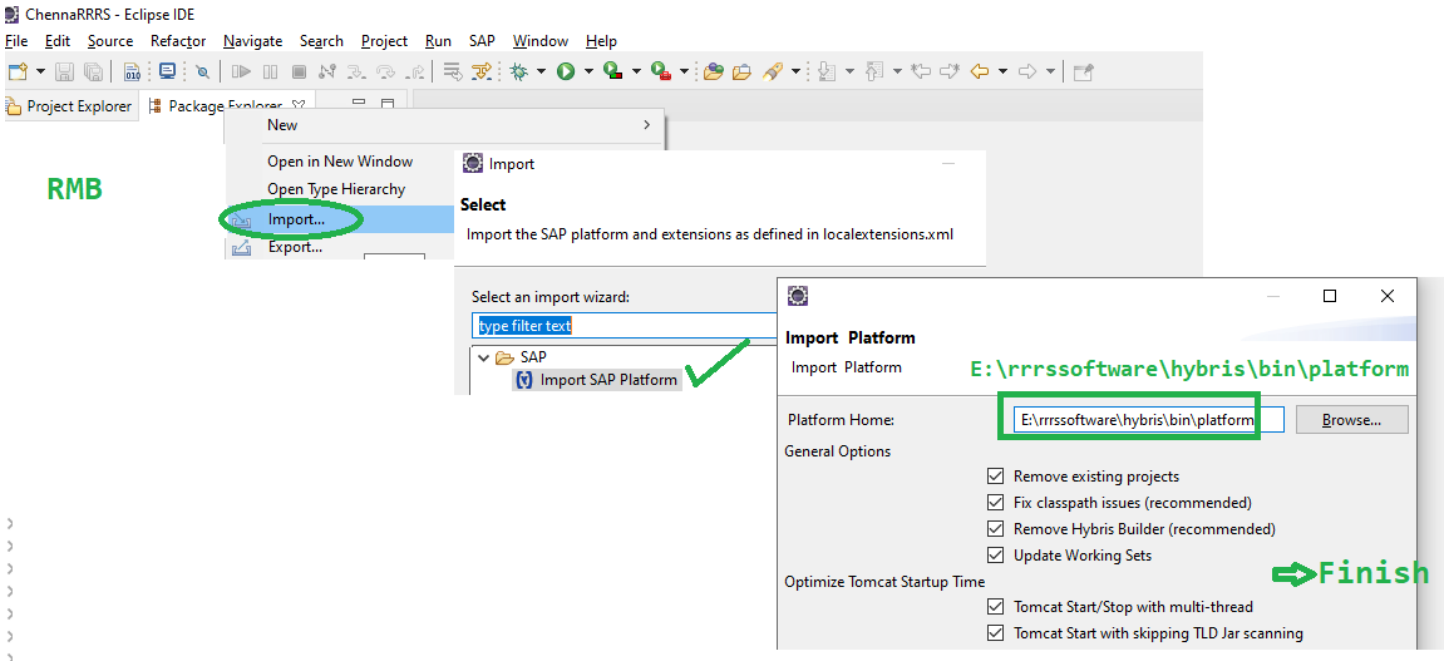
Step 1 = Open the Eclipse & Install the Plug-In [& then restart Eclipse]



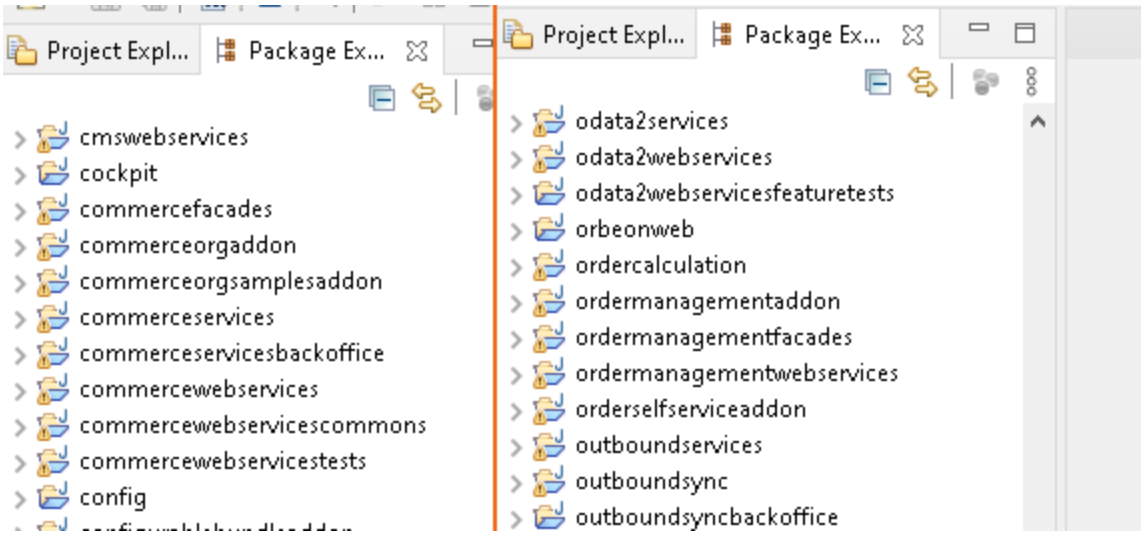
Step 2 = Disable Build Automatically



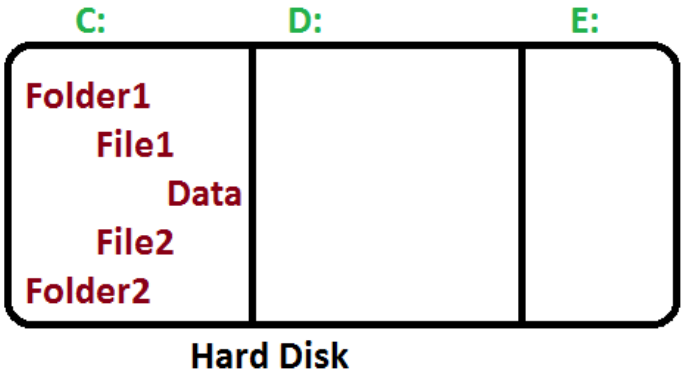
Step 3 = Open Eclipse -- Import the Code

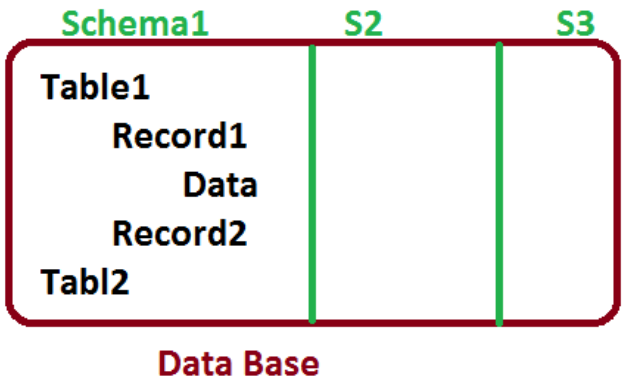


Results – After import



Scenario = What exactly happened during the **INIT**?





1) Removes all the existing data

    a. Standard data / Sample data

    b. Project Specific data

2) Removes all the tables

3) Removes the Schema

4) Recreates the Schema

5) Recreates the tables

6) Recreates the Data --- Only Standard data / Sample data

    Note: - It will not recreate project specific data [Order table data].

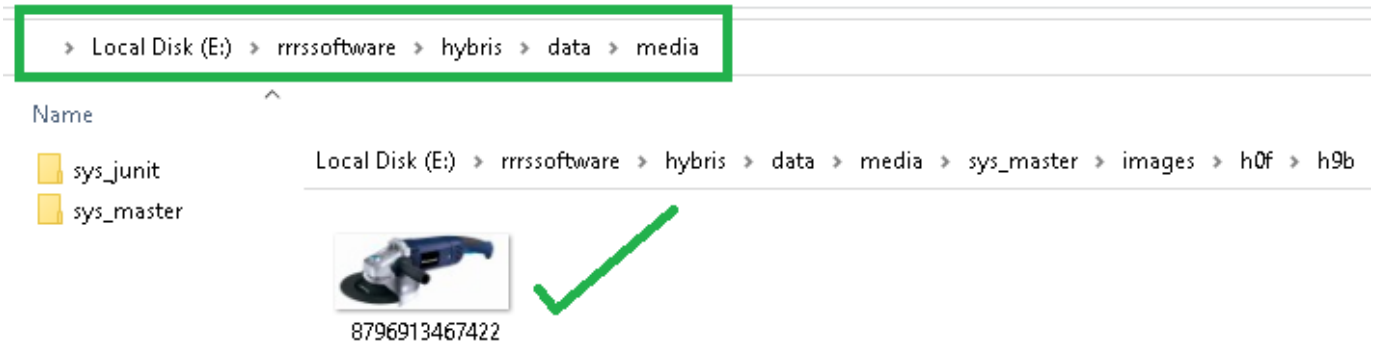
    That's why -- before doing the INIT make sure you take "**Project Specific data" backup**.

7) Suspends all running Cronjobs

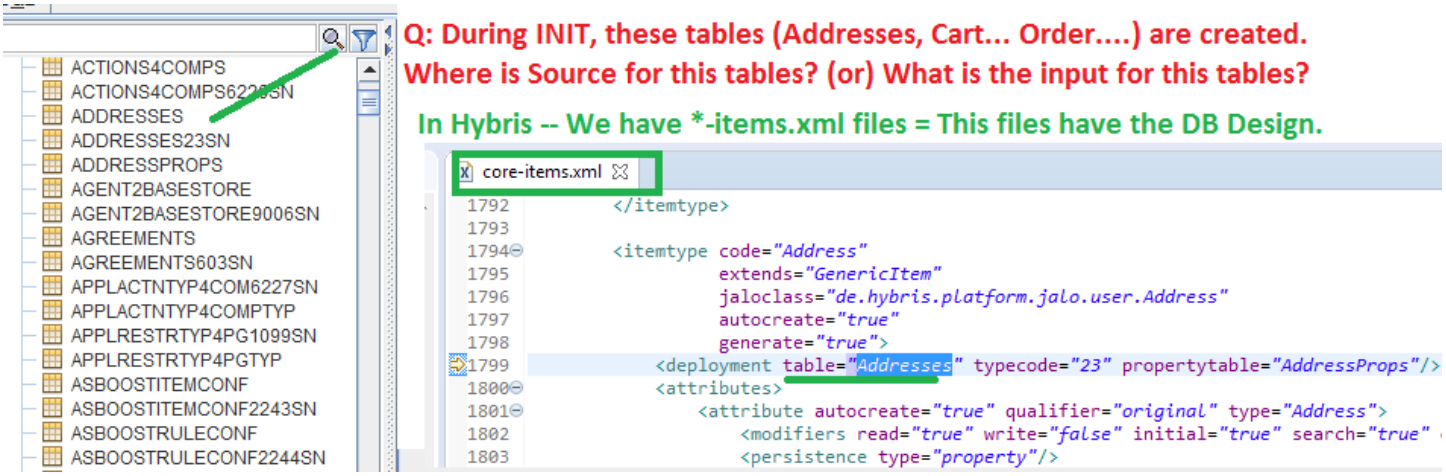
    CronJob = Timer (or) Scheduled program.

8) All the Cache will be cleared

9) Creates the Media folder =



10) Creates the tables based on ***-items.xml** file

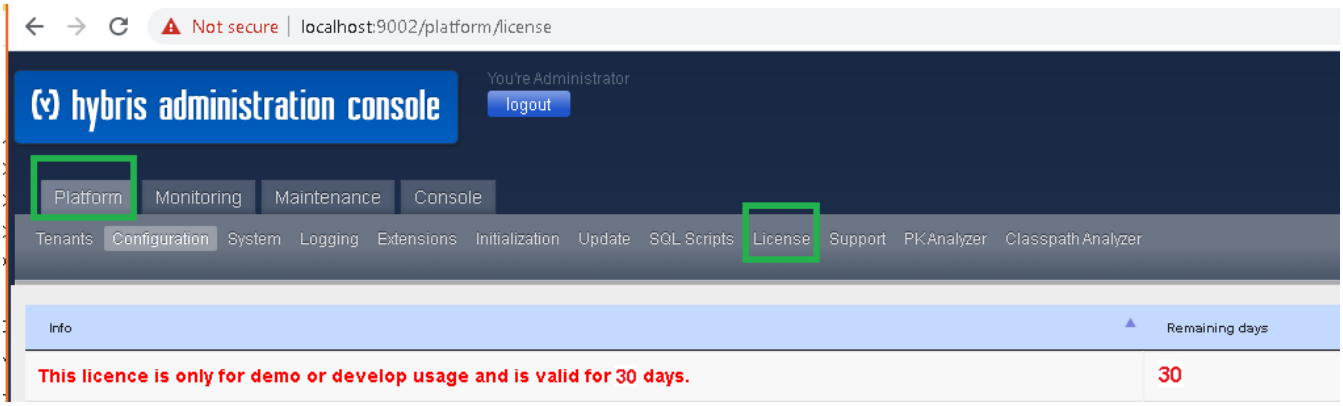


11) Set the Licence

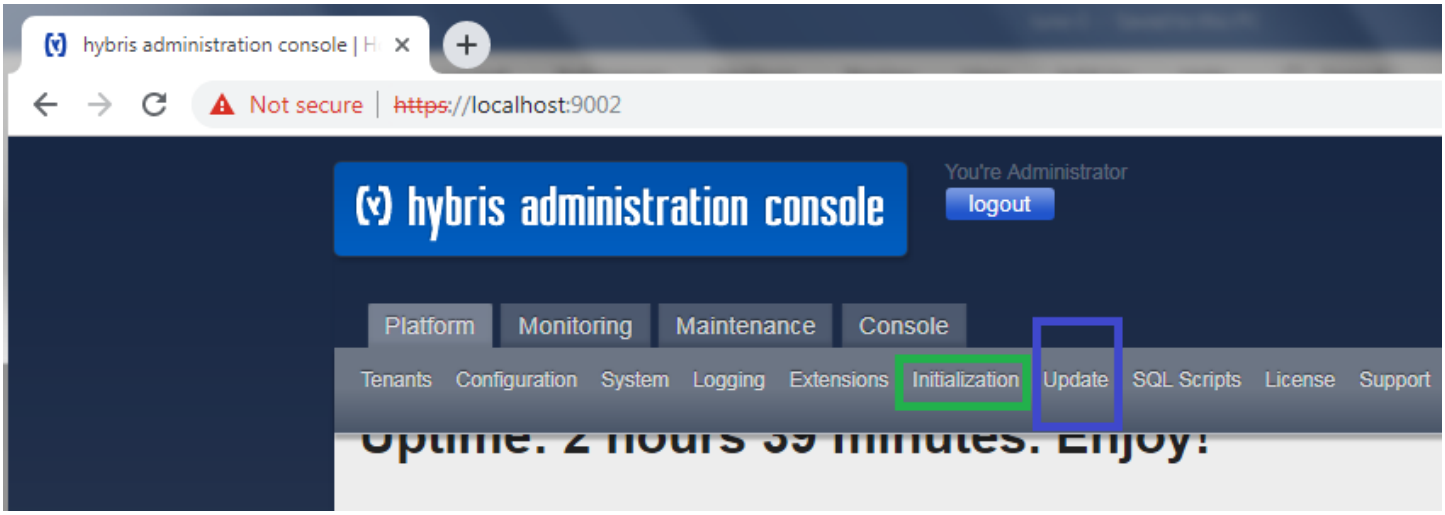
"SAP Comm" Developer LIC = 30 Days.

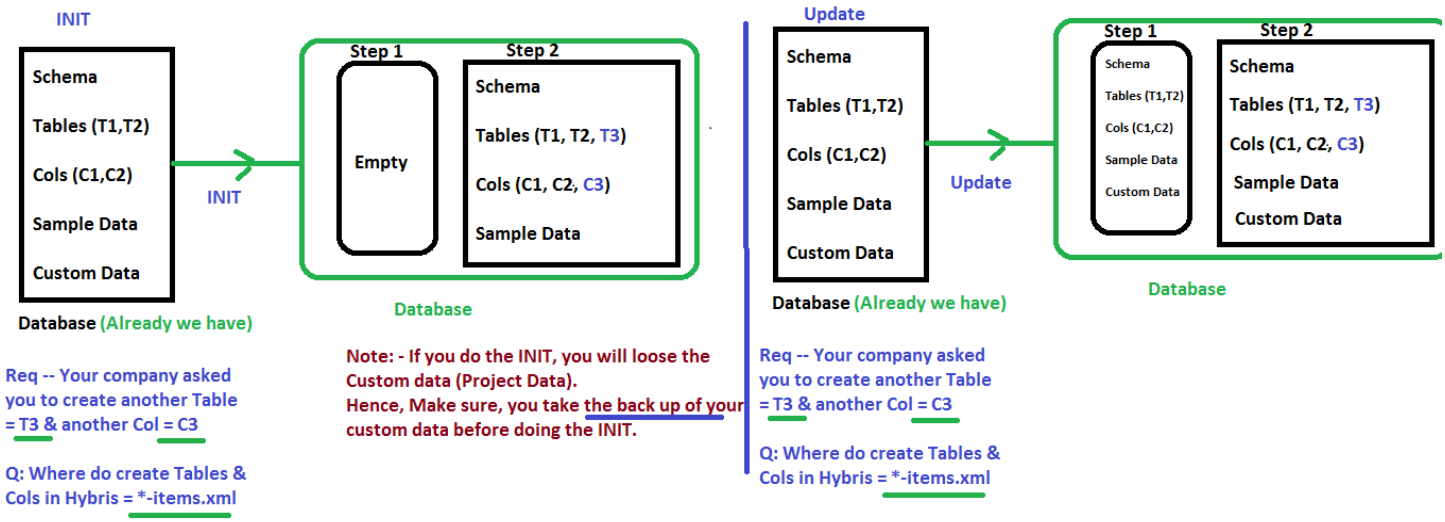
You can also get unlimited LIC.

Q = How to see the LIC information?



Scenario = What is the difference between INIT & Update?



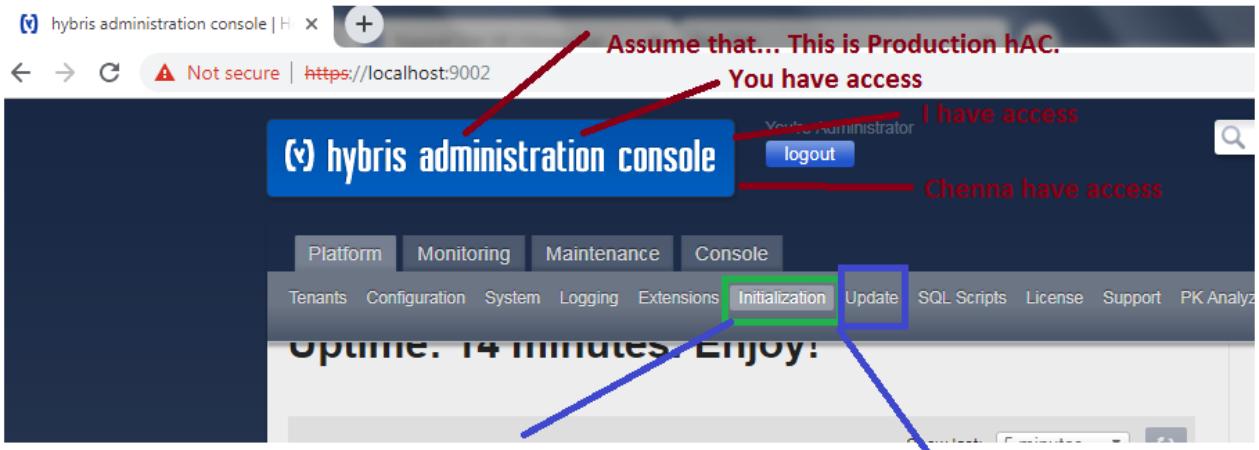


Q = When do I go for INIT & When do I go for Update?

1st time go with **INIT**.

If you feel that your DB is corrupted, then go with **INIT**.

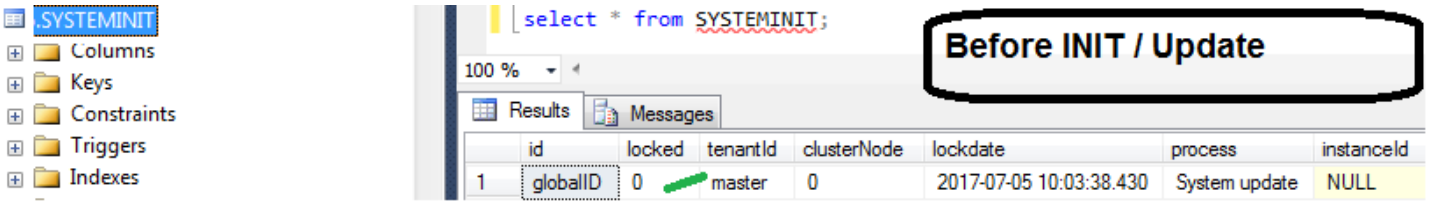
===> Else, Remaining situations (Whenever modified Col / Table / …) then go with **Update**.



I Started INIT @ 10 AM.
Takes ~(1 - 3) Hrs

Can you start INIT again @ 10.3 AM? = No

SAP Comm uses SYSTEMINIT table to control this.
If globalID = 0 then allows INIT.
If globalID = 1 then will not allow INIT.



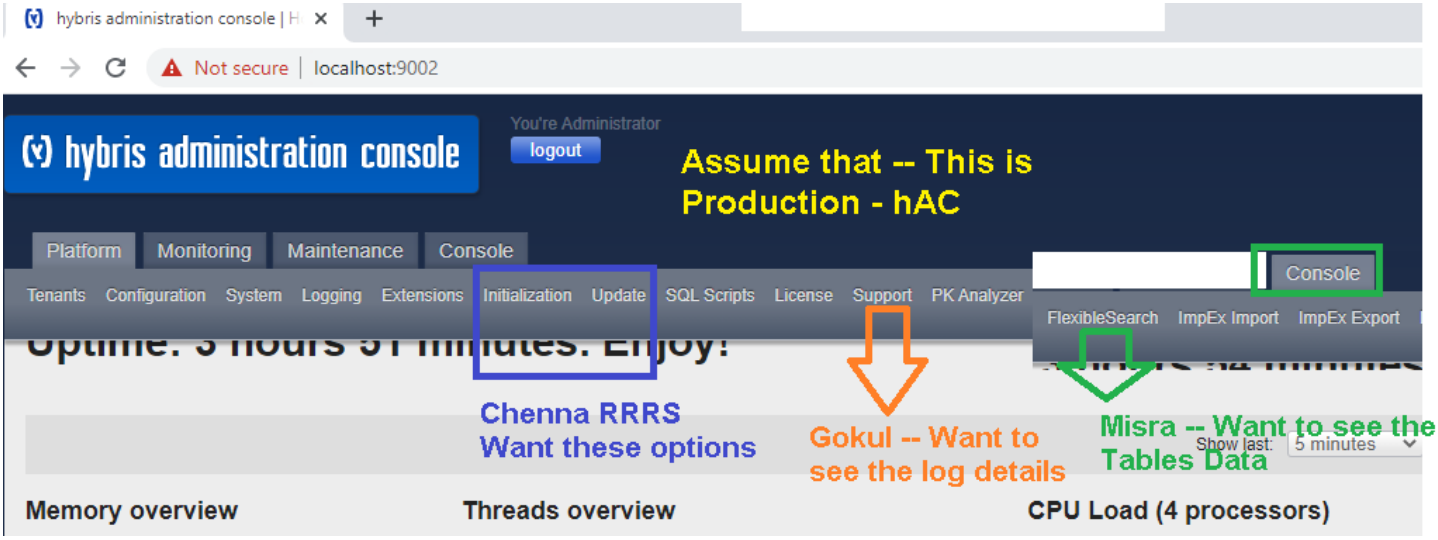
id	locked	tenantId	clusterNode	lockdate	process	instanceId
globalID	1	master	0	20...	System update	...

During Update / INIT

INIT is the costly operation.
It's better to restrict the access to this.

Sol1 = Disable / Lock this option.
== E:\rrrssoftware\hybris\config\local.properties
system.unlocking.disabled=true
Sol2 = Don't show this option.

Scenario = How to hide (or) show the “hAC – Menu” options?



Ans = SAP Commerce - Security-Roles - Configuration

U take any eComm Site – Q = How many types of **Users** will be there?

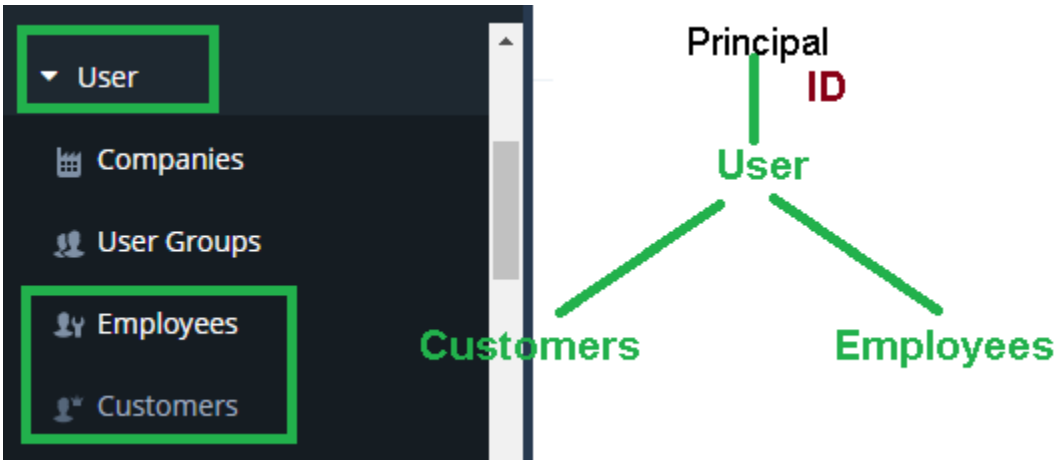
Ans = 2 Types of Users

1) **Customers** = People who uses the eComm Site
    a. Anonymous Customer = People who do not enter any of their information.
    b. Guest Customers = People who provides their unique ID.
        Q = Can we book the ticket in bookmyshow.com without login? = Yes, by providing unique id [email or mobile no].
    c. Login Customers = For login customer in the system “profile / account” will be created.
        Q = Can we book the ticket in **irctc.co.in** without login? = No
2) **Employees** = People who manages the eComm Site
    a. Product Managers
    b. Content Managers

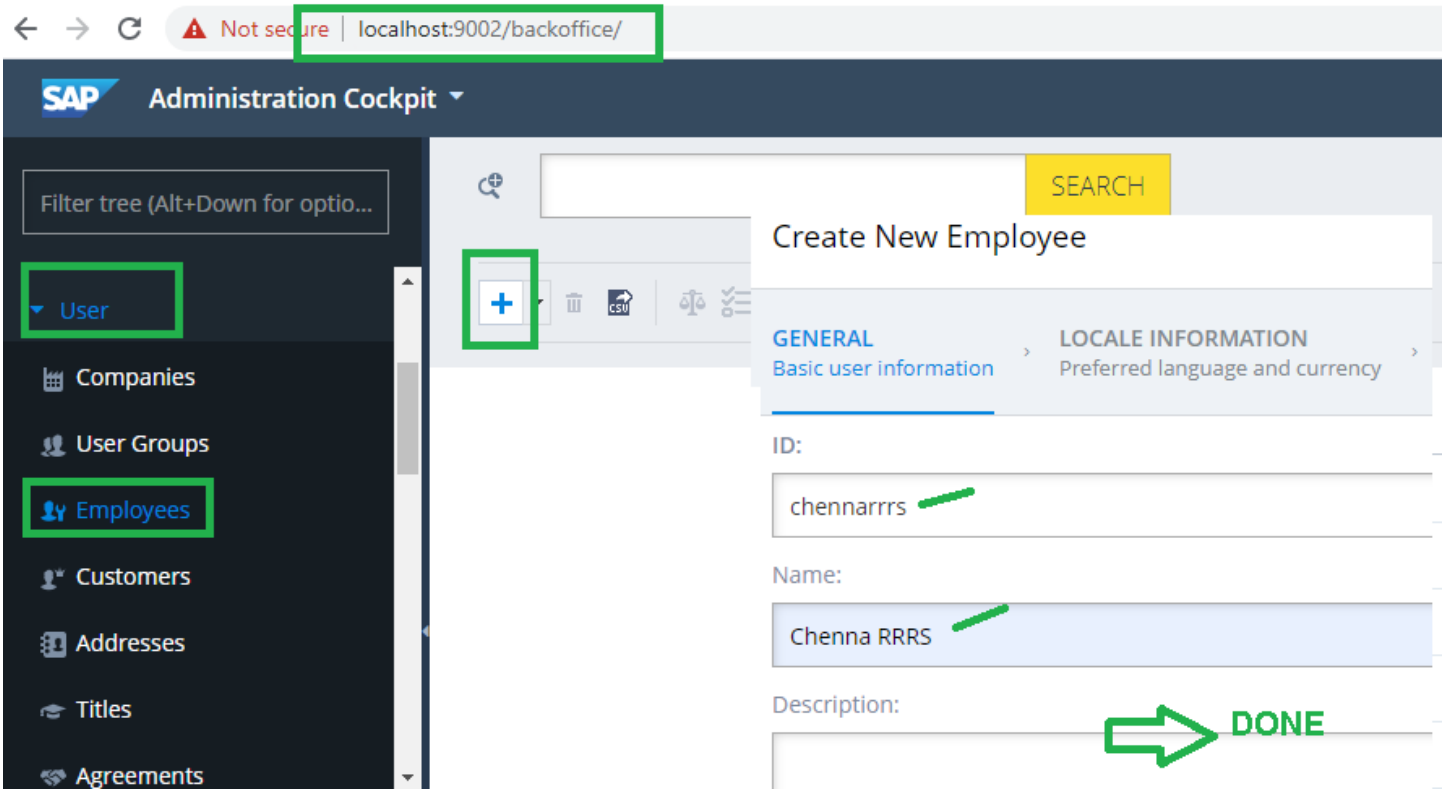
c. Admin

d. CS Agent

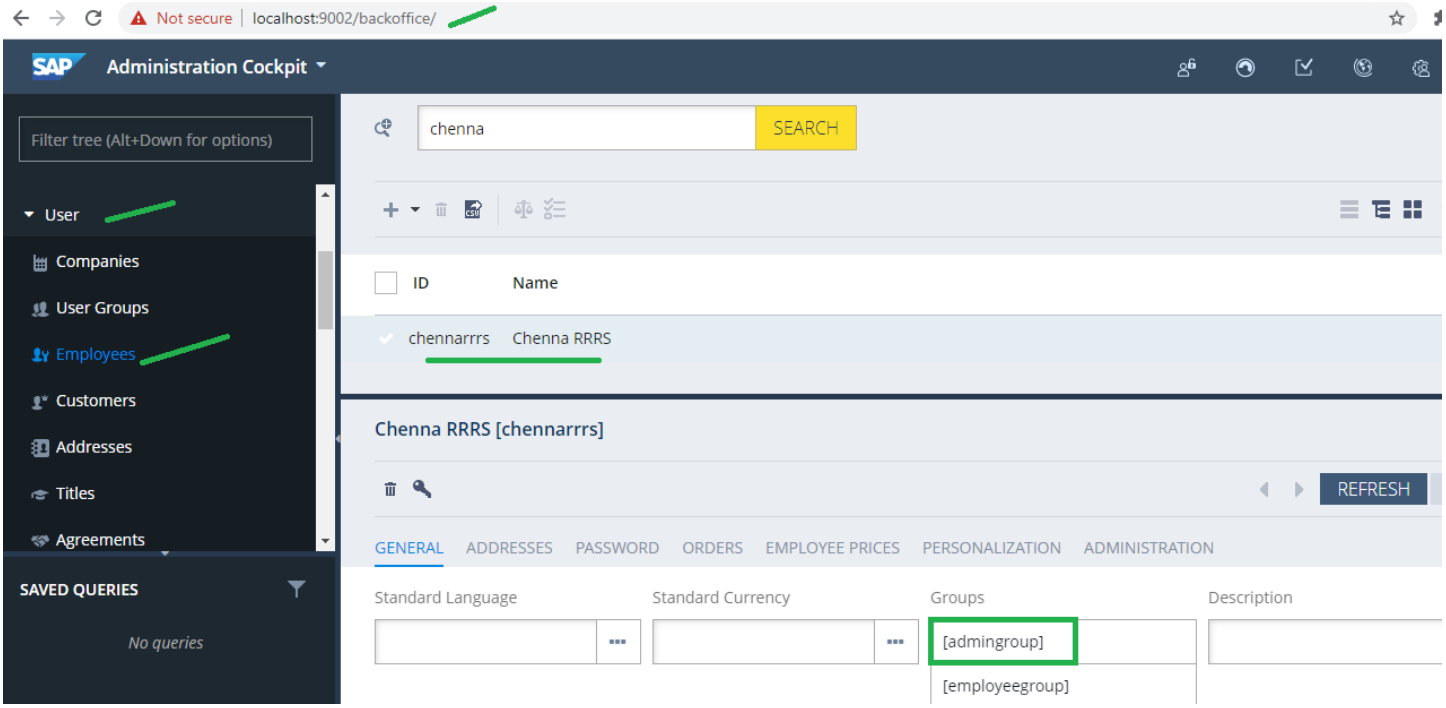
e. =====



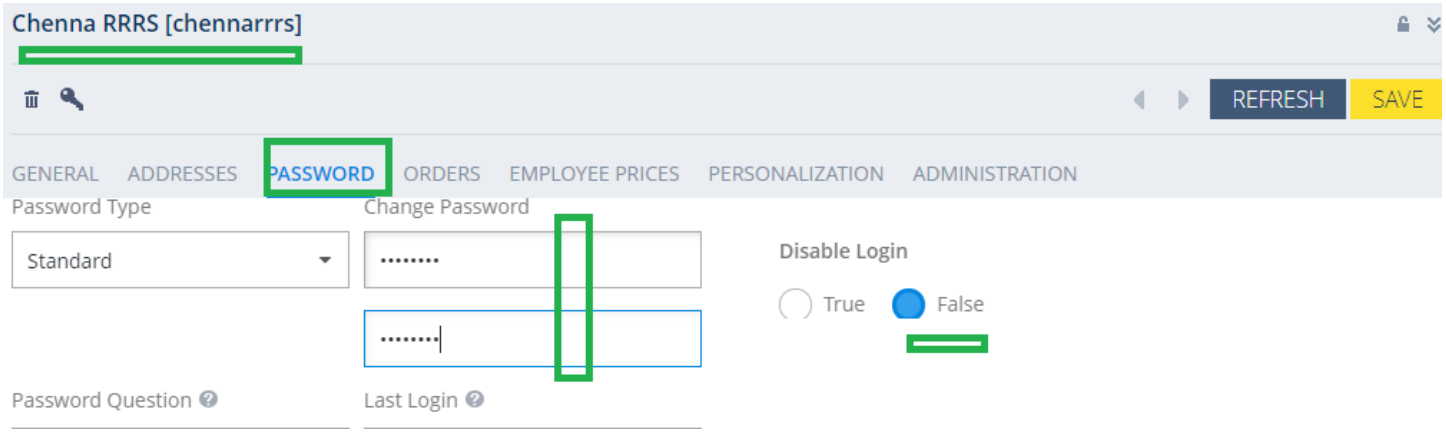
Step 1 = Crate the User = chennarrrs



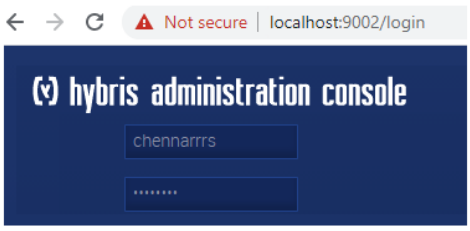
Step 2 = Let's assign "admin" group: -

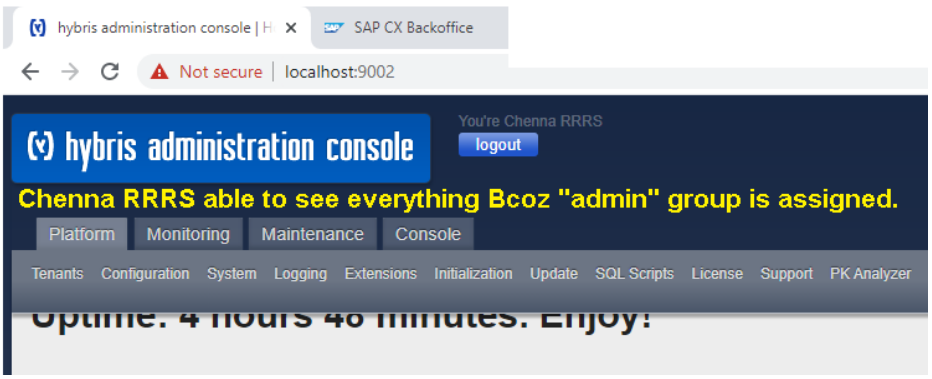


Create the password: -

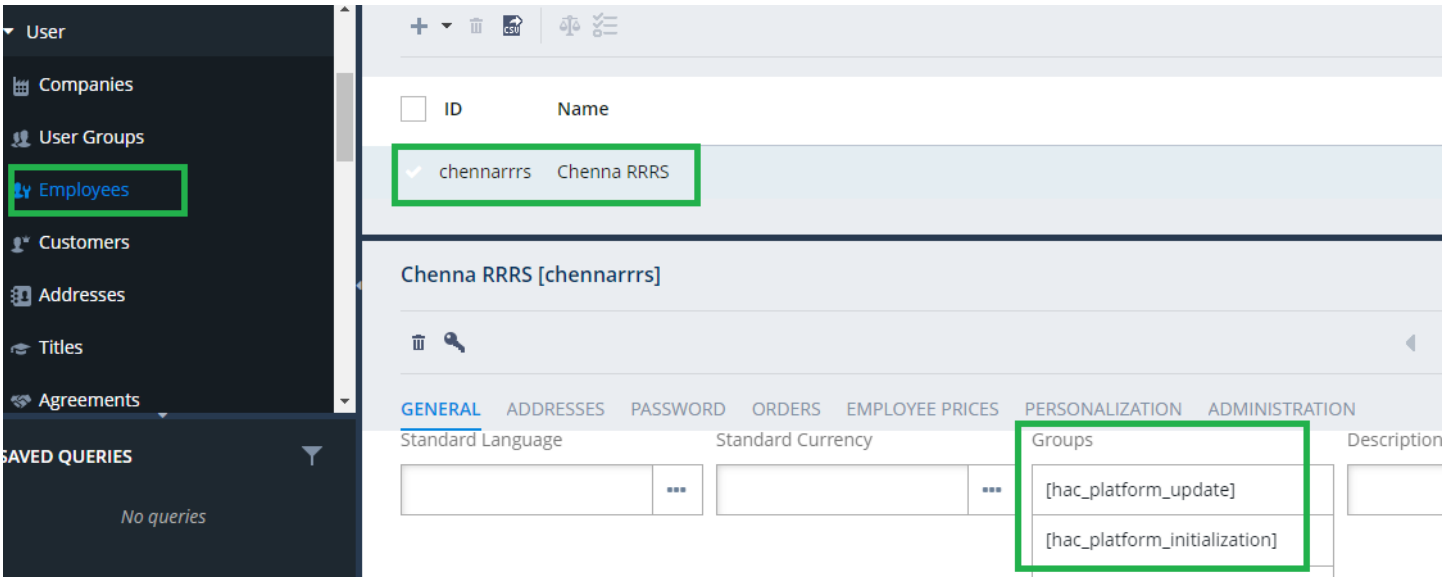


Results =

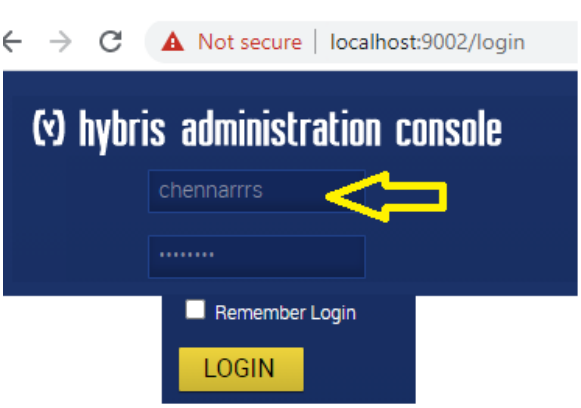


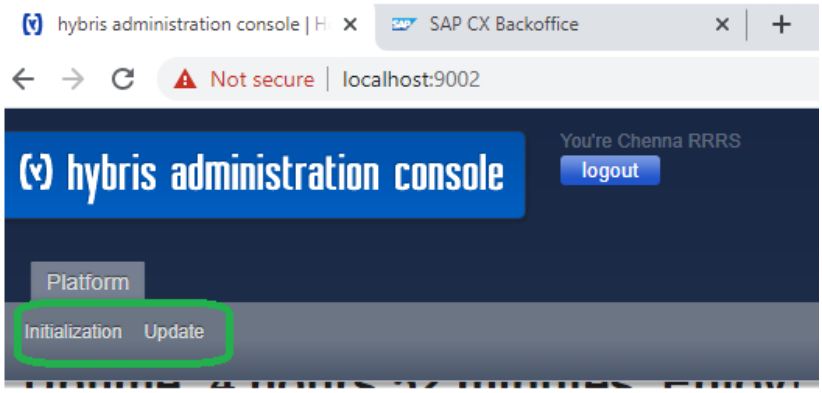


Step 3 = Let's assign only "Platform – Initialization & Update".



Results =





Q = How do we know the "Groups" Info? = spring-security-config.xml