

COURSE PRACTICE MANUAL ENTERPRISE RESOURCE PLANNING – IS336

OVERVIEW OF SAP S4/HANA

Teaching assistant

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AGENDA



- 1. Introduce the content of the practical of the course
- 2. Overview of ERP, SAP and SAP S4/HANA
- 3. Instructions for installing SAP GUI for Windows, MAC OS
- 4. Introduction of the Global Bike Group topic
- 5. Instructions for navigating the S4/HANA software
- 6. Practice and Q&A

INTRODUCTION TO PRACTICAL CONTENT

INTRODUCTION TO PRACTICAL CONTENT



- 1. General requirements
- 2. Introduction to the content of the practice sessions
- 3. Duration and grading ratio
- 4. Requirements for projects
- 5. Report content
- 6. General structure of the report

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OVERVIEW OF ERP, SAP AND SAP S4/HANA

Enterprise Resource Planning - ERP



- ERP stands for "Enterprise Resource Planning," it is an integrated software system used to manage and organize the business activities of an organization or enterprise.
- ERP helps automate and integrate various business processes such as production, finance, accounting, sales, human resources management, and inventory management.

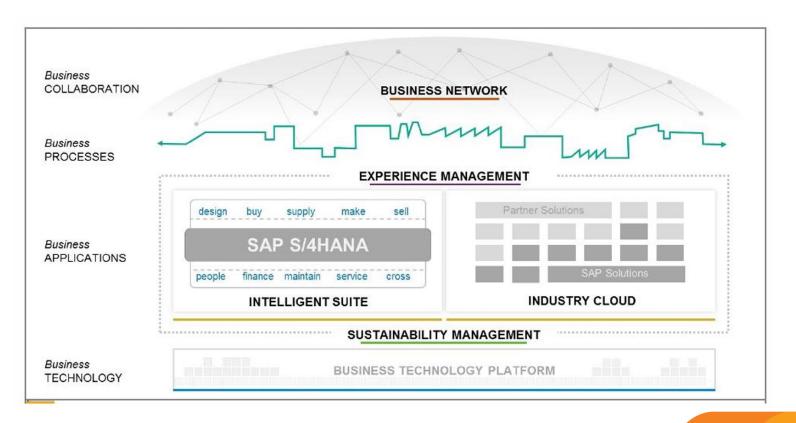
SAP Introduction

About SAP

- Market leader in enterprise application software.
- One of the world largest independent software manufacturer.
- 400,000 satisfied Customers in 190 countries.
- SAP enables companies to:
 - ✓ Streamline processes.
 - ✓ Use live data.
 - ✓ Predict customer trends.
 - ✓ Connect entire businesses.

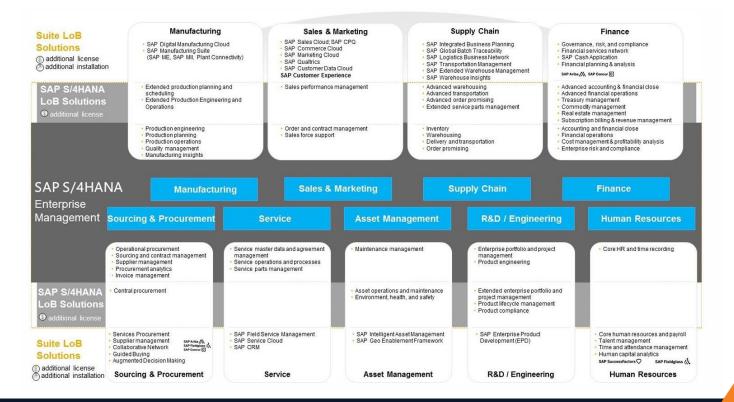
SAP Introduction

SAP Provides Solution For Intelligent Enterprise



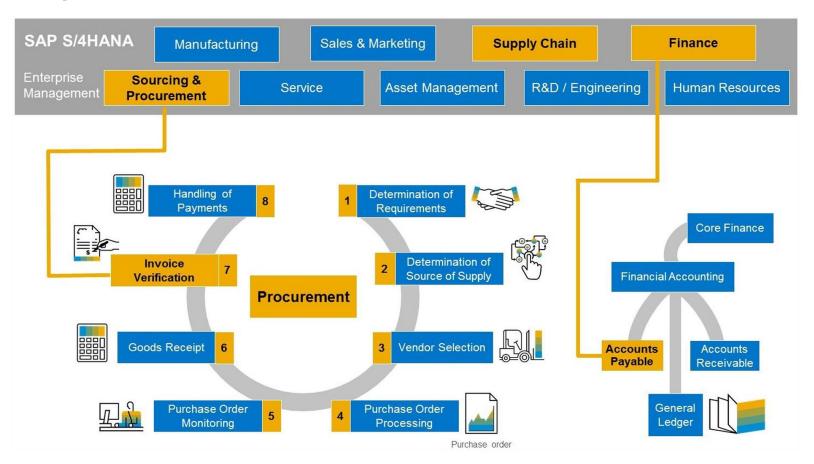
SAP S4/HANA

 S4/HANA is next generation ERP business suite for intelligent enterprises with many innovation since SAP ECC version to adapt new technologies



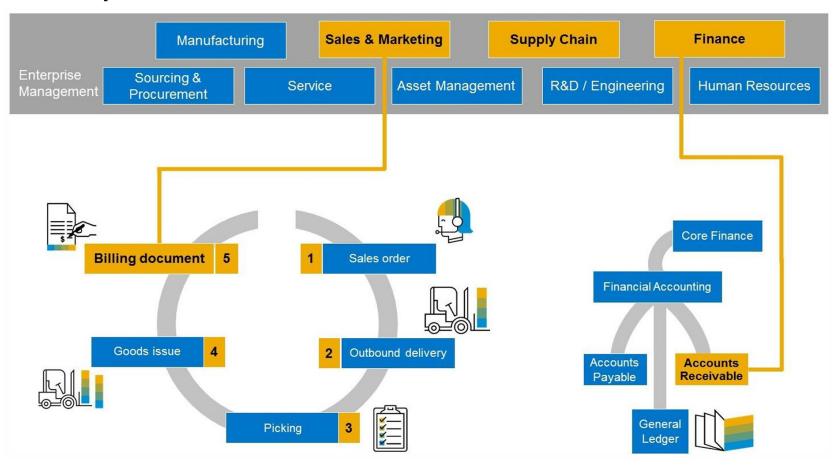
Core End to End (E2E) processes in S4/HANA

Procurement to Pay



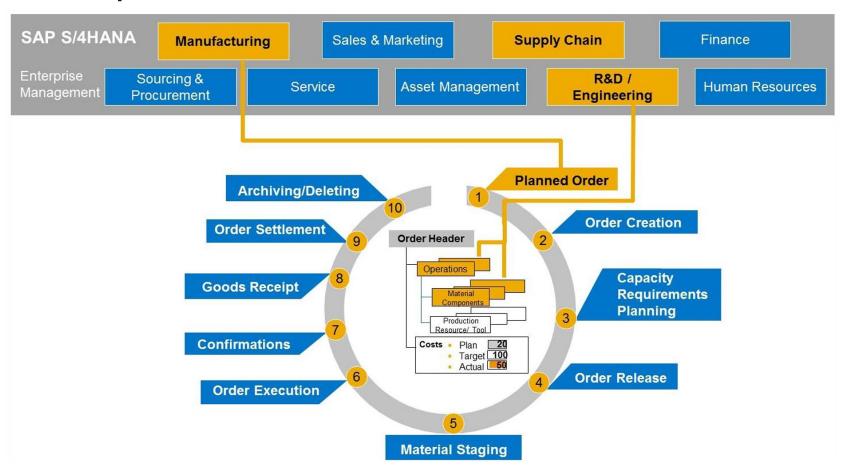
Core End to End (E2E) processes in \$4/HANA

Order to Cash



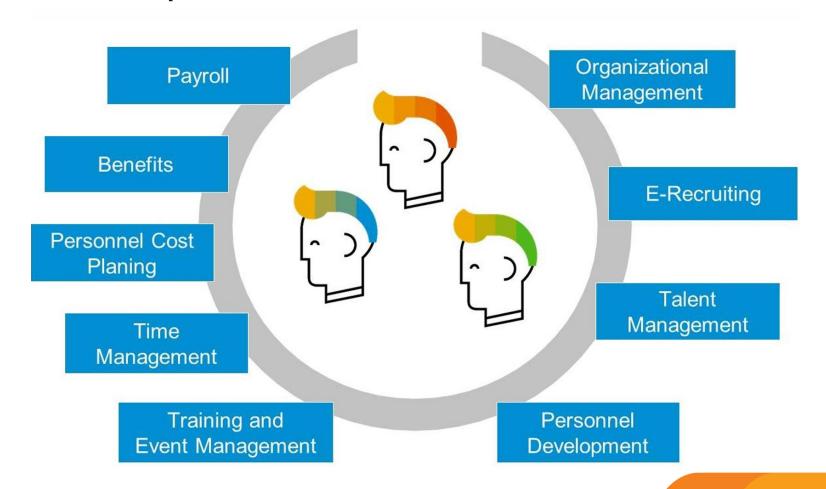
Core End to End (E2E) processes in S4/HANA

Plan to Produce



Core End to End (E2E) processes in S4/HANA

Hire to Retire



3

INSTRUCTIONS FOR INSTALLING SAP GUI FOR WINDOWS AND MAC OS

INSTRUCTIONS FOR INSTALLING SAP GUI



- 1. Install SAP GUI 7.50 for Windows
- 2. Install SAP GUI 7.70 for MAC

AGENDA



GLOBAL BIKE GROUP TOPIC

GLOBAL BIKE GROUP TOPIC

Background

- Global concern using full ERP capabilities
- Consists of two companies located in the US and in Germany

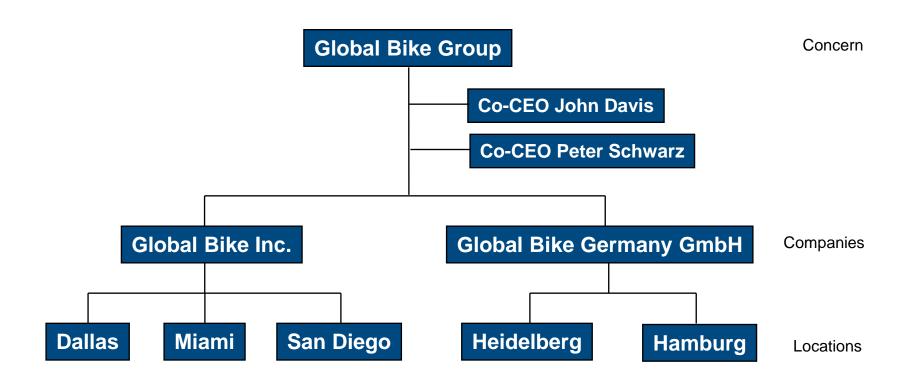


History

- John Davis won numerous mountain bike championships in the US
 - > In 1990 started his own mountain bike company (Frankenstein Bikes)
- Peter Schwarz grew up with road bikes in the Black Forest, Germany
 - > As a student, he engineered ultra-light composite frames
 - > In 1993 started his own bike frame company (Heidelberg Composites)
- The two of them met in 2000. In 2001 Frankenstein Bikes and Heidelberg Composites merged to form Global Bike Inc.

GLOBAL BIKE GROUP TOPIC

Organizational Structure (Overview)



GLOBAL BIKE GROUP TOPIC

Business Processes

Sell – Fulfillment

- Buy Procurement
- Make Production

- Track Financial Accounting
- Track Controlling

- People Human Capital Management
- Store Inventory and Warehouse Management
- Maintain Enterprise Asset Management
- Service Customer Service
- Project Project Management

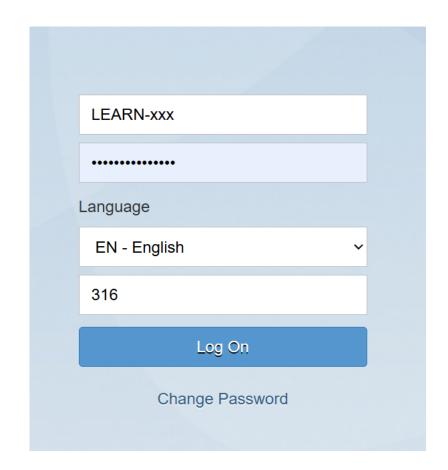
AGENDA

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NAVIGATION IN SAP S/4HANA

Step 1: Log on to SAP S/4HANA

- Open a web browser and use the link https://s35.gb.ucc.cit.tum.de/sap/bc/ui2/fl
 p to log on to your SAP S/4HANA.
- On the logon screen, select your username, your password, the client (316), and the language English. Then click Log On.

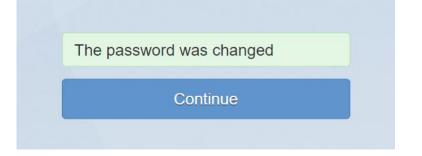


Step 1: Log on to SAP S/4HANA

- After logging in for the first time, you will be asked to change the password.
- Select a password of your choice, confirm it, and then click Change Password.

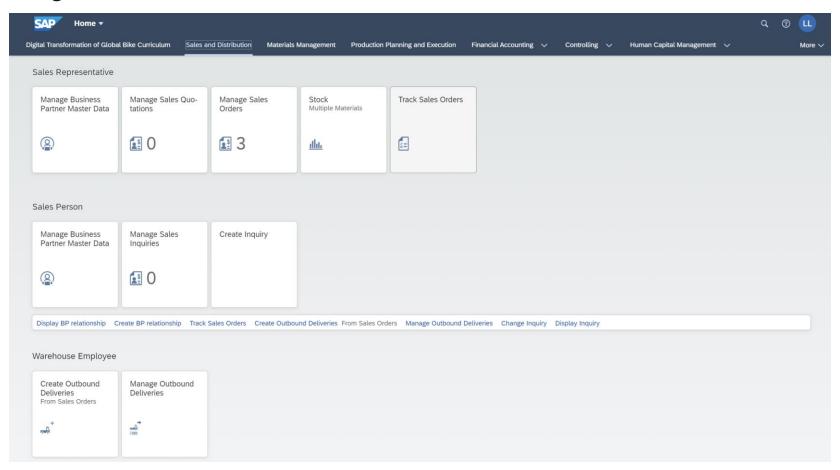
This is an initial password that must be changed
User
LEARN-001
Current Password
New Password
Repeat Password
Change Password

Step 1: Log on to SAP S/4HANA



Click Continue to confirm the password change. This takes you to the SAP S/4HANA home page, which is called the SAP Fiori launchpad. The launchpad shows all available SAP Fiori apps and is the starting point for all actions. The SAP Fiori apps are displayed as square tiles and are grouped into the business processes of a company. In addition, the launchpad has a search function for general search queries or to find other SAP Fiori apps.

Step 1: Log on to SAP S/4HANA



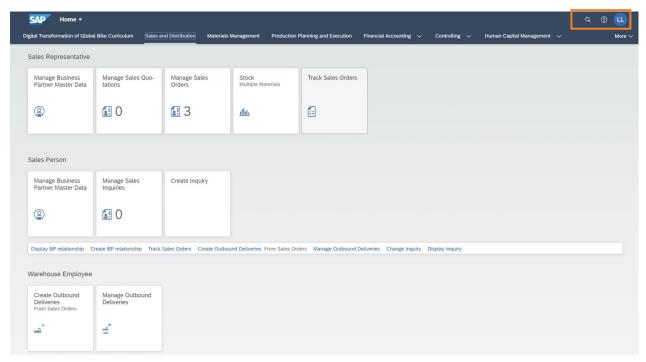
Step 2: Organization and Structure of the Launchpad

On the SAP Fiori launchpad, there is a search function at the top, as well

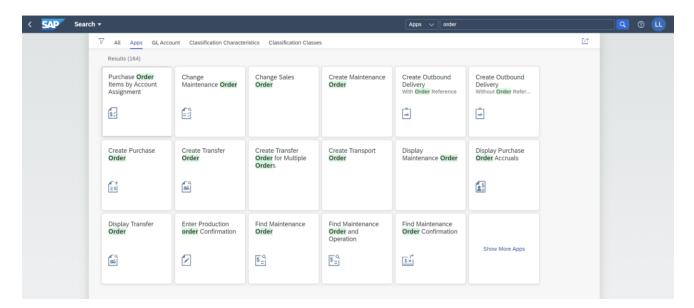
as the profile button ...



The search function allows you to find specific SAP Fiori apps. As a result of this function, transaction codes (t-code) are longer required in SAP S/4HANA.



- Step 2: Organization and Structure of the Launchpad
 - In the search window, enter Order* and press Enter. The * is a wildcard (a placeholder for other characters).

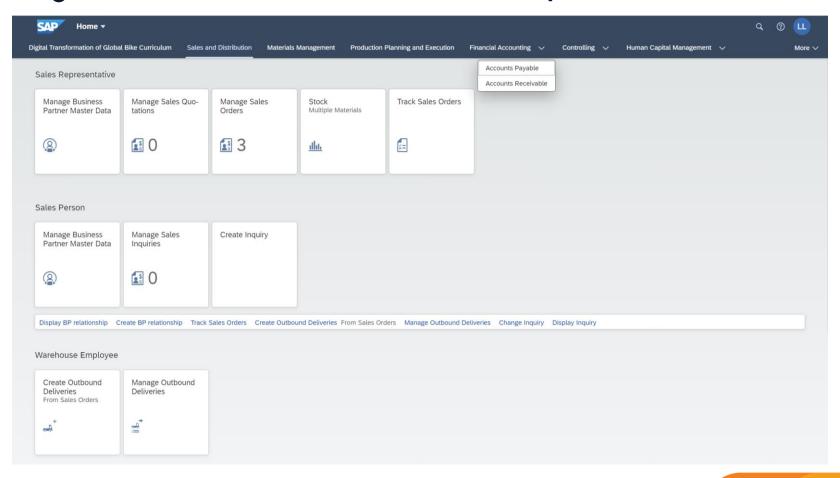


Click the Home button
 SAP Launchpad.

Step 2: Organization and Structure of the Launchpad

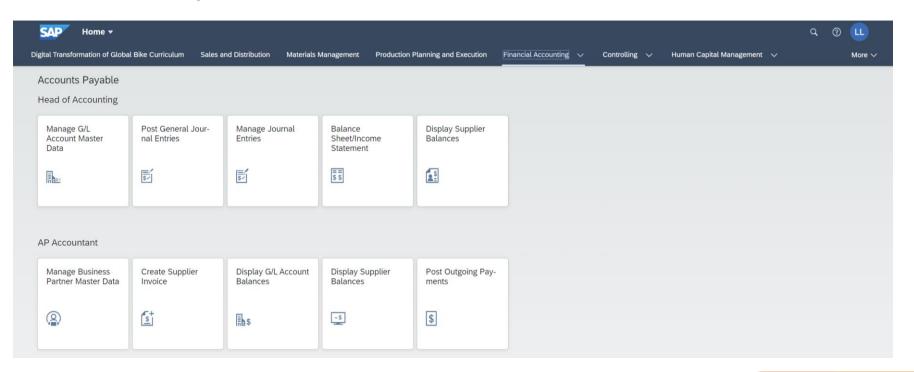
- All SAP Fiori apps are arranged in square tiles. Some of these tiles have a display function that, without having to open the app first, displays a preview of the content of the business process.
- All SAP Fiori apps are organized in spaces. The spaces are divided into pages and each page has one or more roles below which the apps are shown. To see an overview of all spaces, you can click ✓ in the upper right area. In your view, there are only as many spaces as you need to complete the exercises and case studies. The number of spaces, pages, and roles available to you may therefore differ from this example.

Step 2: Organization and Structure of the Launchpad

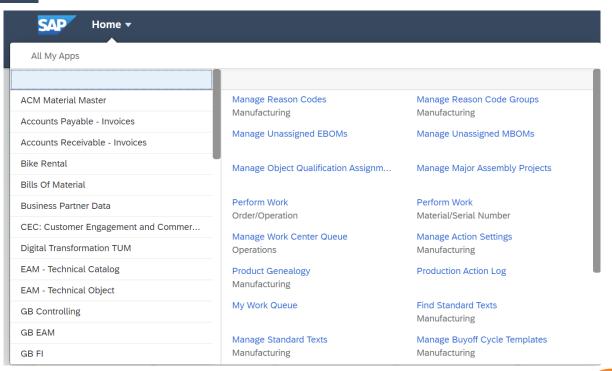


Step 2: Organization and Structure of the Launchpad

 One space of Fiori apps is the Financial Accounting space. There you can, for example, Manage Journal Entries or Display Supplier Balances.

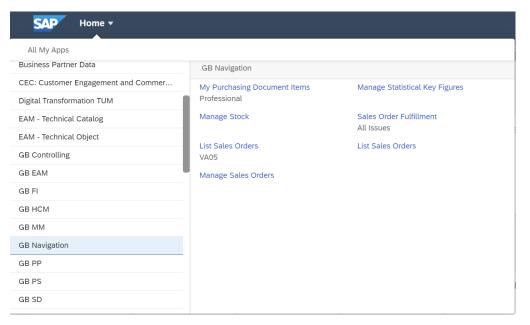


- Step 2: Organization and Structure of the Launchpad
- Another way to navigate is the dropdown menu at the top of the launchpad
- Click at Home ▼ the top of your launchpad.



Step 2: Organization and Structure of the Launchpad

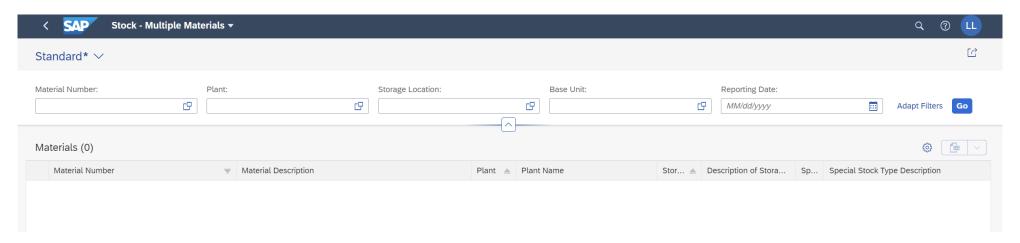
 On the left, you see all spaces of your launchpad. On the right are all apps of the selected space.



 To close the dialog box again, click either on the start page or outside the dialog box.

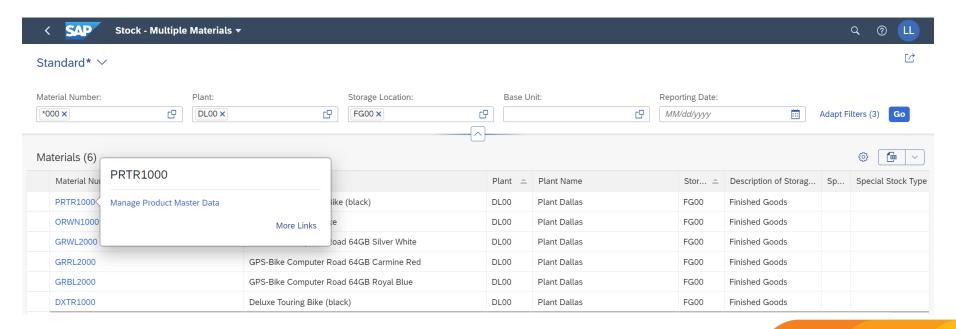
Step 2: Organization and Structure of the Launchpad

• Fiori apps allow you to navigate from app to app. Choose the app **Stock** within **Sales and Distribution** space.



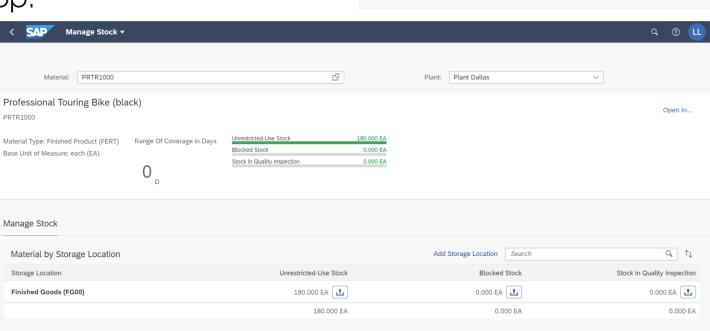
Step 2: Organization and Structure of the Launchpad

- Enter *### as the material number (replace ### with the last three digits of your user), DL00 as the plant, and FG00 as the storage location. Then press
- Now click on the material number of the first entry.



Step 2: Organization and Structure of the Launchpad

- In the window that appears, click More link
- In the link list, click on the entry Manage Stock to go to the related app.
- Click the Home button < SAP to return to the SAP Fiori launchpad.
- Click to open
 your profile.



Define Link List

Manage Stock

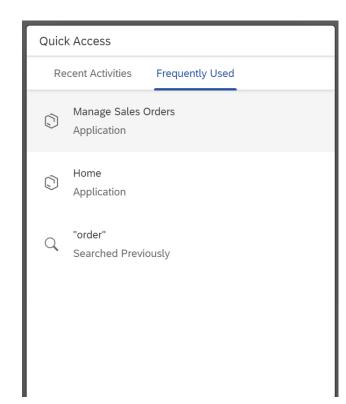
Select All (2/37)

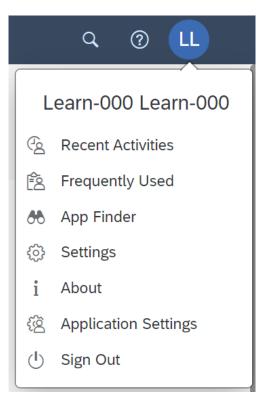
Manage Stock

×

Step 2: Organization and Structure of the Launchpad

- Click u to open your profile.
- Under the entry Recent Activities, you can see the apps that you accessed most recently. Click the Frequently Used tab. You will see the dialog shown below, but the listed apps may differ.





- Click Close to return to the Fiori Launchpad.
- Stay in the SAP Fiori launchpad for the next task.

Step 3: Three Types of Fiori Apps on the Launchpad

- The SAP Fiori app system consists of three different types: transaction apps, analytical apps, and fact sheet apps. In addition, some transactions are displayed in WebGUIs.
- The three types are presented below using examples. You can find the respective apps in one of the spaces or by using the search function

Step 3: Three Types of Fiori Apps on the Launchpad - Transactional apps

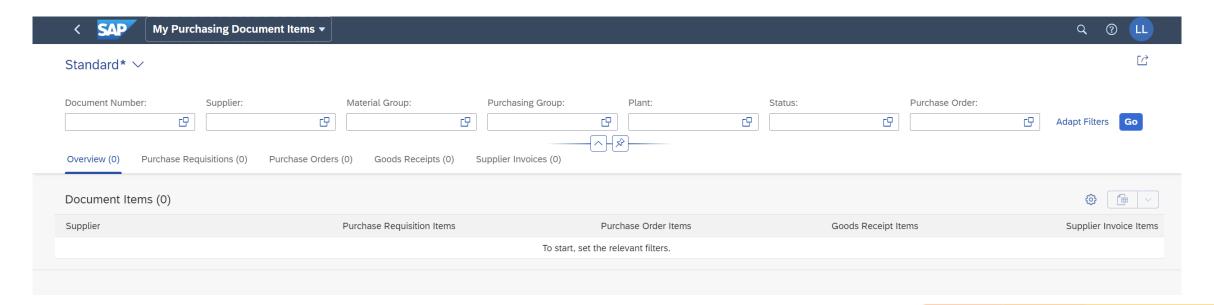
- Transactional apps: are all apps that can be used to execute transactions of a company or manage entire business processes. These include transactions between managing directors and employees, such as vacation approvals and new hires, as well as order confirmations. With transactional apps, you can also handle simple SAP transactions on a mobile device.
- An example of a transactional app is My Purchasing
 Document Items in the space Materials Management.

My Purchasing Document Items Professional



Step 3: Three Types of Fiori Apps on the Launchpad - Transactional apps

With this app, you can quickly search within a large amount of data that is in your area of responsibility. When searching, the app allows you to set various filters to simplify or narrow down the search.

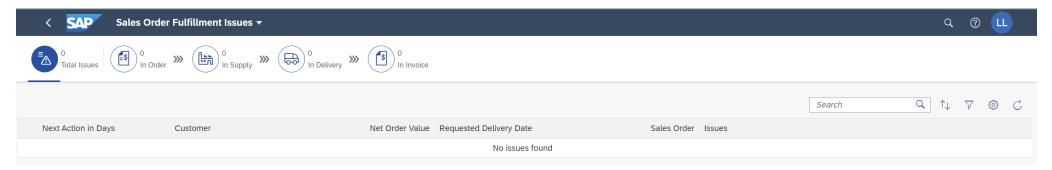


Step 3: Three Types of Fiori Apps on the Launchpad - Analytical apps

- Analytical apps: are used for real-time data analysis of business processes and their presentation. With these apps, you can evaluate visual overviews and data. In addition, complex calculations and a quick response to changes in the market are possible.
- Analytical apps combine the capabilities of SAP HANA and the SAP Business
 Suite and are divided into two types: Smart Business and Virtual Data Models.
 - > SAP Fiori Smart Business apps represent the key performance indicators (KPIs) in real time and adapt flexibly to changes in the market.
 - Virtual Data Models prepare the large mass of data without the need for additional software.

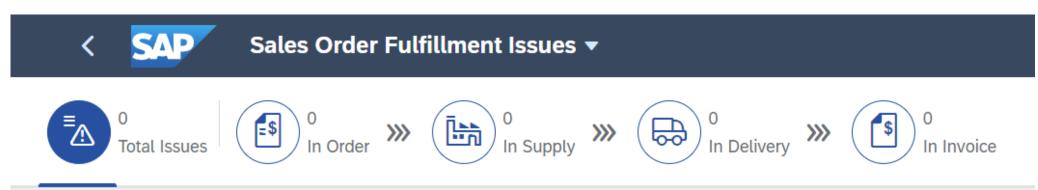
- Step 3: Three Types of Fiori Apps on the Launchpad Analytical apps
- An example of an analytical app is the Sales Order
 Fulfillment All Issues app, which you can find using the search function.
- It provides an overview of all open sales orders in the system.





Step 3: Three Types of Fiori Apps on the Launchpad - Analytical apps

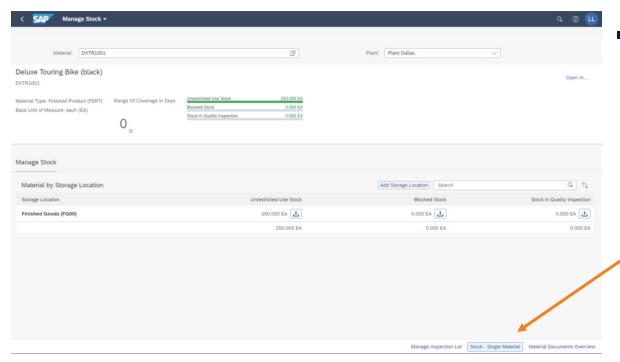
- As you can see, there are currently no open sales orders. The overview makes it easy to see which status the different sales orders can have. You would select all orders with the status **In Order** by clicking of the overview makes it easy to see which status in Order by clicking of the overview makes it easy to see which status in Order by clicking of the overview makes it easy to see which status in Order by clicking of the overview makes it easy to see which status in Order by clicking of the overview makes it easy to see which status in Order by clicking of the overview makes it easy to see which status in Order by clicking of the overview makes it easy to see which status in Order by clicking of the overview makes it easy to see which status in Order by clicking of the overview makes it easy to see which status in Order by clicking of the overview makes it easy to see which status in Order by clicking of the overview makes it easy to see which status in Order by clicking of the overview makes it easy to see which status in Order by clicking of the overview makes it easy to see which status in Order by clicking of the overview makes it easy to see which status in Order by clicking of the overview makes it easy to see which see which see which see which see which it is overview makes in Order by clicking of the overview makes it easy to see which see which it is overview makes in order by the overview makes in order by the overview makes it easy to see which it is overview makes in order by the overview makes in order by t
- Note that you may see more sales orders. This depends on whether other case studies have already been processed.



- Step 3: Three Types of Fiori Apps on the Launchpad Analytical apps
 - Another example of analytical apps in the space of Materials Management in the role Goods Receipt Clerk is the Manage Stock app.

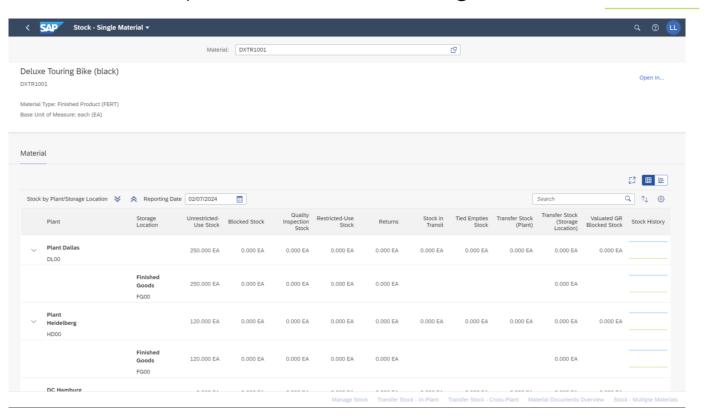


- Step 3: Three Types of Fiori Apps on the Launchpad Analytical apps
- For material, enter DXTR1### (replace ### with the last three digits of your user, for example 001) and ensure that it is selected for plant Dallas DL00.



 Click Stock - Single Material on the lower part of the screen.

- Step 3: Three Types of Fiori Apps on the Launchpad Analytical apps
 - To view the stock history, click the blue and green lines
 below Stock History

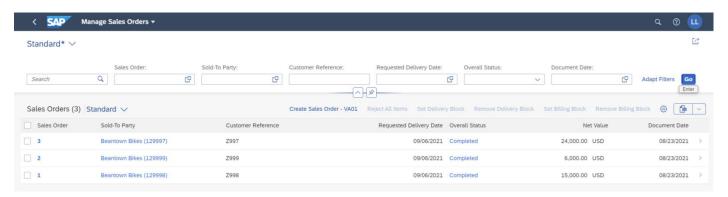


Step 3: Three Types of Fiori Apps on the Launchpad - Fact sheet apps

Fact sheet apps provide key information and facts about key business objectives. In doing so, they make it possible to call up specific company processes in detail and obtain key information. You can also connect to other fact sheet apps and also switch to transaction apps.

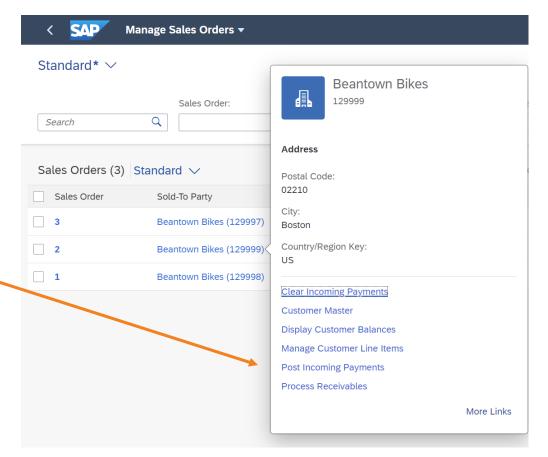


Click on the Manage
 Sales Orders app. In the
 Manage Sales Orders
 window, choose Go



Step 3: Three Types of Fiori Apps on the Launchpad - Fact sheet apps

- Click on the Buyer Beantown Bikes (129999)
- You can see information about the customer and navigate to other apps. For example, you can click on the link Post Incoming Payments



Step 3: Three Types of Fiori Apps on the Launchpad

The three apps listed above are divided into dynamic and static apps.

Dynamic Apps

• In the space of Sales and Distribution, the Manage Sales Orders app is a dynamic app. Currently, Global Bike has 3 different sales orders. When you create a new sales order, the number increases to 4.



Step 3: Three Types of Fiori Apps on the Launchpad

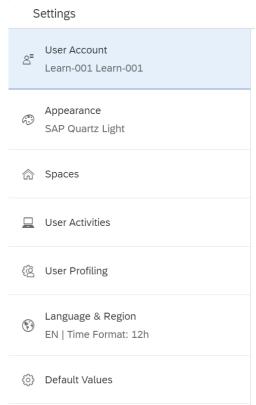
Static Apps

The List Sales Orders app is a static app. You can use this app to display all sales orders. However, after the search in the launchpad, you do not see in the tile how many sales orders there are currently at Global Bike.

List Sales Orders

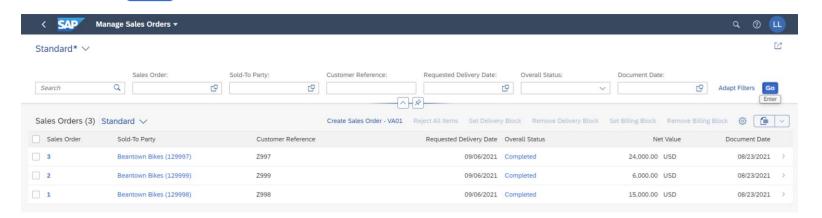
Step 4: Make Settings

- Click to show the settings. The following view appears.
- Click on settings. The following view appears. Here you can change settings such as language, date format, and default values.



Step 5: Export Data to Excel

- You have the option to export data to external applications. Most SAP Fiori apps allow the information to be exported to Microsoft Excel.
- To do so, open the Manage Sales Orders app in the Sales and Distribution space.
- Click Go to display the sales orders.



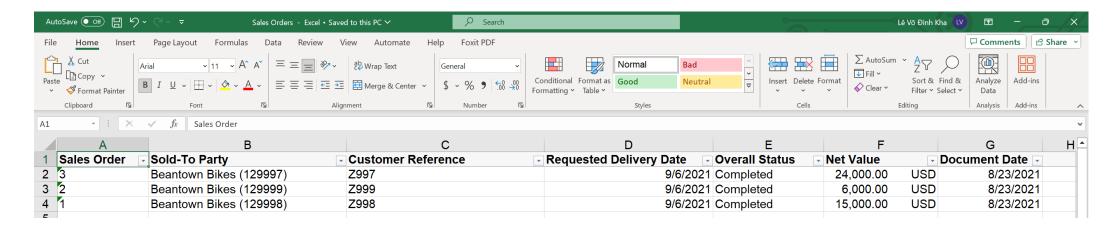


Step 5: Export Data to Excel

Now download the data using the (Export to Spreadsheet) button

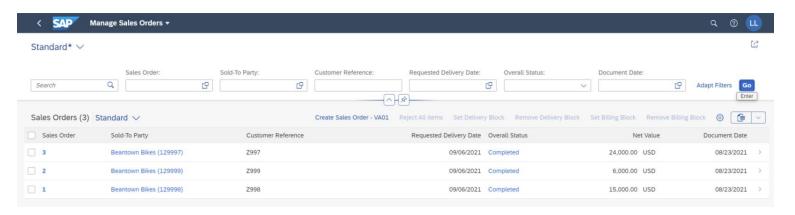


The system automatically creates and downloads an Excel table. The Excel is displayed either in your download folder or directly in the browser.



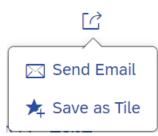
Step 6: Sending Emails

- In the Sales and Distribution space, open the Manage Sales Orders app.
- Click Go without entering any value.



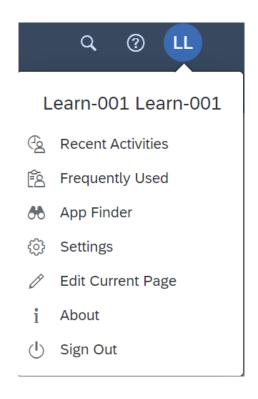


- Click the button in the upper right corner.
- Click Send Email. If you have installed an e-mail program, a new window opens automatically. The most important information and the link are stored there.



Step 7: Log off from SAP S/4HANA

To successfully log off from SAP S/4HANA, you need to click in the upper right corner.



Then choose Sign Out.



Confirm the subsequent warning with OK. Once you have logged off, you see the logon screen for SAP S/4HANA again.

REFERENCES

SAP ACC Support Centre



QUESTIONS & ANSWERS



Contact help

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