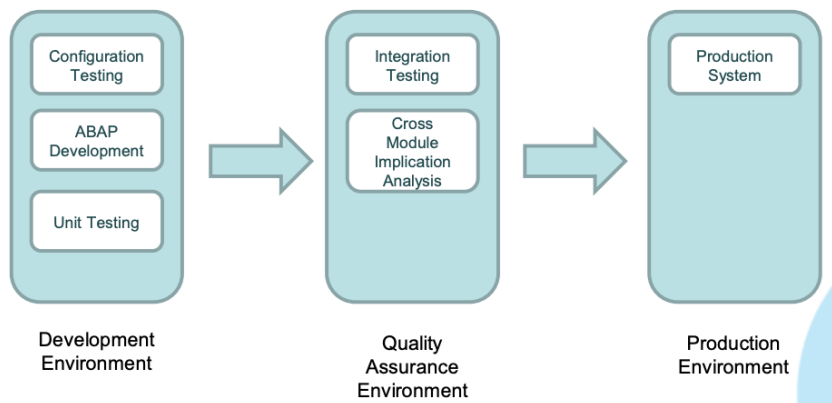


## Unit 2: SAP Navigation

### Environments

Classic three-layer landscape in SAP.



New developments take place at “**Development** Client where a “Unit” test takes place to ensure no syntax mistakes on the programs, etc..... Once validated, they are moved to the **QA** Systems to do a deeper test. This movement is called “**Transport**” in SAP Naming convention. After they are transported to **Production**.

Depending on the project or the company’s requirements, different roles for systems can be set up to use them for those different purposes (development, quality, production, training...). Main ones are:

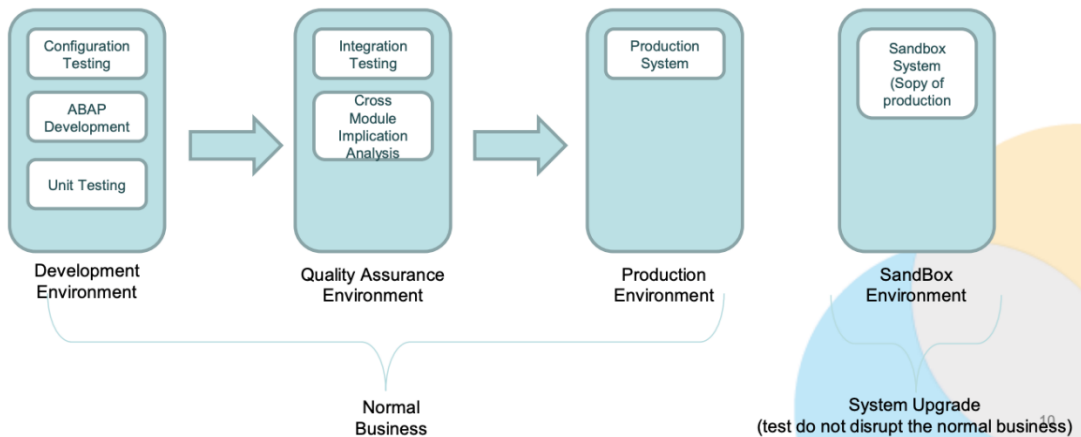
- **Development Box:** any configuration (new or modification to existing one) is done in this system. Once it is done and validated by performing unit test, this can be moved (Transport in SAP naming convention) to a quality environment.
- **Quality Box:** Process testing, and data testing can be done in this environment (provided data is maintained in a regular basis or existing data for testing purposes is in it).
- **Production Box:** this is the **most important Box**, as all day to day runs on it from a business point of view. Production Client is used in all businesses to perform their daily job functions. Configuration is moved to this client after testing and finalization in different boxes.
- **Sand Box:** is a system in to perform initial designs in case of installation projects or is used to copy from existing Productive Business system to perform testing processes for migrations, upgrades or transformation as can be isolated during the project not impacting the normal Business processes.
- **Training Box:** system where proper data and processes are defined for training purposes. I.e., in an implementation project this is useful to train end-users into SAP new business way of perform their business processes.

### Clients

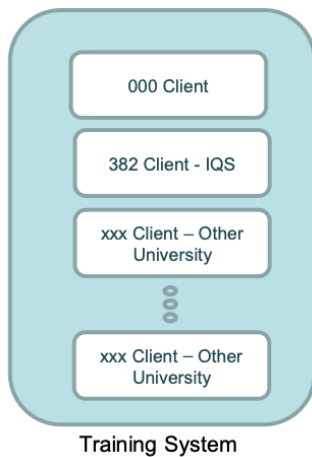
All master data is protected in it by which master data can be seen within it. Master data created under one client in SAP cannot be changed from another. Multiple clients can be created in any environment.

Objects are client dependent or independent depending on their nature. When objects are defined within one client, it’s called client dependent otherwise objects will be called client independent. Examples of client independent objects are ABAP programs and client dependent are **Master Data**.

**Example with 4 environments** (used for Upgrade projects for example):



### Training Environment:



During this class client 283 will be available for training purposes, with access through FIORI.

Master Data (documents...) will be protected from other classes at Client level.

Training is oriented to concepts and business; no development will be allowed (there is no Development Key in the training package)

Business processes roles are granted to each LEARN-xxx user; FIORI apps will be available once logged due to these roles' assignments.

## Login, Navigation & User Experience

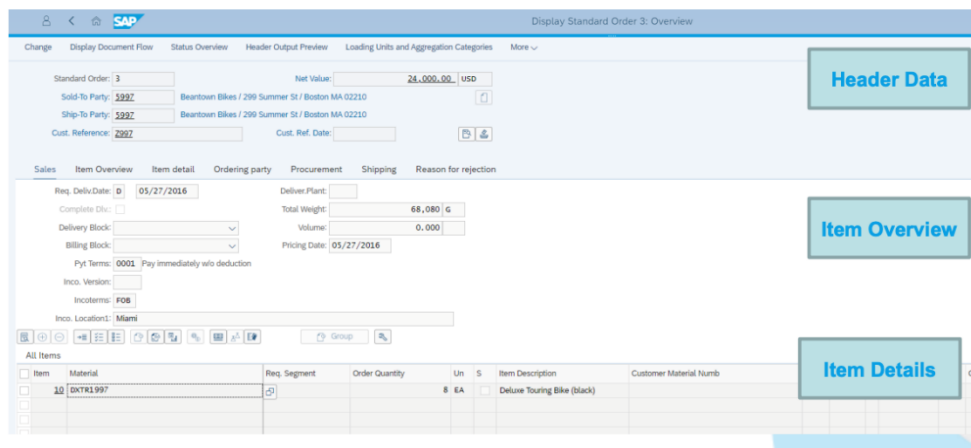
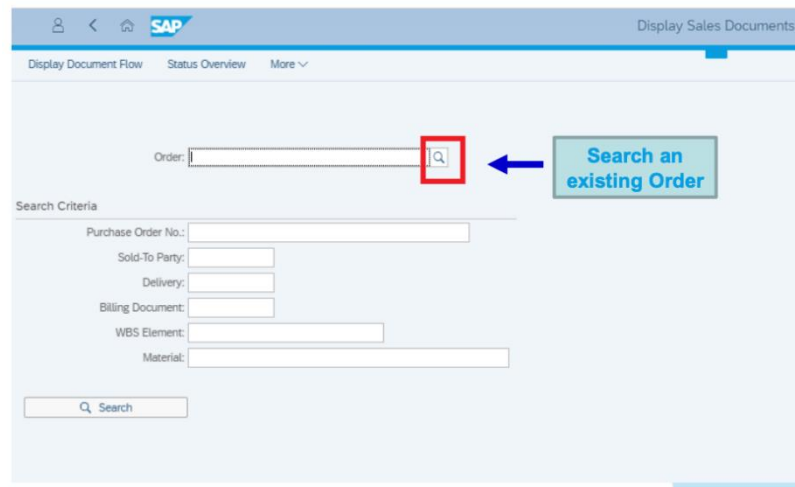
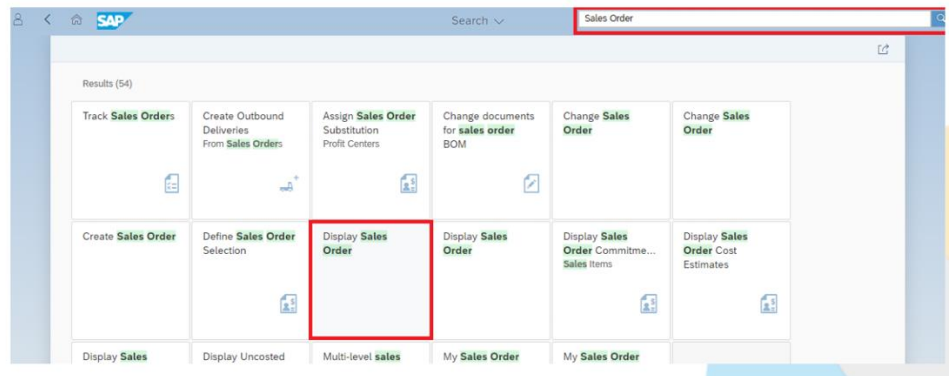
### 5 Fiori Principles:

1. Role based
2. Simple
3. Responsive
4. Coherent
5. Delightful

### Joke:

- Naa, I am not going to say it

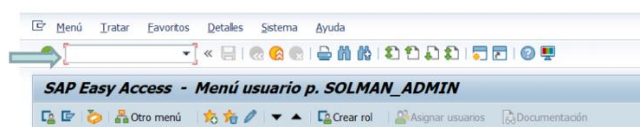
## Fiori APP Sample – Sales Order



## Transactions and reports

### Transactions:

Each function in the SAP system has a transaction code associated with it. A transaction code consists of letters, numbers, or both. Transaction codes will be typed in the command field:



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Every SAP transaction code performs a function call to go to any task in an SAP application.

**Reports:**

An SAP report is an executable program, based on native programming language ABAP and or JAVA, that performs and task in order to perform the necessary actions to generate output based on the filter criteria selected by the end user.

SAP reports can be executed in dialog mode and/or in background mode. Also, can be executed directly by user or by executing a transaction code.