



Oracle Applications 11i

ERP Functional Overview



Agenda

- *What is ERP ?*
- *Features of ERP*
- *Brief History of ERP*
- *ERPS Available*
- *Introduction to Oracle Apps*
- *Architecture overview*
- *ERP integration and Modules*
- *Definition of Each Modules*
- *Major Business Process Flow*

Agenda contd....

- *Multi-Org concepts*
- *Basics of Inventory*
- *Flex fields*
- *Profile Options*
- *Inventory Fundamentals*
- *Q & A*

What is ERP ?

Integrates all departments and functions across a company onto a single computer system that can serve all those different departments' particular needs

What is ERP

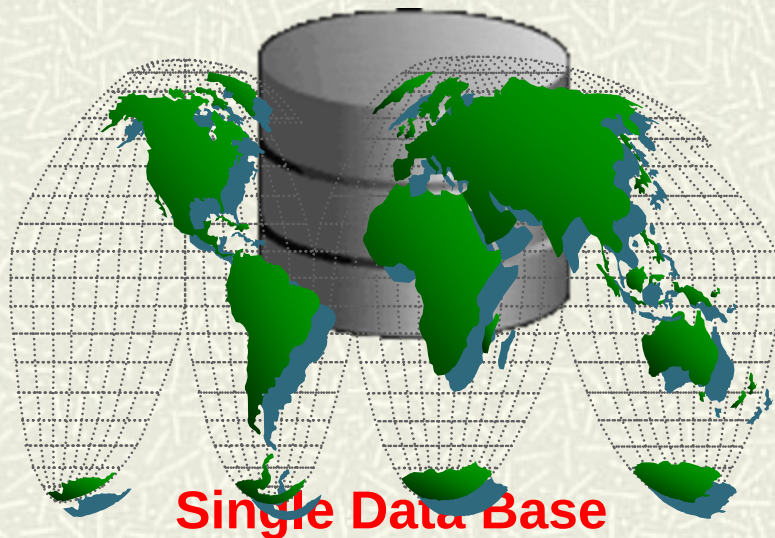
ERP combines all business areas together into a single, integrated software program that runs off a single database so that the various departments can more easily share information & communicate with each other



What is ERP? Example

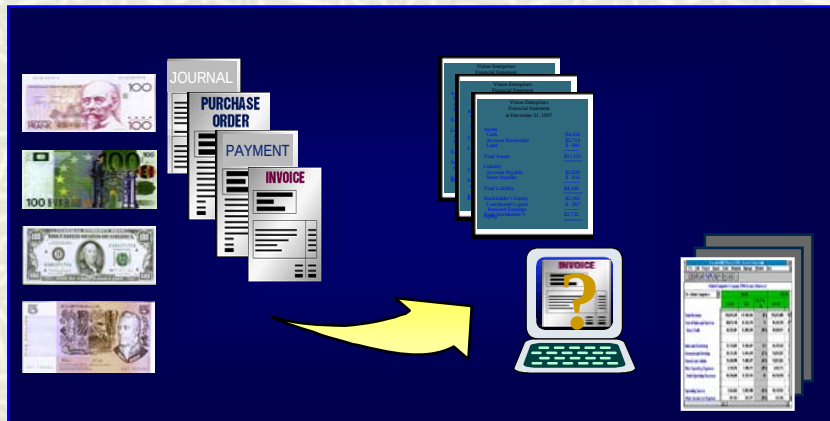
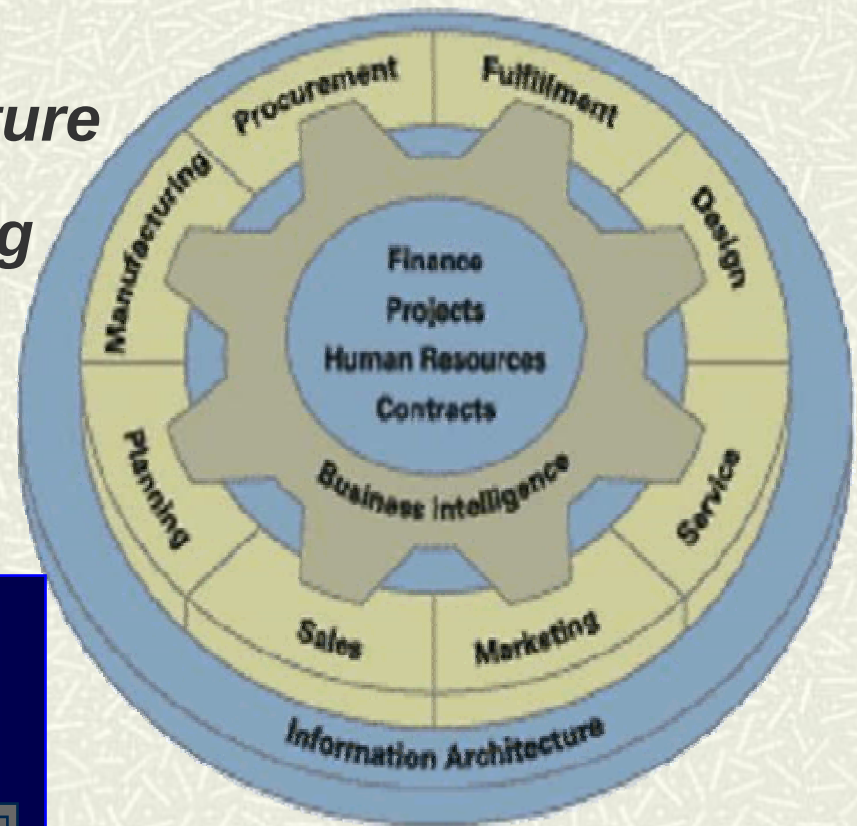
A warehouse in Singapore enters a customer order
Data automatically flows to other areas of the company

- It flows to financial and accounting people in New York automatically update accounts receivable
- Order would flow to manufacturing operations in Europe instructing them to make another component
- Inventory levels would automatically be reduced in warehouse and an order would be placed to replenish inventory



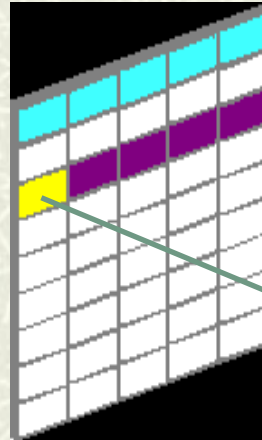
Features of ERP...

- *Integrated with all business areas*
- *Globalization*
- *Multilingual Table structure*
- *Multi Currency Reporting*



Features of ERP...

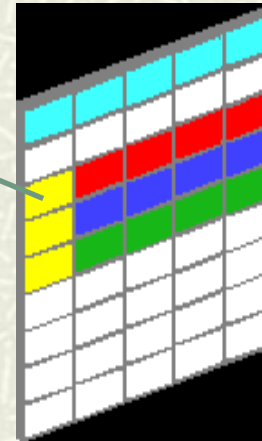
Base Table



A 3D perspective view of a table with 10 columns and 10 rows. The top row is cyan, the second row is purple, and the third row is yellow. A green arrow points from the yellow row in the Base Table to the yellow row in the Translation Table.

Base Table Row contains language-independent attributes

Translation Table



A 3D perspective view of a table with 10 columns and 10 rows. The top row is cyan, the second row is red, the third row is blue, the fourth row is green, and the fifth row is yellow. A green arrow points from the yellow row in the Base Table to the yellow row in the Translation Table.

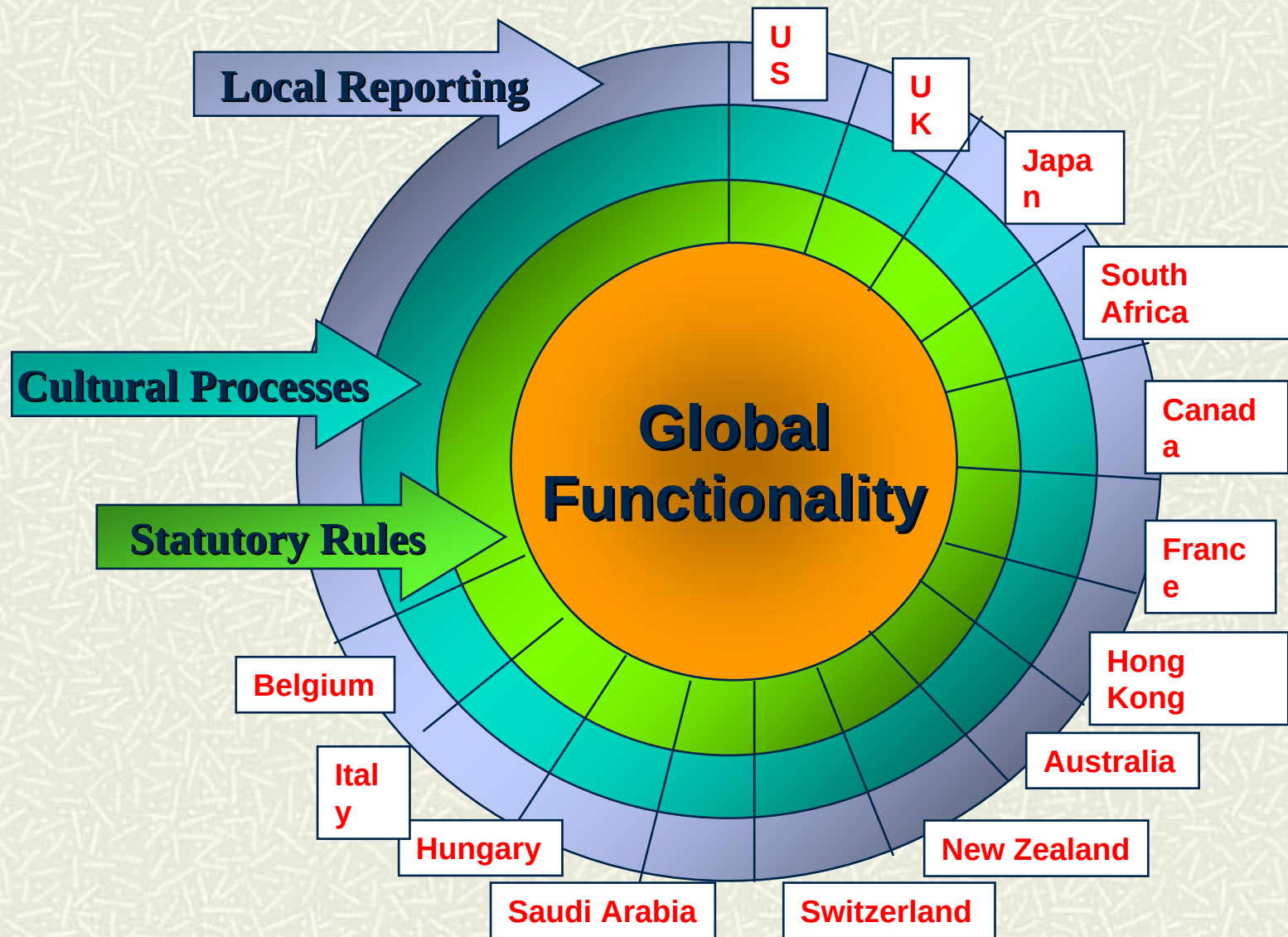
German

English

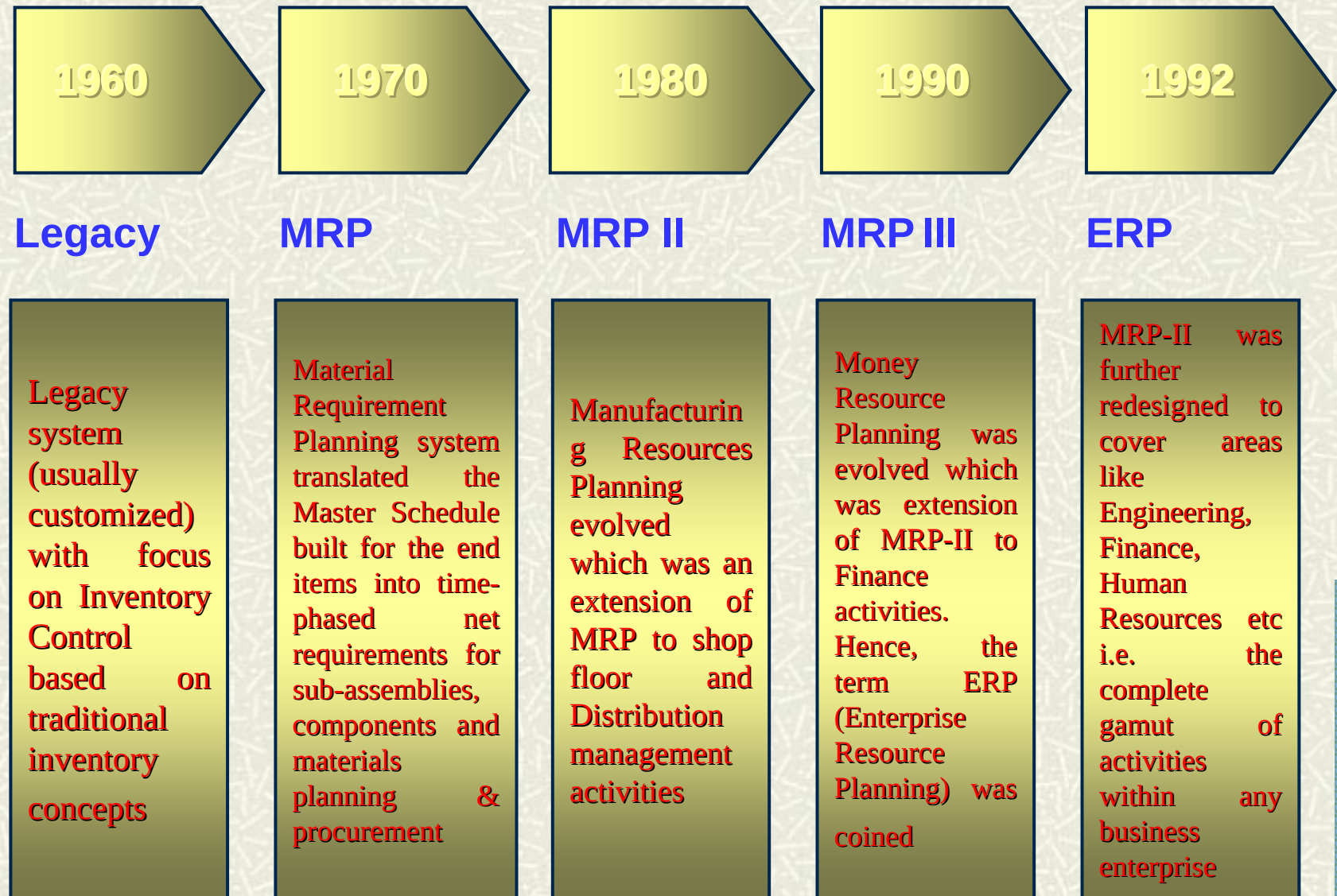
French

One row for each Installed Language contains translated textual attributes

Features of ERP...



ERP History



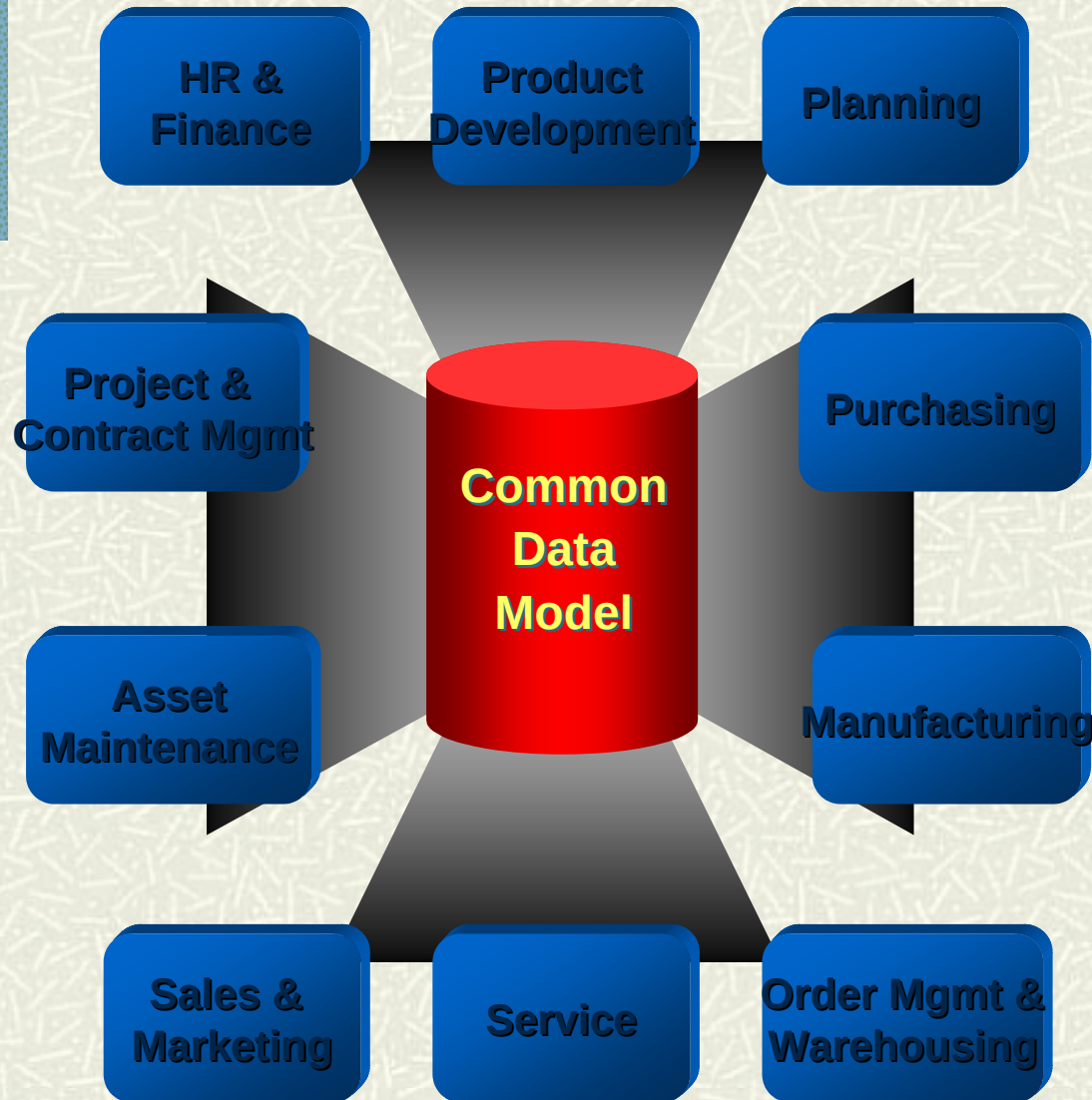
ERP History

2000

ERP II

ERP systems are used to integrate and optimize an organization's internal manufacturing, financial, distribution, and human resource functions. In contrast, ERP II addresses the integration of business processes that extend across an enterprise and its trading partners. ERP II forms the basis of Internet-enabled e-business and collaborative commerce

ERP Integration & Modules



- Single, complete data model
- Store all information in a single database
- Track all customer interactions

Oracle Applications Overview

- Release 11i is the 100% internet Oracle Applications suite (E-business suite)
- Provides companies to run their worldwide operations from a single, centrally managed site.

Internet Computing Architecture

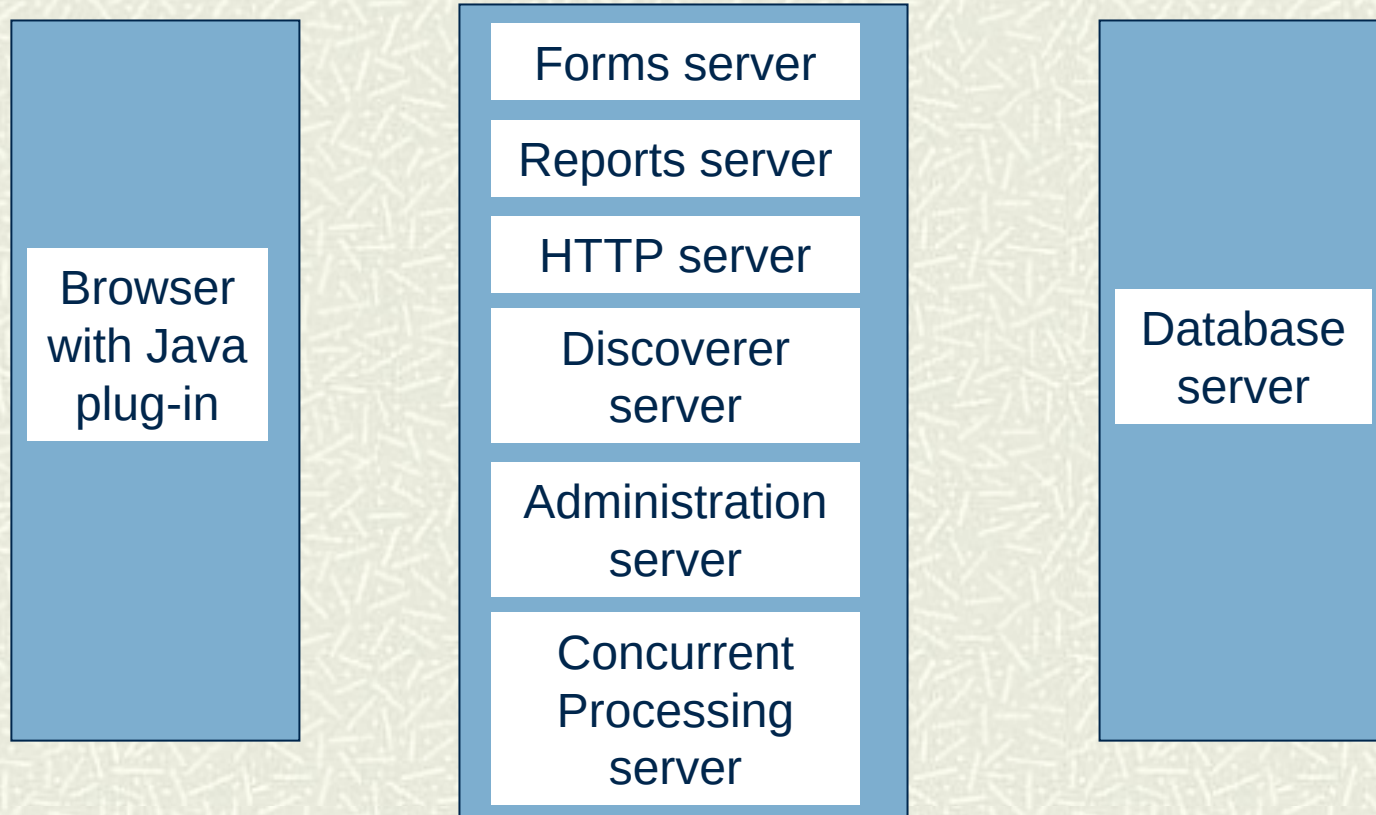
- Internet Computing Architecture is a framework for three-tiered, distributed computing that supports Oracle Applications
- The three tiers are database tier, application tier and desktop tier.

Internet Computing Architecture

10.x SC (Smart Client)

11 NCA (Network Computing Architecture)

11i ICA (Internet Computing Architecture)



- Contains Oracle8i database

- Provides user interface display.
- Requires installation of Jinitiator & Java enabled browser.
- This eliminates the need to install and maintain application software on each desktop client.

The Application Tier software is mainly used by two types of products. They are

- Forms-based Products
- HTML-based Products

Oracle Work Flow

- Many Oracle Applications products use Oracle Workflow to automatically enforce business rules and policies and to provide common notification system.
- Oracle workflow monitors business processes, collects process data, and provides an email and web page notification system.

Business Intelligence System (BIS)

- Business Intelligence System is a decision support solution integrated with Oracle Applications.
- Using BIS products a manager can query the Oracle applications database to monitor recent business performance across multiple organizations.
- BIS do not use Forms server or Forms client, instead it uses Oracle Discoverer and Reports servers on the application tier.

ERP Integration & Modules

Order Management

- Order Management
- Advanced Pricing
- Configurator
- iStore
- Release Management
- Supply Chain Intelligence

Logistics

- Inventory Management
- Mobile Supply Chain Apps
- Warehouse Management
- Transportation
- Supply Chain Intelligence

Maintenance Mgmt

- Enterprise Asset Mgmt
- Complex MRO
- Property Manager

Planning & Scheduling

- Supply Chain Planning
- Demand Planning
- Advanced Supply Chain Plng
- Constraint-based Optimization
- Global Order Promising
- Manufacturing Scheduling
- Inventory Optimization
- Collaborative Planning
- Supply Chain Intelligence

Service

- iSupport
- TeleService
- Service Contracts
- Field Service
- Spares Management
- Advanced Scheduler
- Mobile Field Service
- Depot Repair

Manufacturing

- Discrete Manufacturing
- Cost Mgmt & Quality
- Project Manufacturing
- Flow Manufacturing
- Shop Floor Management
- Process Manufacturing
- Lab & Formula Mgmt
- Production Management
- Process Costing & Quality
- Supply Chain Intelligence

Procurement

- Sourcing
- iProcurement
- Purchasing
- Payables
- iSupplier Portal
- Purchasing Intelligence

ERP Integration & Modules

Finance

Financials

- General Ledger
- Receivables
- Credit Management
- Payables/iPayment
- Cash Management
- Assets
- Property Manager
- Internet Expenses
- iReceivables
- Advanced Collections
- Treasury
- Lease Management
- Cust Online/Data Librarian
- Customer Model
- Internal Controls Manager
- Balanced Scorecard
- Activity Based Management
- Financial & Sales Analyzers
- Financials Intelligence

Human Resources

Human Resources

- Self-Service HR
- Payroll
- Advanced Benefits
- Time & Labor
- Training Administration
- iLearning
- iRecruitment
- HR Intelligence

Projects

- Project Management
- Project Collaboration
- Project Resource Mgmt
- Project Costing/Billing
- Internet Time
- Project Contracts
- Project Intelligence

Marketing & Sales

Marketing

- Trade Management
- Partners Online
- TeleSales
- Advanced Pricing
- iStore
- Field Sales
- Sales Offline
- Quoting
- Incentive Compensation

Product Lifecycle Mgmt

- Adv Product Catalog
- CADView-3D
- Project Management
- Project Collaboration
- Collaboration Suite

ERP Modules Definition

Order Management

Capture sales order from customer, maintains price list and discount to process and track the sales order up to customer acknowledgment

Manufacturing

Manages the acquisition of raw materials from suppliers and the subsequent handling of raw materials inventory from storage to work-in-progress goods to finished-goods inventory

Planning & Scheduling

Maintains production information — production is planned, scheduled, and actual production activities are recorded

ERP Modules Definition

Finance

Records all accounting transactions and generates financial statements for external, internal and statutory reporting

Human Resource

Facilitates employee data related to recruiting, hiring, training, payroll, other benefits and its relationship with in organization

Project Management

Planning, Control and costing of new R&D, construction, marketing as well as ERP projects

ERP Modules Definition

Marketing & Sales

Captures all information from prospect to order and information about all marketing channel, the customer and its relationships

Service

Facilitates after sales services to the customer, captures all related information about services, service engineers and their call assignments

Procurement

Records all transactions related to purchasing of items, master information about vendors and their business share

Business Process Flow

- Plan to Campaign
 - Campaign to Results
 - People to Paycheck
 - Accounting to Financial Reports
 - Project to Profit
 - Order to Cash
 - Procure to Pay
 - Demand to Build for Discrete M
 - Forecast to Plan
- Incentive to Payment
 - Call to Order
 - Click to Order
 - Opportunity to Global Forecast
 - Call to Resolution
 - Click to Resolution
 - Contract to Renewal
 - Dispatch to Repair
 - Depot to Repair

Example 1: Business Process Flow

Quote to Order

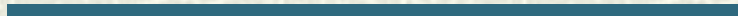




QUESTIONS & ANSWERS



Introduction to Multi-Org



-
- Introduced as standard functionality in Release 10.7, Multi-Org is a key component of the Oracle E-Business Suite
 - Provides secure access to the different organizations of the enterprise
 - Supports multiple organizations of the enterprise structure in a single database
-

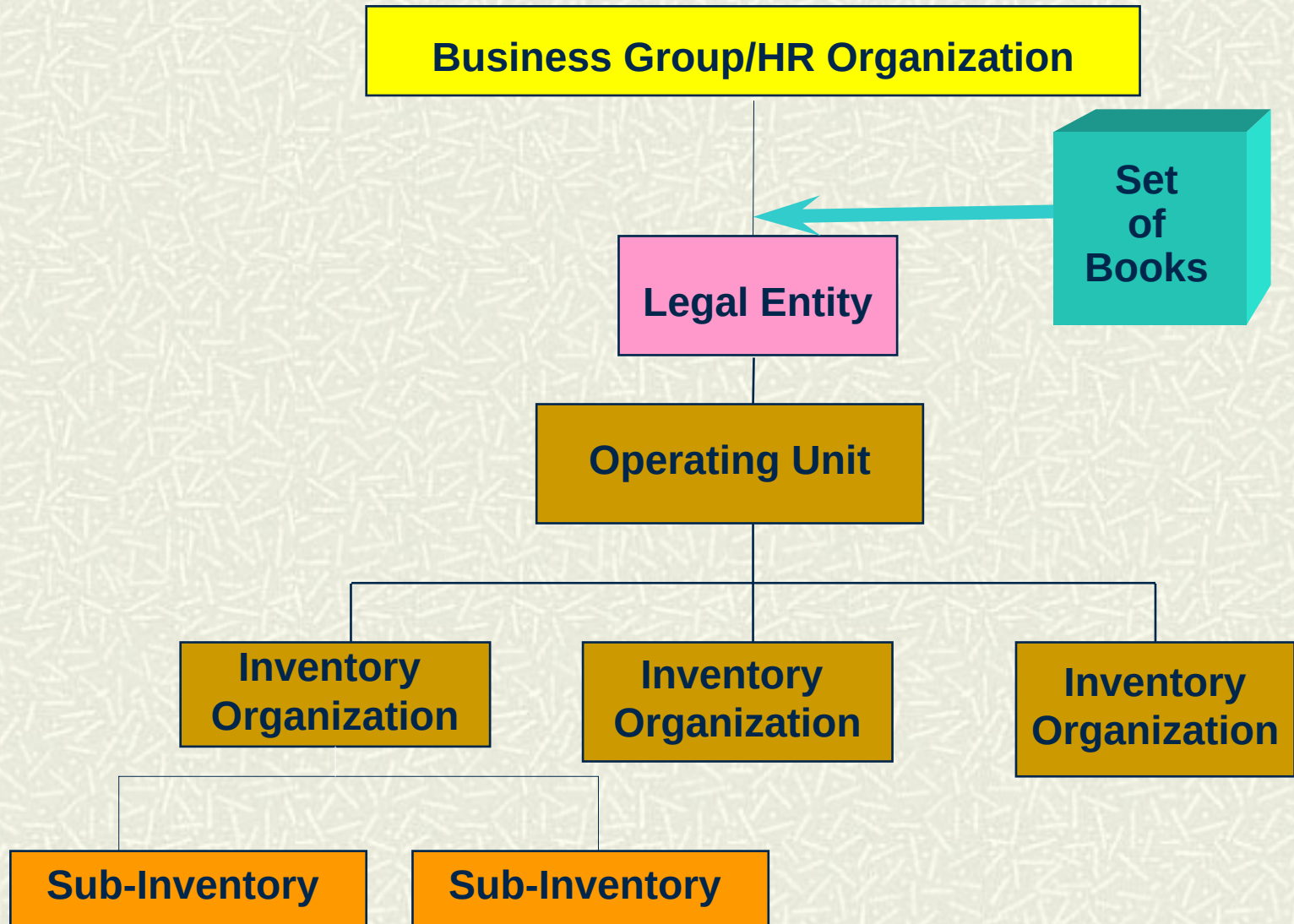
WHAT IS AN ORGANIZATION?

- An organization can be company, department, division, cost center, or virtually any other organizational unit within a business.
- The organizational units relevant to Multi-Org in the E-Business Suite are defined and stored using the Oracle Human Resources (HR) application. Organizations are assigned classifications that determine their type and use.

These classifications include

- Business Group
- Legal Entity
- Operating Unit
- Inventory Organization
- HR Organization

Organization Hierarchy



Business Group

- To partition human resource information
- Highest level in an organization structure hierarchy in the E-Business Suite
- No accounting impact
- Legal Entities, Operating Units and Inventory Organizations all belong to a single Business Group.
- Determines which employees will be available to the Sets of Books and Operating Units related to that Business Group

- Represents a legal company for which the user prepares fiscal or tax reports.
 - Tax identifiers and other relevant information are assigned to this entity. Legal Entities are associated with a Set of Books
 - One or more Legal Entities may be associated with a single Set of Books, and multiple Legal Entities may be associated with a single Business Group.
-

- The Operating Unit is the organization unit through which you create, process report on, and secure financial applications data.
- Operating Units belong to a Legal Entity.
- One or more Operating Units may be associated with a single Legal Entity

Inventory Organization

- The Inventory Organization is an organization for which you track inventory transactions and balances.
- Inventory Organizations belong to an Operating Unit.
- An Inventory Organization can serve multiple Operating Units within the same Set of Books.
- The relationship between Inventory Organizations and a Set of Books is financial.

HR Organization

The HR Organization classification is applied to the organizations to which the user assigns employees.

This includes Business Groups, and in the United States.

It is also applied to organizations of type GRE (Government Reporting Entities) entity.

- In the E-Business Suite, a Set of Books is the financial reporting entity that secures journal entries and account balances within the Oracle General Ledger application.
- It is neither an organization nor an organization classification in the context of Multi-Org.

- Responsibility is grouping of functions often related to a job role or level of responsibility in a business.
- Application Responsibilities may be explicitly associated with a Business Group, Operating Unit, Inventory Organization, and Set of Books through System Profile Option settings.

- An inventory organization can be a physical entity like a warehouse where inventory is stored and transacted.
- An inventory organization can be a logical entity like an item master organization which only holds items with no transactions

- An inventory organization can have its own location with a set of books, a costing method, a workday calendar, and a list of items
- An inventory organization can share one or more of these characteristics with other organizations

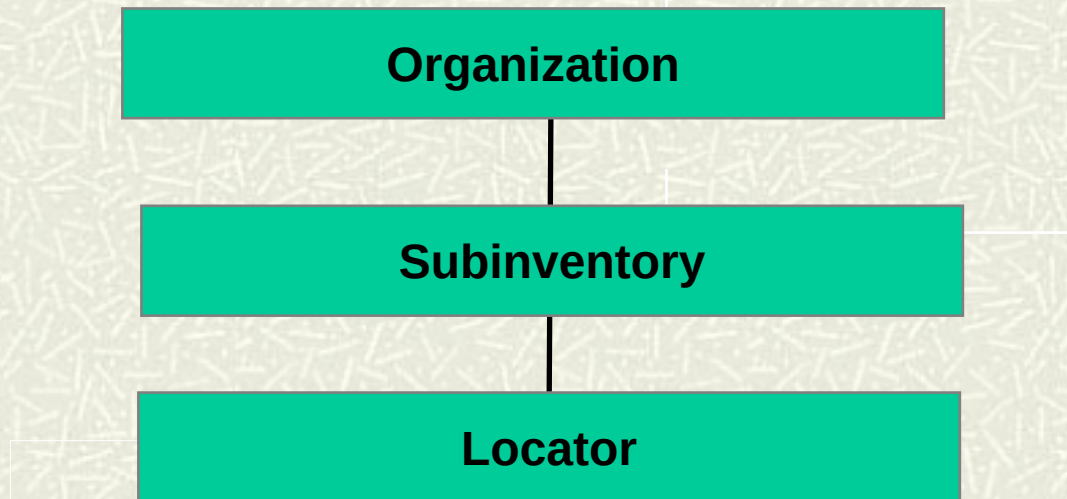
Using an Item Master Organization

- *Item Master Organization* is usually the first Inventory organization that is set up. Its single purpose is for entering items. It has no subinventories and is not used for inventory transactions. Items are entered in an item master organization and then assigned to be used in child organizations.

- *Child Organization* is an inventory organization with at least one subinventory that is set up for processing inventory transactions. It is not used to enter items. It gets a list of items from the master

Organization Setup

Inventory Organizations are made up of one or more Subinventories which can be made up of one or more locators



QUESTIONS
ANSWERS

FLEXFIELDS AND PROFILE OPTIONS



Understanding Flexfields



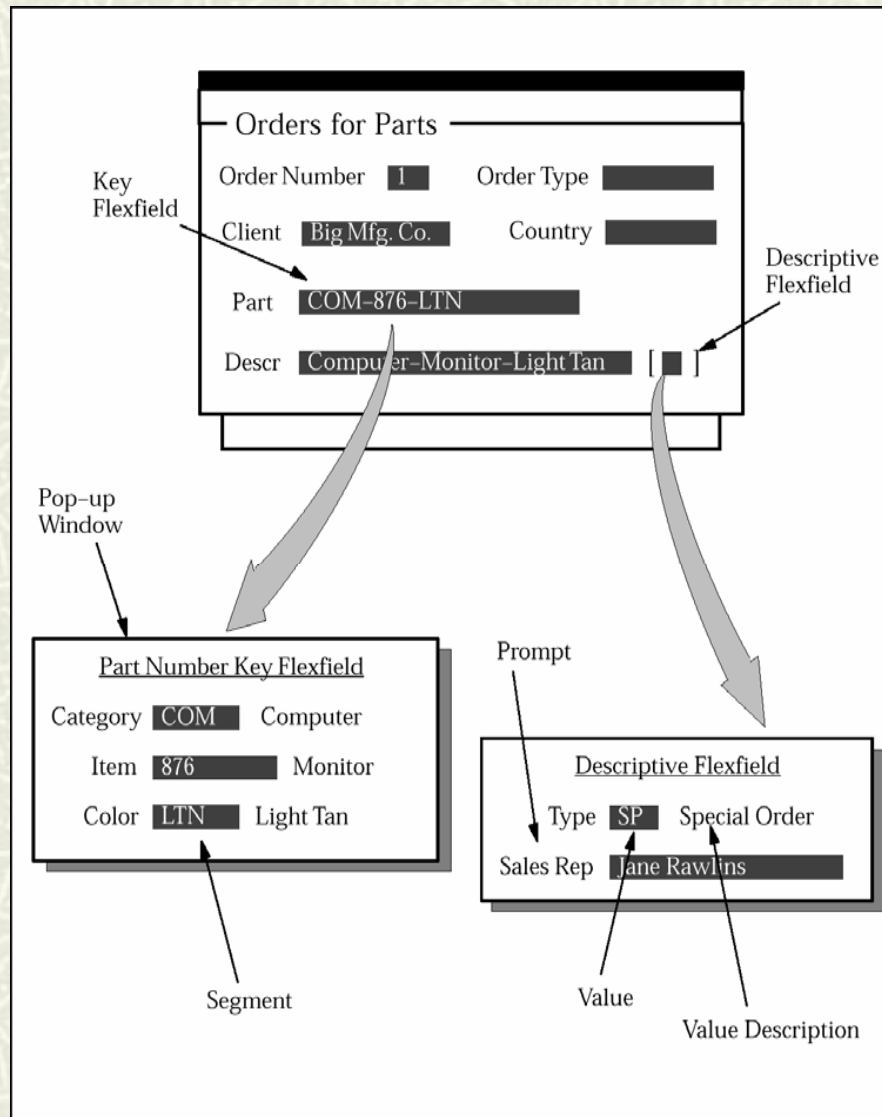
Profile Options

Objectives

At the end of this course, you should be able to

- ***Understand the purpose and operation of Key and Descriptive Flexfields***
- ***Recognize Key and Descriptive Flexfield in Oracle Applications***
- ***Plan and define Key Flexfield structures and segments***

Key and Descriptive Flexfields



- ***A field is made up of sub fields***
- ***A flexfield segment is a single sub field of a flexfield***
- ***Key flexfields identify an entity***
- ***Descriptive flexfields add extra information***

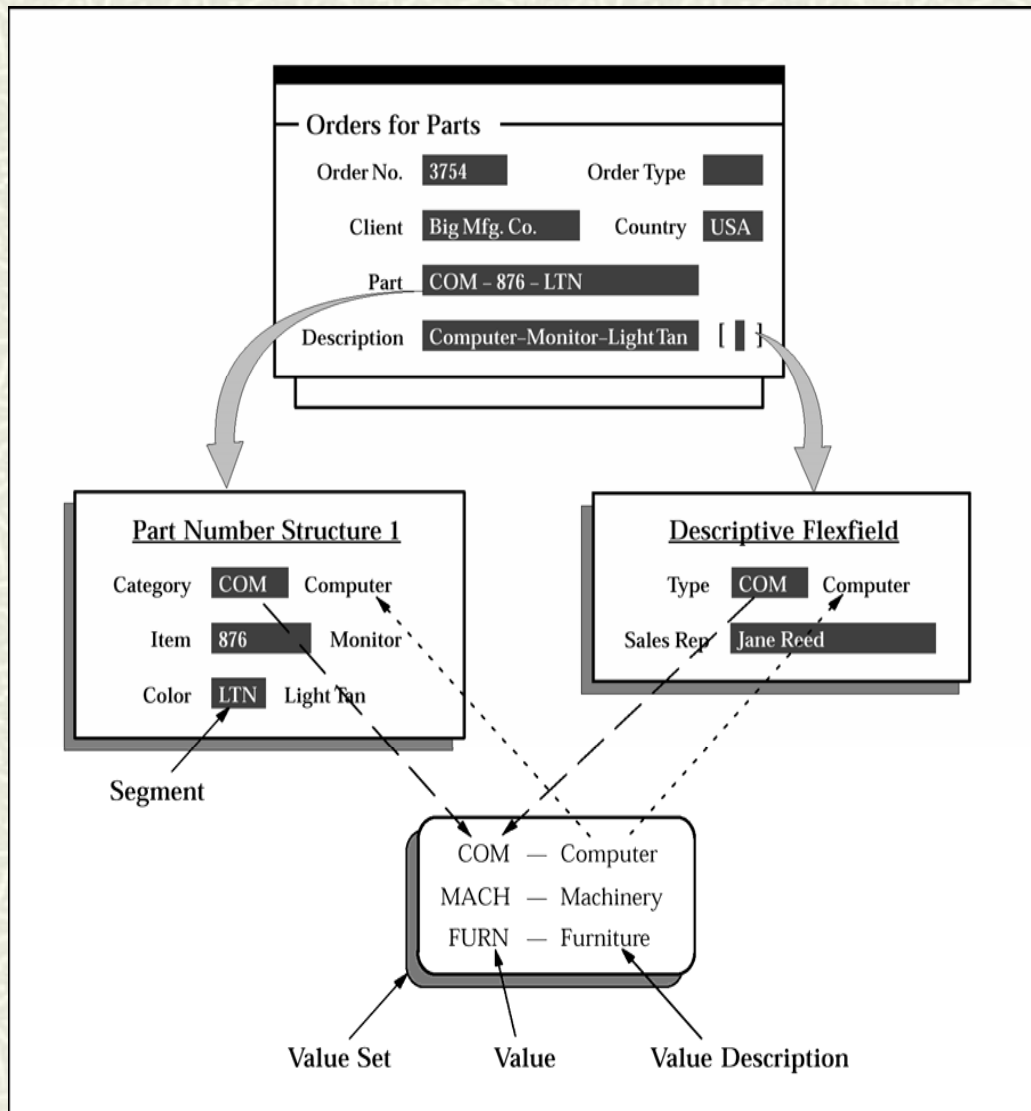
Flexfields Terminology

- **Segment**
- **Value**
- **Validation (Validate)**
- **Value set**
- **Structure**

A flexfield structure is a specific configuration of segment. Same flexfield can have multiple segment structure

Flexfield validates each segment against a set of valid values, which are mostly predefined

A segment is a single sub-field within a flexfield. You define the appearance and meaning of individual segments when customizing a flexfield. A segment is represented in your database as a single table column.



Benefits of Flexfields

Flexfields provide you with the features you need to satisfy the following business needs:

- **Customize your applications to conform to your current business practice for accounting codes, product codes, and other codes.**
- **Customize your applications to capture data that would not otherwise be tracked by your application.**

Benefits of Flexfields

- Have “*intelligent fields*” that are fields comprised of one or more segments, where each segment has both a value and a meaning.

Benefits of Flexfields ...

- **Rely upon your application to validate the values and the combination of values that you enter in intelligent fields (Cross Validation Rules).**
- **Have the structure of an intelligent field change depending on data in your form or application data.**
- **Customize data fields to your meet your business needs without programming.**
- **Query intelligent fields for very specific information.**



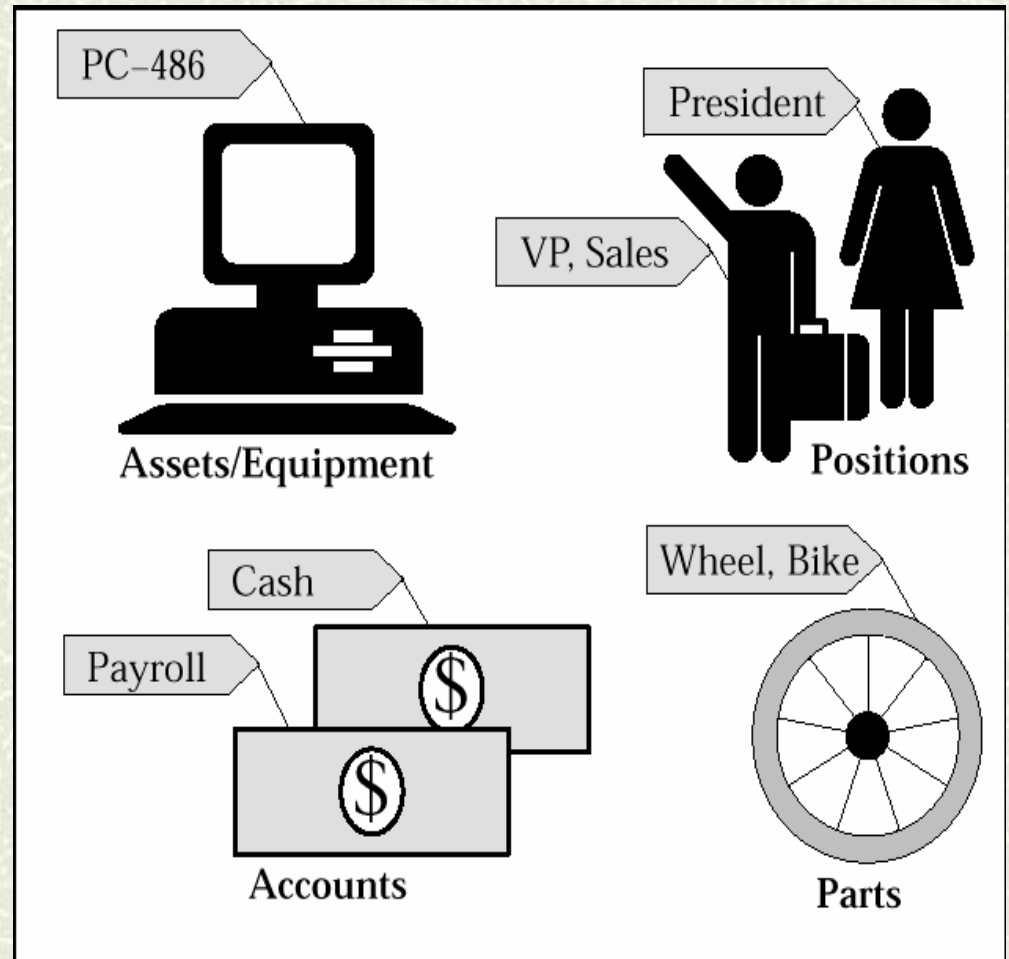
Key Flexfields

Key Flexfields

- **Intelligent Key**

An intelligent key is a code made up of sections, where one or more parts may have meaning.

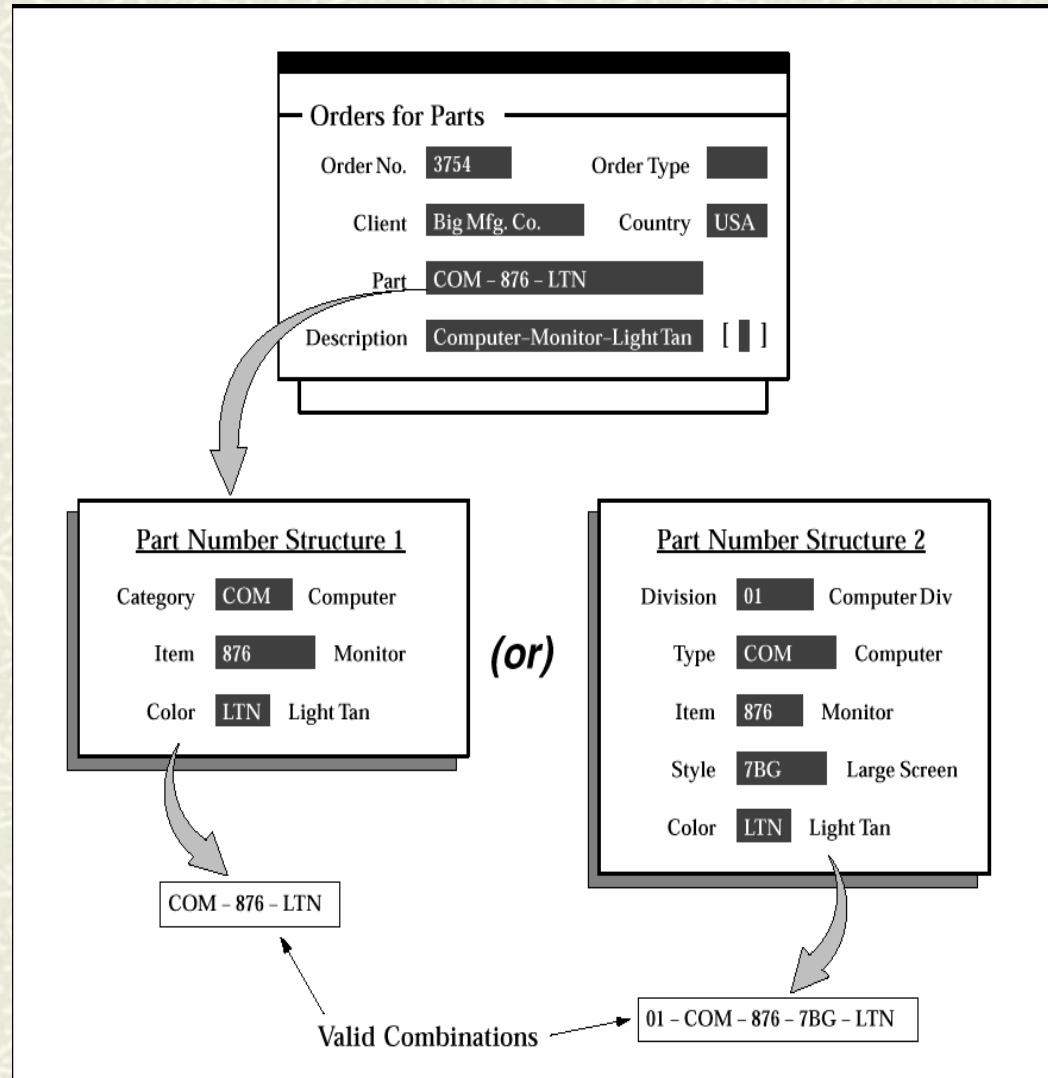
An intelligent key "code" uniquely identifies an object such as an account or a part or a job.



Key Flexfields

- **Combinations**

A **combination** is a particular complete code, or combination of segment values that makes up the code, that uniquely identifies an object.



Key Flexfields

- **Combinations Table**

*Each key flexfield has one corresponding table, known as the **combinations table**, where the flexfield stores a list of the complete codes, with one column for each segment of the code, together with the corresponding unique ID number (a code combination ID number or CCID) for that code.*

Each time a key flexfield is compiled the underlying view is regenerated to reflect the latest structure. We can also specify our own name for the view instead of using the default view name that is created. We can achieve this by giving a name in the “View Name” field of the Key Flexfield Segments screen.

Key Flexfields

- Flexfield qualifier***

A flexfield qualifier identifies a particular segment of a key flexfield.

Oracle Applications - Vision Corporation

File Edit View Folder Tools Window Help

Key Flexfield Segments

Application: Oracle General Ledger Flexfield Title: Accounting Flexfield

Structures

Code	Title	Description	View Name
JAPAN_SVS_ACCOUN	Japan Svs Accounting Flex	Vision Services Japan Accoun	
KOREA_ACCOUNTING	Korea Accounting Flex	Korea Accounting Flex	
NETHERLAND	Segments Summary (Accounting Flexfield) - Japan Svs Accounting Flex		
OPM_ACCOUNT			
OPERATIONS			
PROJECT_MFI			
SERVICES_AC			
SPAIN_ACCO			

Freeze Flexfield ☒ Cross-Validate ☒

Flexfield Qualifiers (Accounting Flexfield) - Japan Svs Accounting Flex, Company

Number	Name	Window Prompt	Column	Value Set	Displayed	Enabled
1	Company	Company	SEGMENT1	Japan_Services_Compan	☒	☒
2	Department	Department	SEGMENT2	Japan_Services_Departm	☒	☒
3	Account					
4	Sub_Account					
5	Location					
6	Product					

Flexfield Qualifiers (Accounting Flexfield) - Japan Svs Accounting Flex, Company

Name	Description	Enabled
Cost Center Segment	This attribute is used to identify the cost center segment.	☒
Natural Account Segn	This attribute is used to identify the natural account segment.	☐
Balancing Segment	This attribute is used to identify the balancing segment. This i	☒
Intercompany Segme	This attribute is used to identify the intercompany segment	☐
		☐
		☐
		☐
		☐
		☐

Record: 1/4 <OSC> <DBG>

Key Flexfields

- **Segment qualifier**

A **segment qualifier** identifies a particular type of value in a single segment of a key flexfield. In the Oracle Applications, only the Accounting Flexfield uses segment qualifiers.

Oracle Applications - Vision Corporation

File Edit View Folder Tools Window Help

Segment Values

Value Set Key Flexfield Descriptive Flexfield Concurrent Program

Name VIS_Account

Dependent Value Set

Independent Value

Values (VIS_Account)

Values, Effective Values, Hierarchy, Qualifiers

Value	Translated Value	Description
1000	1000	Total Asse
1100	1100	Cash and
1101	1101	Nostro Cas
1102	1102	Nostro Cas
1103	1103	Nostro Cas
1104	1104	Cash on H
1105	1105	Cash - Fed

Segment Qualifiers

Allow Budgeting No

Allow Posting No

Control Account No

Account Type Asset

Reconciliation Flag No

OK Cancel Clear Help

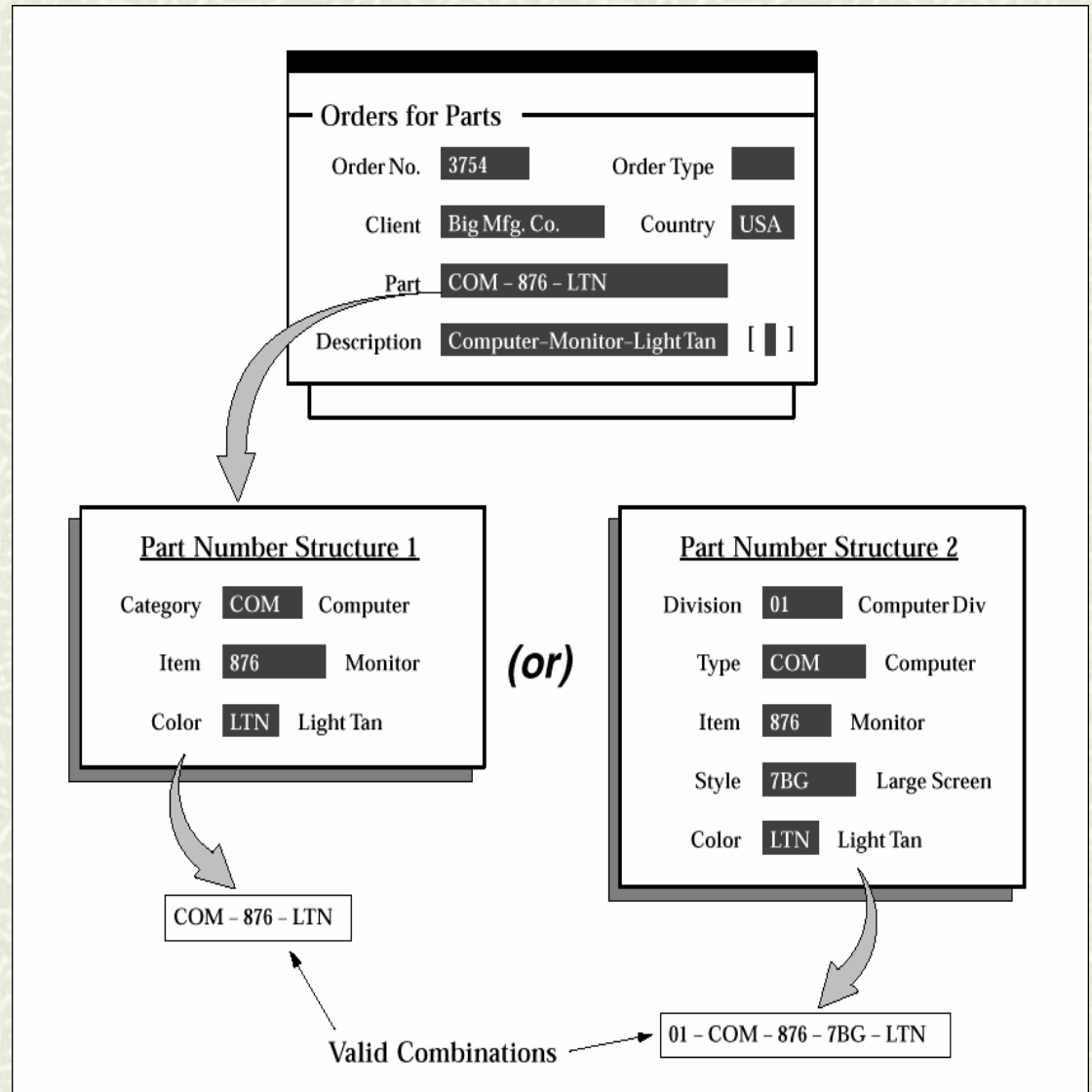
Define Child Ranges Move Child Ranges View Hierarchies

<DBG>

Key Flexfields Feature

- **Multiple Structures**

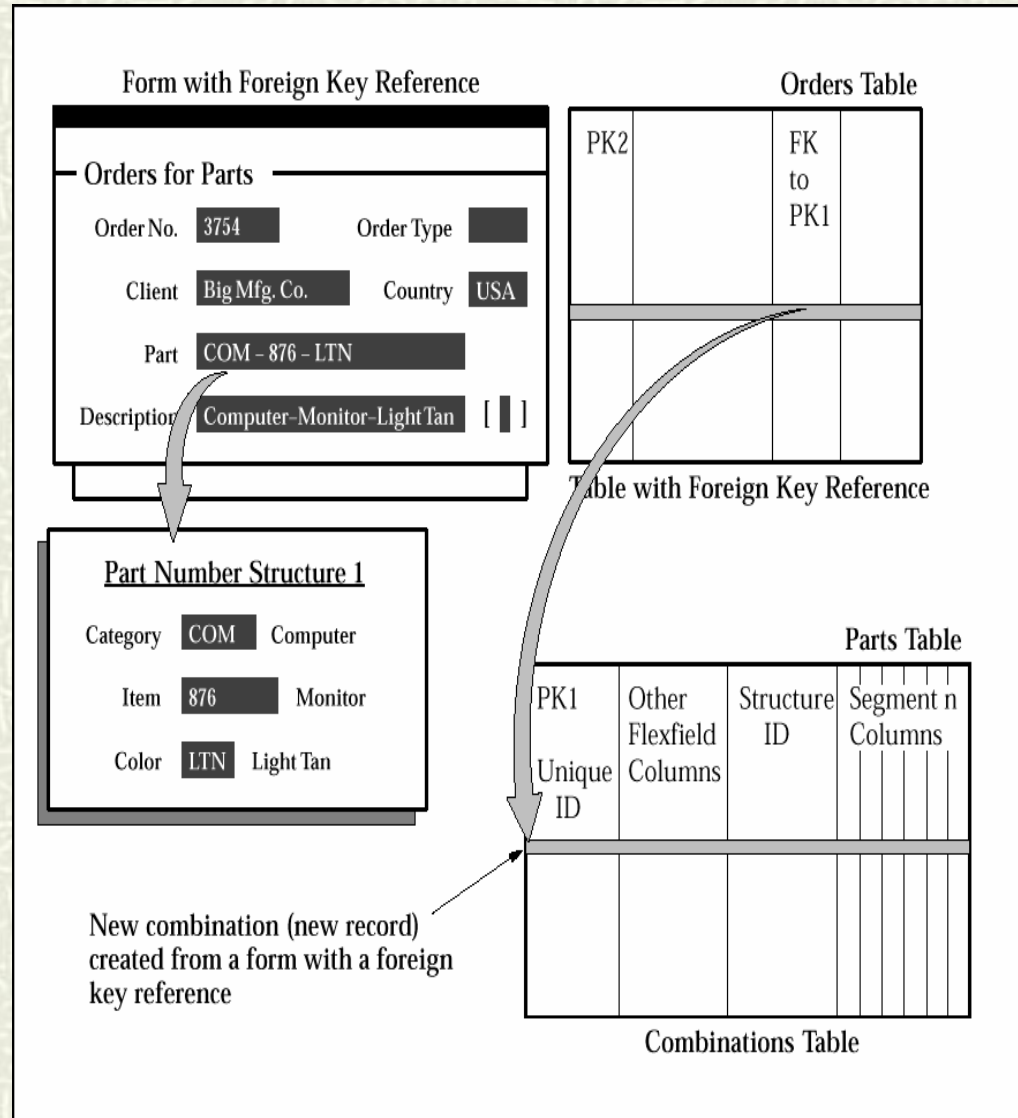
A **flexfield structure** is a specific configuration of segments. If you add or remove segments, or rearrange the order of segments in a flexfield, you get a different structure.



Key Flexfields Feature...

- **Dynamic Insertion**

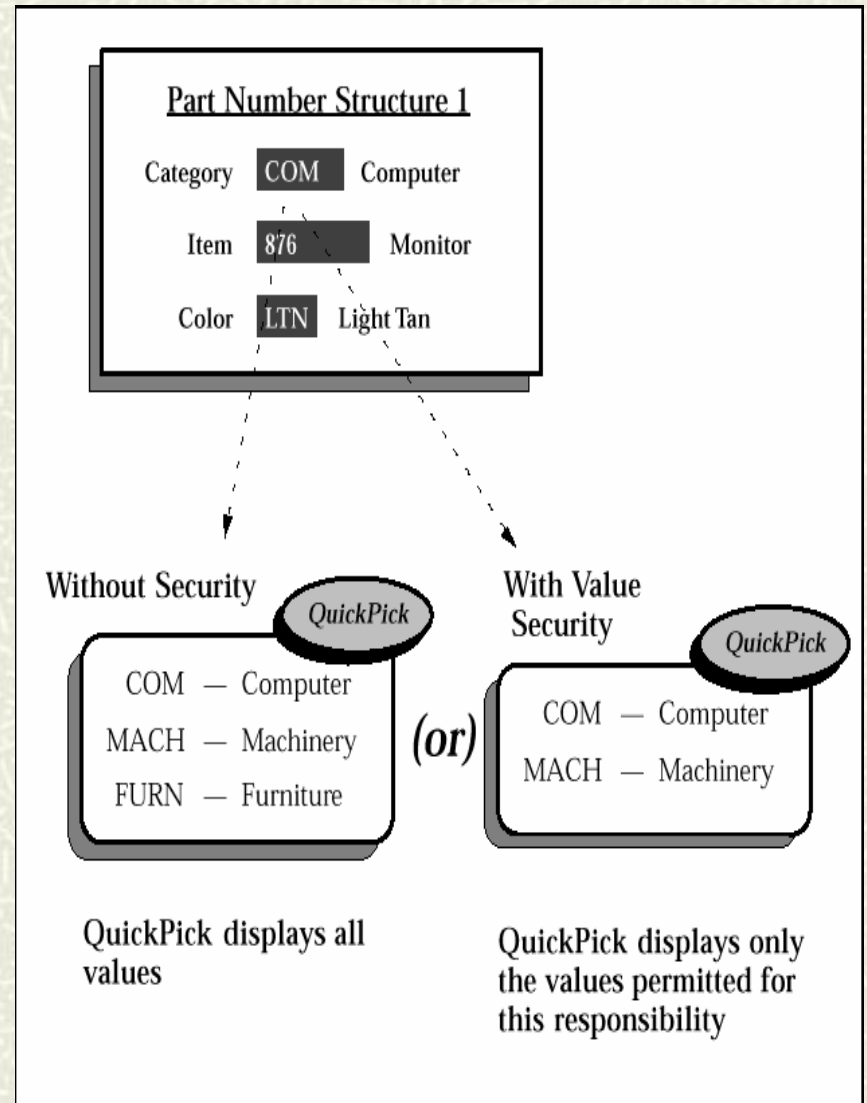
The insertion of a new valid combination into a combinations table from a form other than the combinations form.



Key Flexfield Features...

- ***Flexfield Value Security***

The capability to restrict the set of values a user can use during data entry.



Other Key Flexfield Features...

- **Cross-Validation**

Cross-validation rules prevent users from creating new key flexfield combinations that contain values that should not coexist in the same combination.

The screenshot shows the 'Cross-Validation Rules' window in Oracle Applications. The window title is 'Oracle Applications - Vision Corporation'. The menu bar includes File, Edit, View, Folder, Tools, Window, and Help. The toolbar contains various icons for file operations and help. The main area is divided into several sections:

- Application:** Oracle General Ledger
- Structure:** Operations Accounting Flex
- Flexfield Title:** Accounting Flexfield
- Description:** Vision Operations Accounting Flex

Cross-Validation Rules

Name	Description	Enabled
Account		☒
Company		☒
Legal		☒
		☐

Error Message: Account: Balance Sheet accounts (Assets, Liabilities and O/E) must be used with Departme

Error Segment: Account From To

Cross-Validation Rule Elements

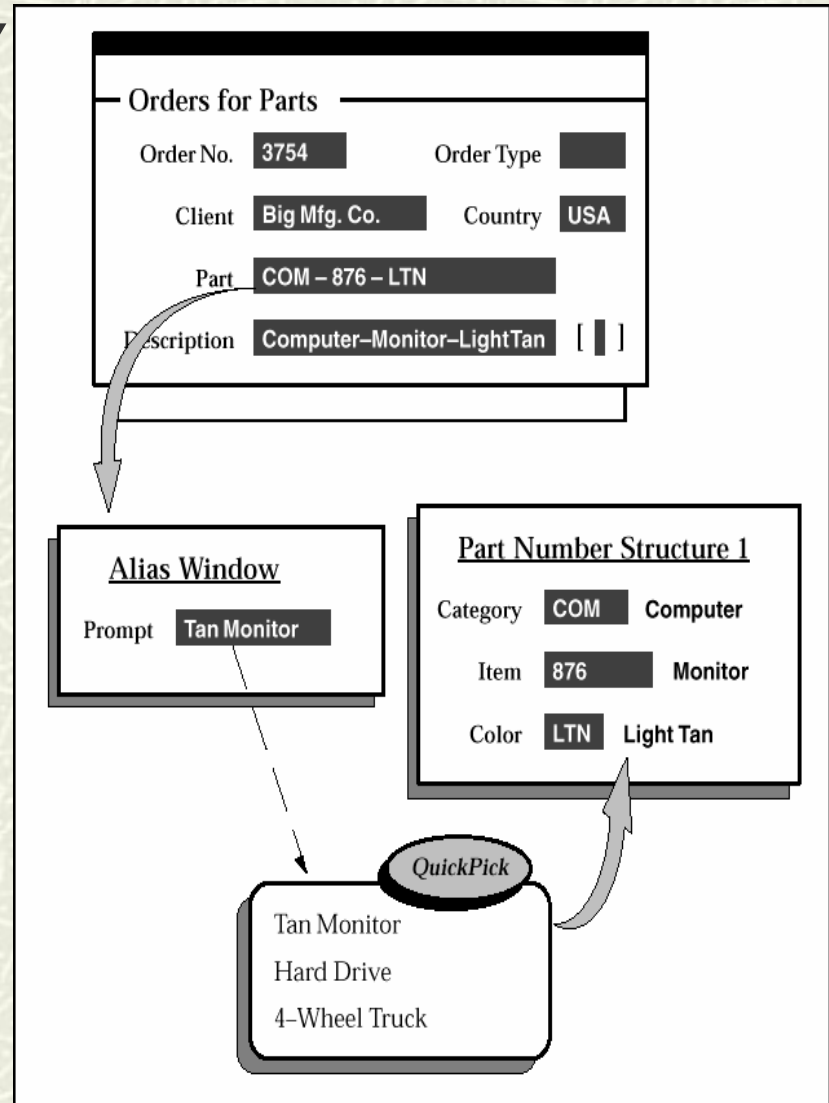
Type	From	To
Include	00-000-0000-0000-000	ZZ-ZZZ-ZZZZ-ZZZZ-ZZZ
Exclude	00-001-1000-0000-000	ZZ-714-1699-ZZZZ-ZZZ
Exclude	00-001-1700-0000-000	ZZ-714-3999-ZZZZ-ZZZ
Exclude	00-716-1000-0000-000	ZZ-ZZZ-1699-ZZZZ-ZZZ
Exclude	00-716-1700-0000-000	ZZ-ZZZ-3999-ZZZZ-ZZZ

The status bar at the bottom shows '<DBG>'.

Key Flexfield Features...

- ***Shorthand Flexfield Entry***

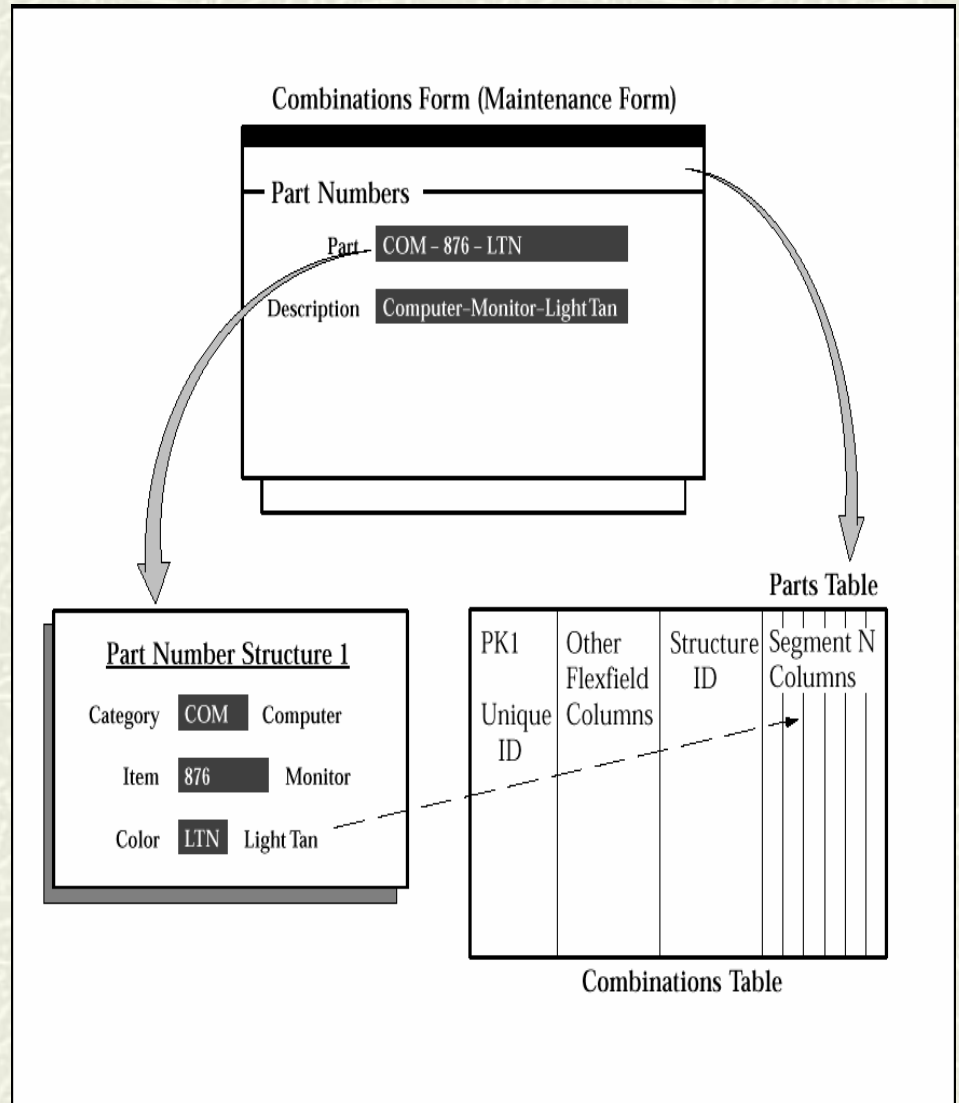
A quick way to enter key flexfield data using shorthand aliases



Key Flexfield Forms

- **Combination Form**

A form whose only purpose is to maintain key flexfield combinations.



Key Flexfield Forms...

Oracle Applications - Vision Corporation

File Edit View Folder Tools Window Help

GL Accounts (Vision Operations)

Enabled Preserved

Allow Budgeting Allow Posting

Effective Dates

Account	Type	From	To			
☒ ☐ 01-000-7410-0000-000	Expense			☒ ☒	☒ ☒	No
☒ ☐ 01-000-7210-0000-000	Expense			☒ ☒	☒ ☒	No
☒ ☐ 01-740-5370-0000-000	Expense			☒ ☒	☒ ☒	No
☒ ☐ 01-480-5810-0000-000	Expense			☒ ☒	☒ ☒	No
☒ ☐ 01-000-5060-0000-000	Expense			☒ ☒	☒ ☒	No
☒ ☐ 01-000-9110-0000-000	Expense			☒ ☒	☒ ☒	No
☒ ☐ 01-000-1430-2137-110	Expense			☒ ☒	☒ ☒	No
☒ ☐ 01-000-7870-0000-200	Expense			☒ ☒	☒ ☒	No
☒ ☐ 01-000-7530-0000-200	Expense			☒ ☒	☒ ☒	No
☒ ☐ 01-000-7870-0000-100	Expense			☒ ☒	☒ ☒	No
☒ ☐ 01-000-7530-0000-100	Expense			☒ ☒	☒ ☒	No
☒ ☐ 01-420-7100-0000-000	Expense			☒ ☒	☒ ☒	No

Account Description

Operations-Balance Sheet-Utilities-No Sub Account-No Product

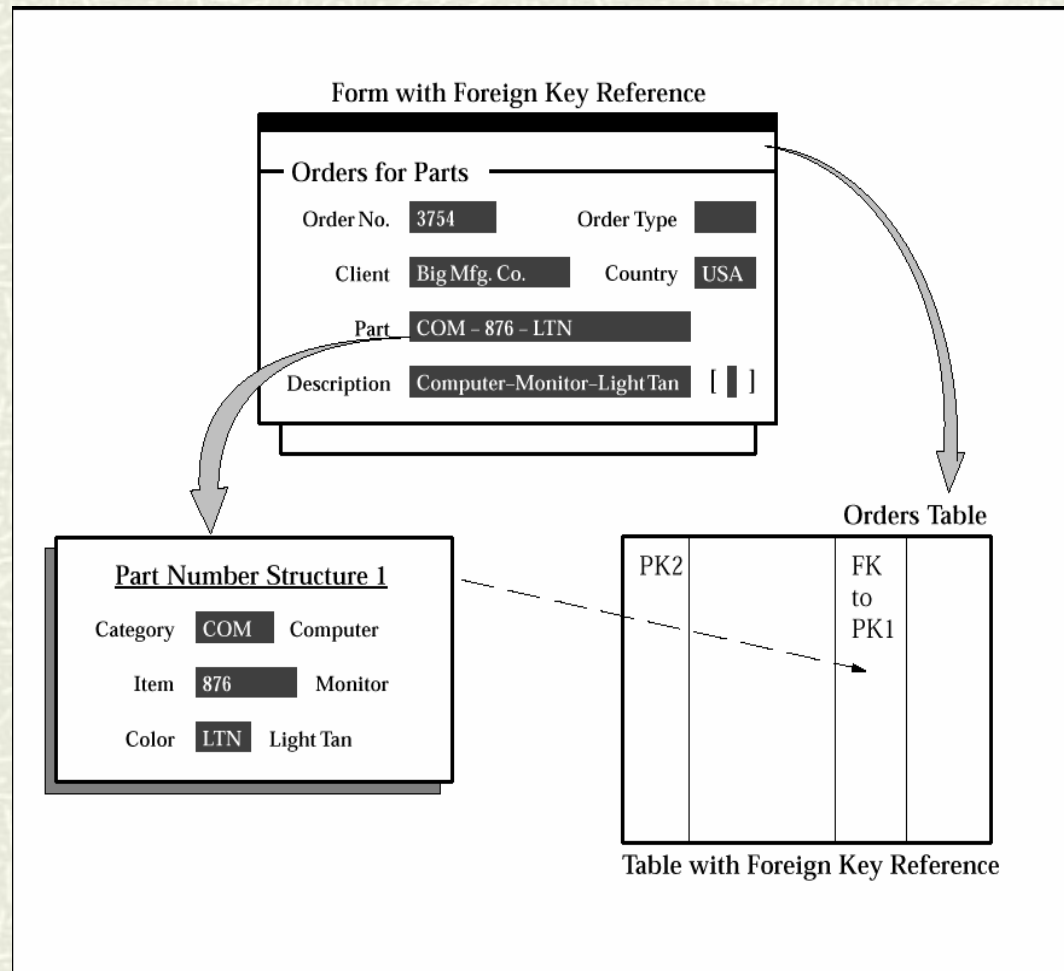
Record: 1/? <OSC> <DBG>

Combination Form

Key Flexfield Forms...

- **Foreign Key Form**

A form whose underlying base table has a foreign key reference to the Key flexfield combination table



Key Flexfield Forms...

Oracle Applications - Vision Corporation

File Edit View Folder Tools Window Help

Enter Journals (Vision Operations)

Journals (Vision Operations) - 104 M1 Inventory 340883: A

Journal: **MTL USD**

Period: **Aug-97** Effective Date: **08/31/1997**

Category: **MTL** Source: **Inventory**

Balance Type: **A** Document Number:

Tax: **Not Required**

Description: **30-SEP-98 M1 "**

Control Total:

Conversion

Currency: **USD**

Date: **08/31/1997**

Type: **User**

Rate: **1**

Line	Account	Debit (USD)	Credit (USD)	Description
1	01-000-1110-0000-000	0.00	0.00	Journal Import Creat
2	01-000-1410-0000-000	1,066,148.83	0.00	Journal Import Creat
3	01-000-1420-0000-000	310,015.35	0.00	Journal Import Creat
4	01-000-1430-0000-000	7,977.53	0.00	Journal Import Creat
5	01-000-1440-0000-000	401,180.77	0.00	Journal Import Creat
6	01-000-1450-0000-000	2,939.00	0.00	Journal Import Creat
		1,879,434.79	1,879,434.79	

Acct Desc: **Operations-Balance Sheet-Cash-No Sub Account-No Product**

More Details Change Currency... More Actions

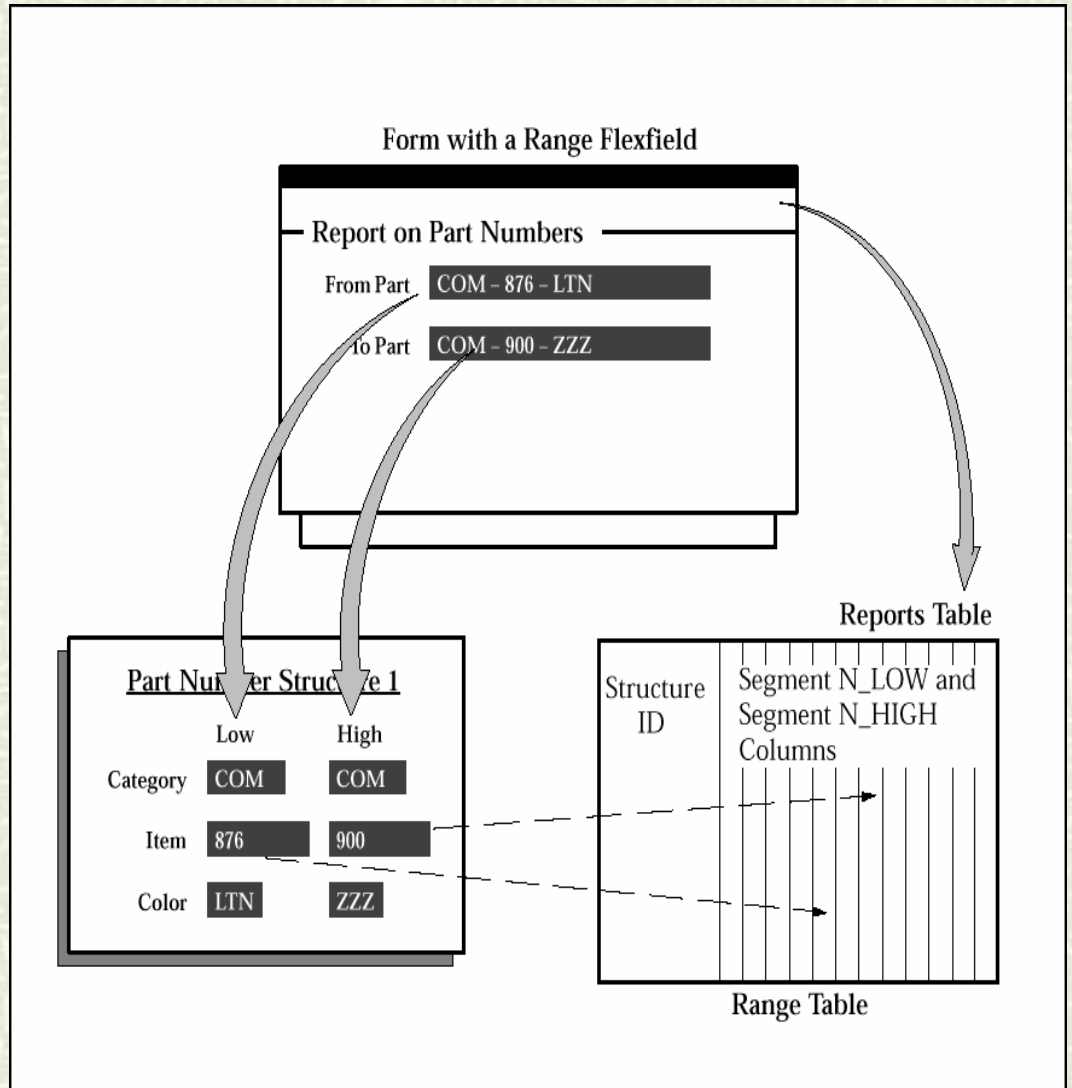
This batch has been posted.
ird: 1/1 <OSC> <DBG>

Foreign Key Form

Key Flexfield Forms...

- **Range Form**

Displays a range flexfield, which is a special pop-up window that contains two complete sets of key flexfield segments.



Key Flexfield Forms...

The screenshot displays the Oracle Applications Vision Corporation interface. The main window is titled 'Define Budget Organization (Vision Operations)'. It contains the following fields:

- Organization: **Operations**
- Description: **Budget Organizations are used to group a**
- Ordering Segment: **Account**
- Display Sequence: **3-1-2-4-5**
- Status: **Current**

Below these fields is a table titled 'Accounts' with columns: Line, Low, High, Type, and Currency. The table contains two rows:

Line	Low	High	Type	Currency
1	01-000-0000-0000-000	01-699-////-////-///	Entered	USD
20	01-760-7420-0000-000	01-760-7420-0000-000	Entered	USD

Overlaid on the bottom right is the 'Operations Accounting Flex' dialog box. It contains the following fields:

- Company: **01**
- Department: **000**
- Account: **0000**
- Sub-Account: **0000**
- Product: **000**

The dialog box also has 'Low' and 'High' columns for each field, with values: Company (01, 01), Department (000, 699), Account (0000, ////), Sub-Account (0000, ////), and Product (000, ///). At the bottom of the dialog are buttons: OK, Cancel, Clear, and Help.

The status bar at the bottom of the main window shows: List of Valu... <OSC> <DBG>

Range Form



Value Sets

Use value set to

- *Determine which values users can enter into flexfield segments*
- *Provide a list of valid values using list of values feature*

Oracle Applications - Vision Corporation

File Edit View Folder Tools Window Help

Value Sets

Value Set Name: **ABCUN Project Number**

Description: **Project Number**

☐ Security Available ☐ Enable Longlist

Format Validation

Format Type: **Char** Maximum Size: **30** Precision:

☐ Numbers Only (0-9)

☐ Uppercase Only (A-Z)

☐ Right-justify and Zero-fill Numbers (0001)

Min Value: Max Value:

Value Validation

Validation Type: **Table** **Edit Information**

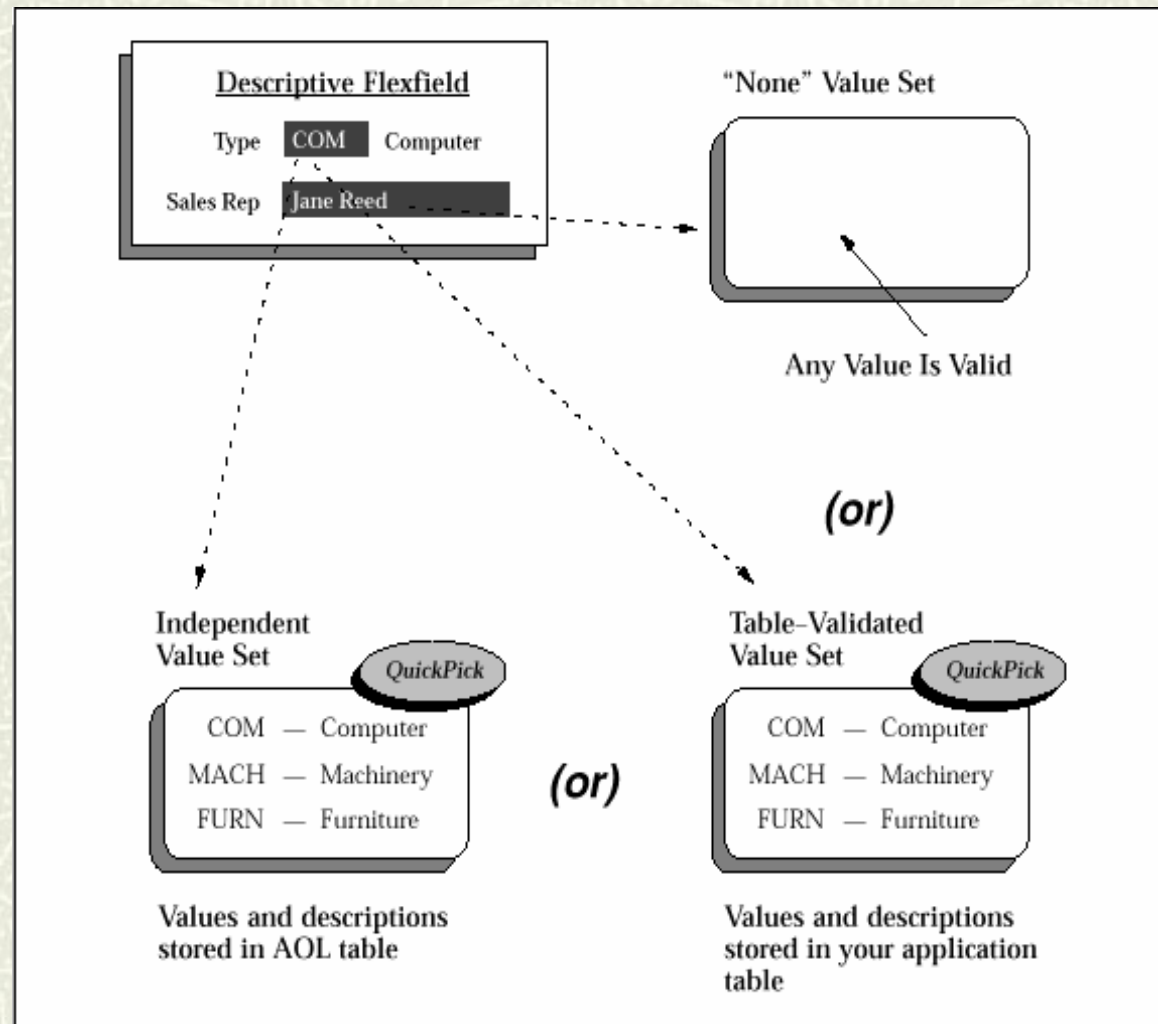
<OSC>

Validation Type for Value Set

- *None (not validated at all)*
- *Independent*
- *Dependent*
- *Table*
- *Special (advanced)*
- *Pair (advanced)*

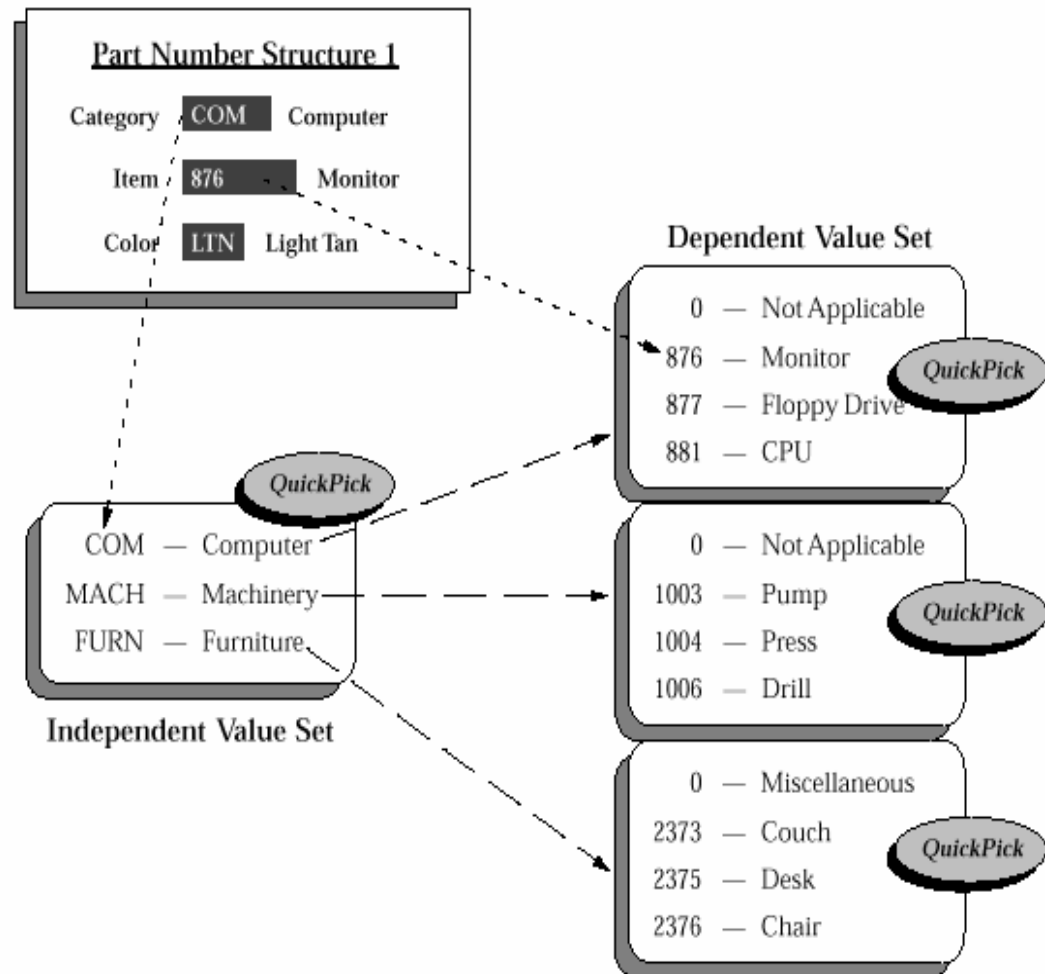
Validation Type for Value Set...

- **None**
- **Independent**
- **Table**



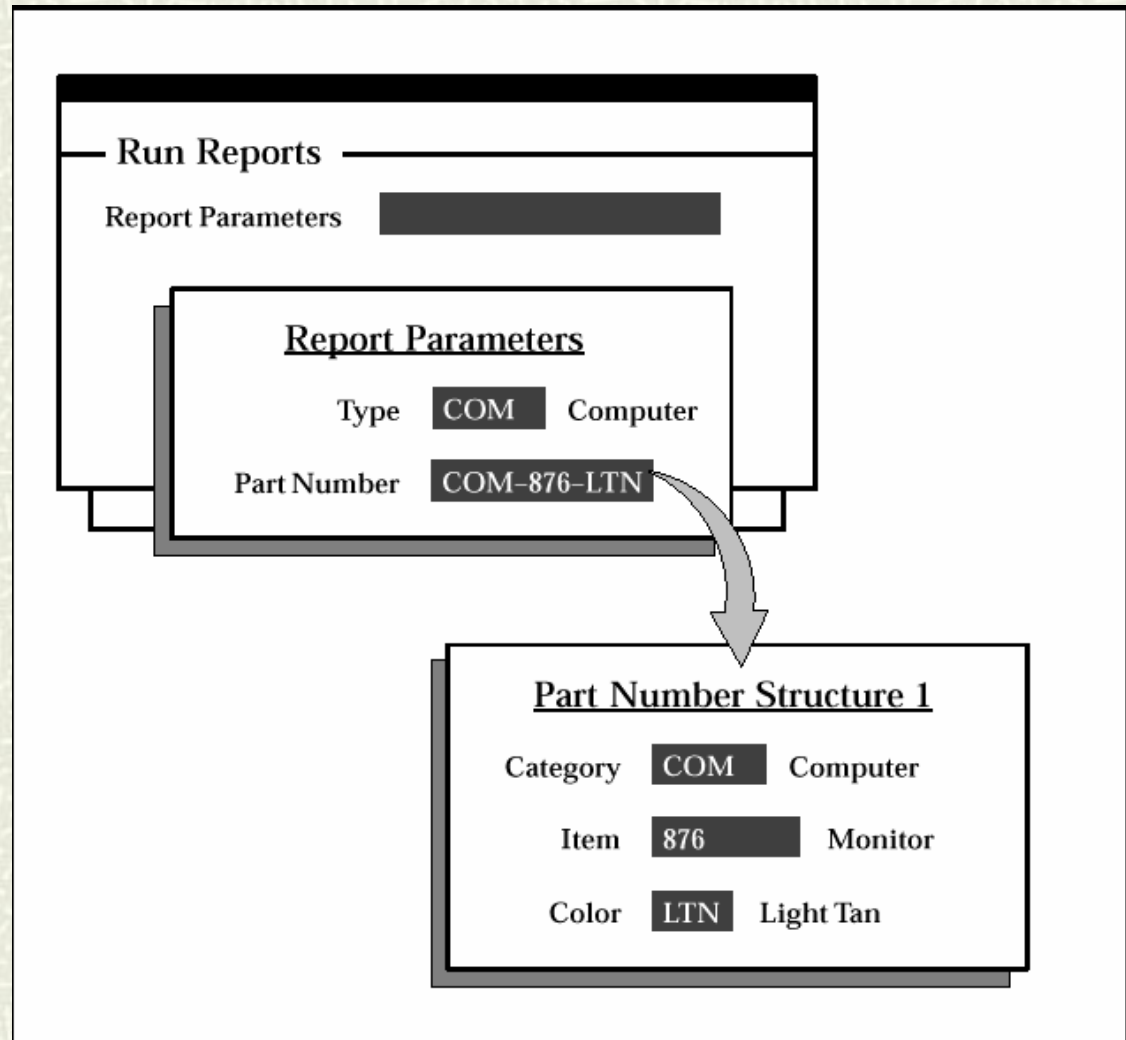
Validation Type for Value Set...

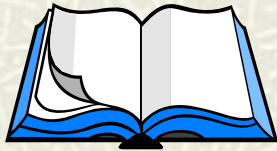
- **Dependent**



Validation Type for Value Set...

- *Special*
- *Pair*





Descriptive Flexfields

Descriptive Flexfield Terminology

Descriptive flexfield segments

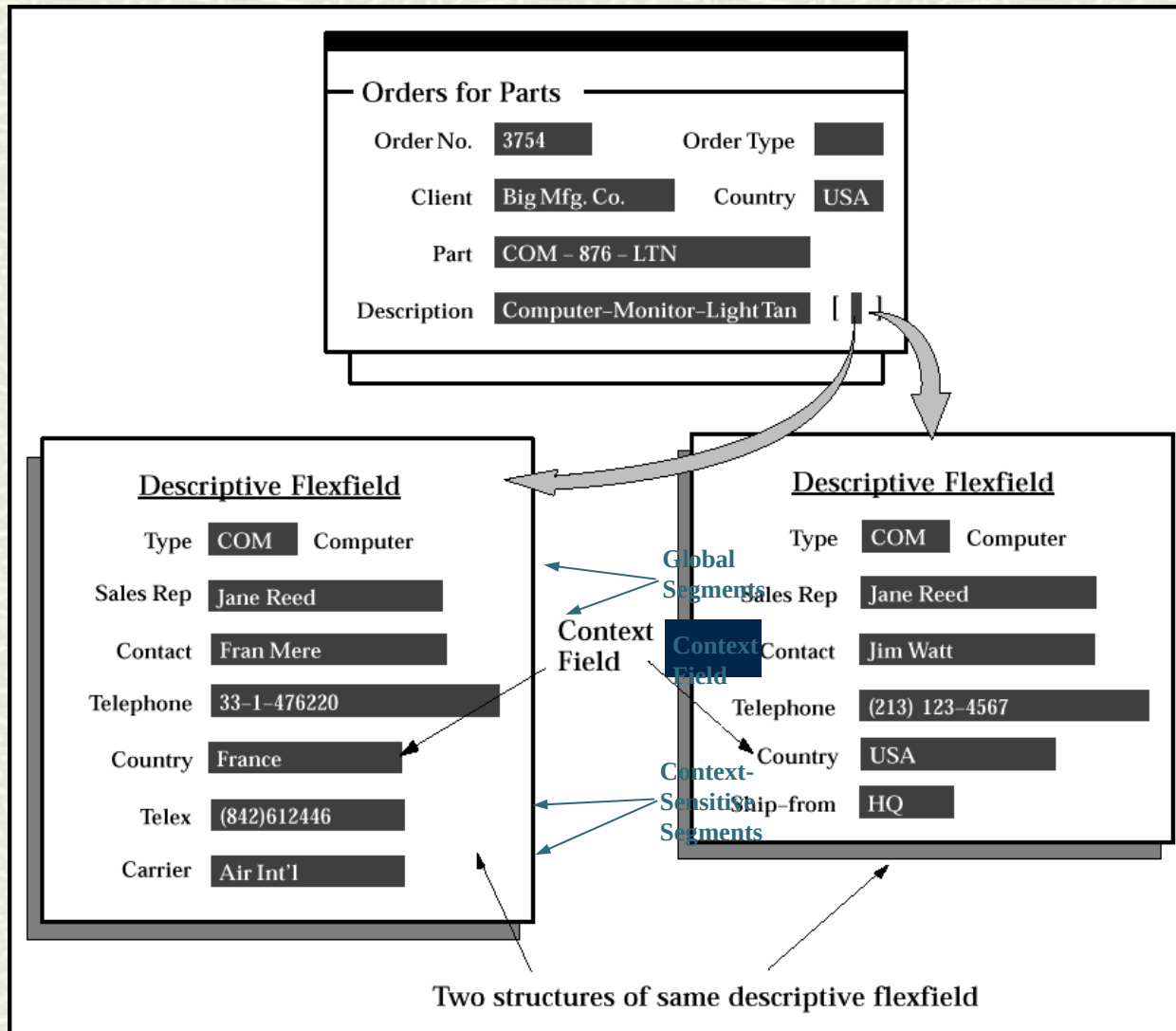
- Global segments

a segment that always appears in the descriptive flexfield pop-up window, regardless of context (any other information in your form).

- Context-sensitive segment

a segment that may or may not appear depending upon what other information is present in your form.

Descriptive Flexfield Terminology...



Implementing Descriptive Flexfields...

Define descriptive segments

- *Define value set for each of your segments*
- *define descriptive segments*
- *Navigate to “define descriptive segments values” form*
- *Enter valid values for the value sets corresponding to each segments.*



Profile Options

At the end of this lesson, you should be able to

- *Understand the utility of system and user profiles*
- *Set user profile at different level*
- *Define new user profile as and when required*

Profile Option

A set of changeable options that affects the way your application runs

- *System Profile Options*
- *Personal Profile Options*

System Profile Options

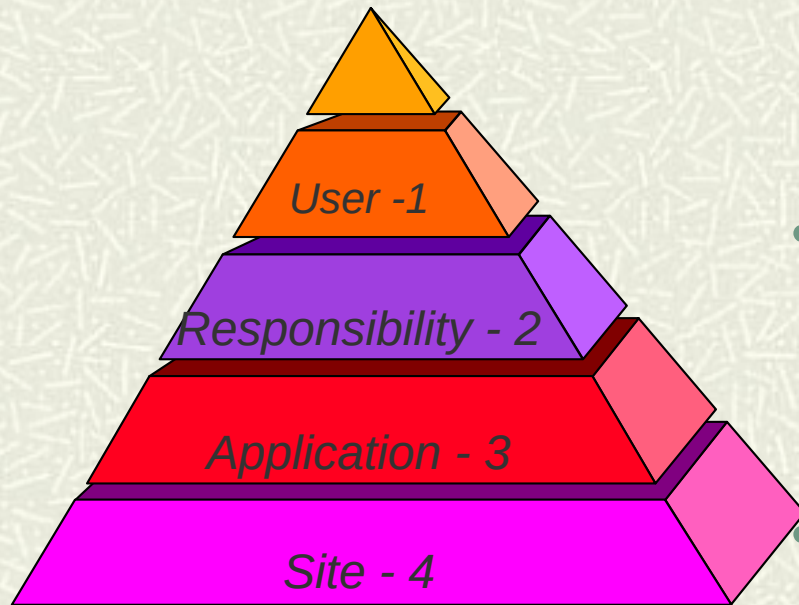
- *Set by the System administrator*
- *User can not access*
- *Any change in the system profile becomes effective only when the user logs on again or change responsibility*

Personal Profile Options

- *Set by the System Administrator*
- *User can change the option values*
- *Any changes become effective immediately*

Profile Options

User Profile Levels



Level Hierarchy

- A value set at the higher level overrides the one set at the lower level. “User” is the highest level.
- After implementation System Administrator sets the default profile values at the site level
- Option values are dynamically set at the run time

Profile Option Forms...

System Profile

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File Edit View Folder Tools Window Help

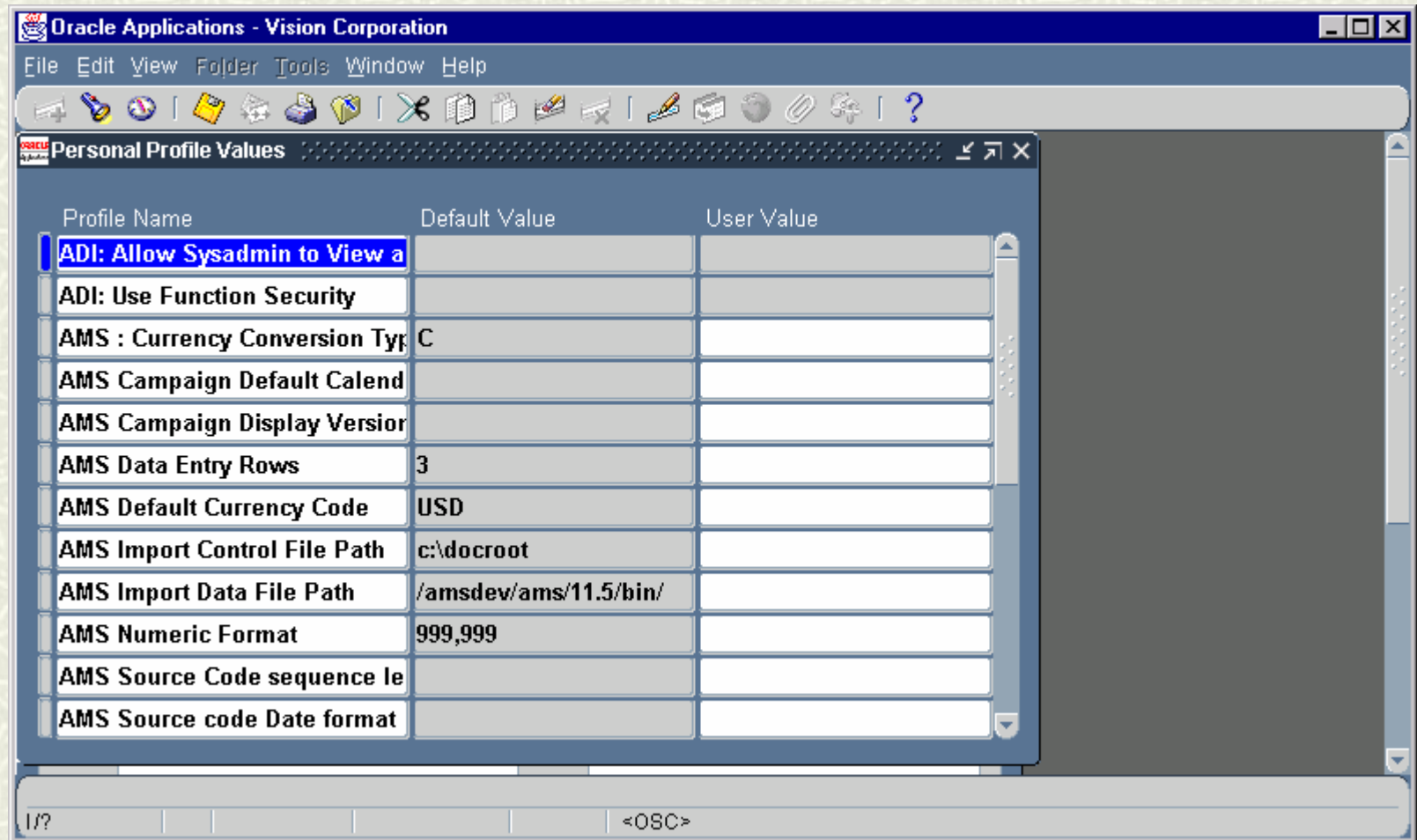
System Profile Values

Profile	Site	Application	Responsibility	User
ADI: Allow Sysadmin to View a				
ADI: Use Function Security				
AMS : Currency Conversion Typ	C			
AMS Campaign Default Calend				
AMS Campaign Display Versior				
AMS Data Entry Rows	3			
AMS Default Currency Code	USD			
AMS HZ Dedupe Rule	HZ_PERSON_IMPO			
AMS Import Control File Path	c:\docroot			
AMS Import Data File Path	/amsdev/ams/11.5/			

Record: 1/? List of Valu... <OSC>

User Profile Forms...

Personal Profile



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File Edit View Folder Tools Window Help

Personal Profile Values

Profile Name	Default Value	User Value
ADI: Allow Sysadmin to View a		
ADI: Use Function Security		
AMS : Currency Conversion Typ	C	
AMS Campaign Default Calend		
AMS Campaign Display Versior		
AMS Data Entry Rows	3	
AMS Default Currency Code	USD	
AMS Import Control File Path	c:\docroot	
AMS Import Data File Path	/amsdev/ams/11.5/bin/	
AMS Numeric Format	999,999	
AMS Source Code sequence le		
AMS Source code Date format		

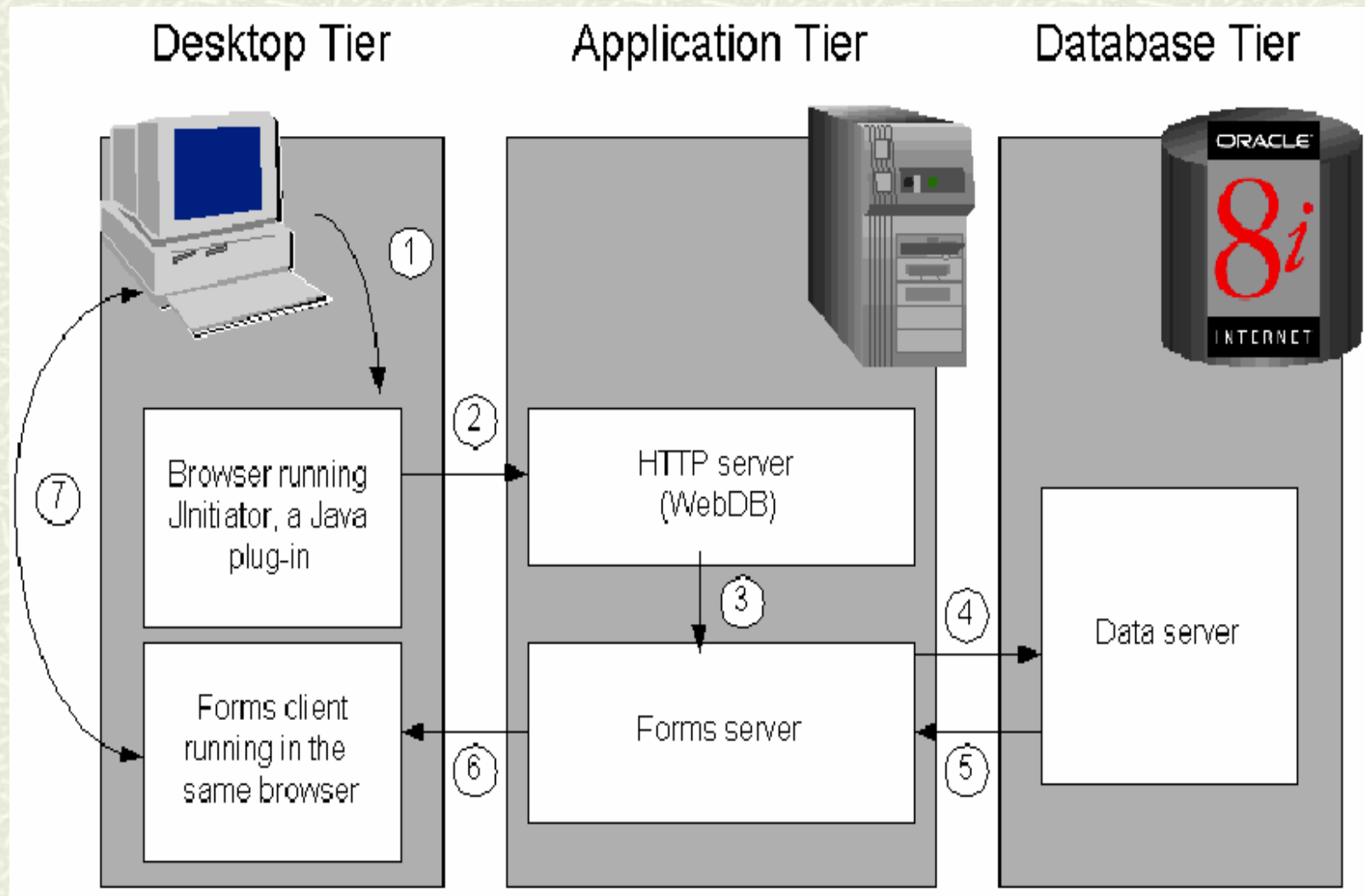
1/? <OSC>

**QUESTIONS
& ANSWERS**

Forms-based products

- The application tier software used in most ERP and CRM products is the Forms server.
- Forms client can display any Oracle Applications screen and provides field-level validation.
- Java enabled web browser manages the downloading, startup and execution of the forms client on the desktop.

Forms-based Architecture

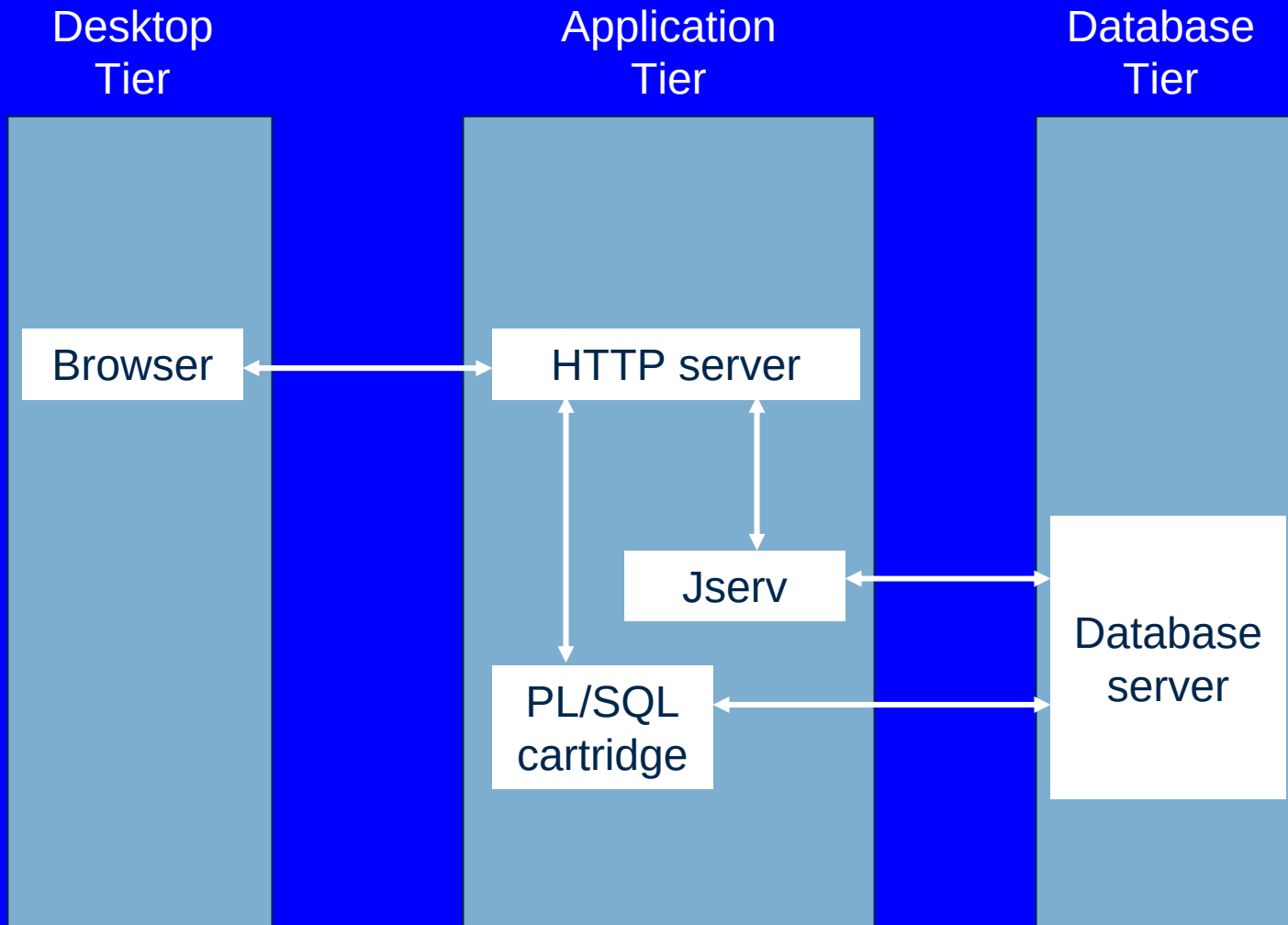


HTML-based Products

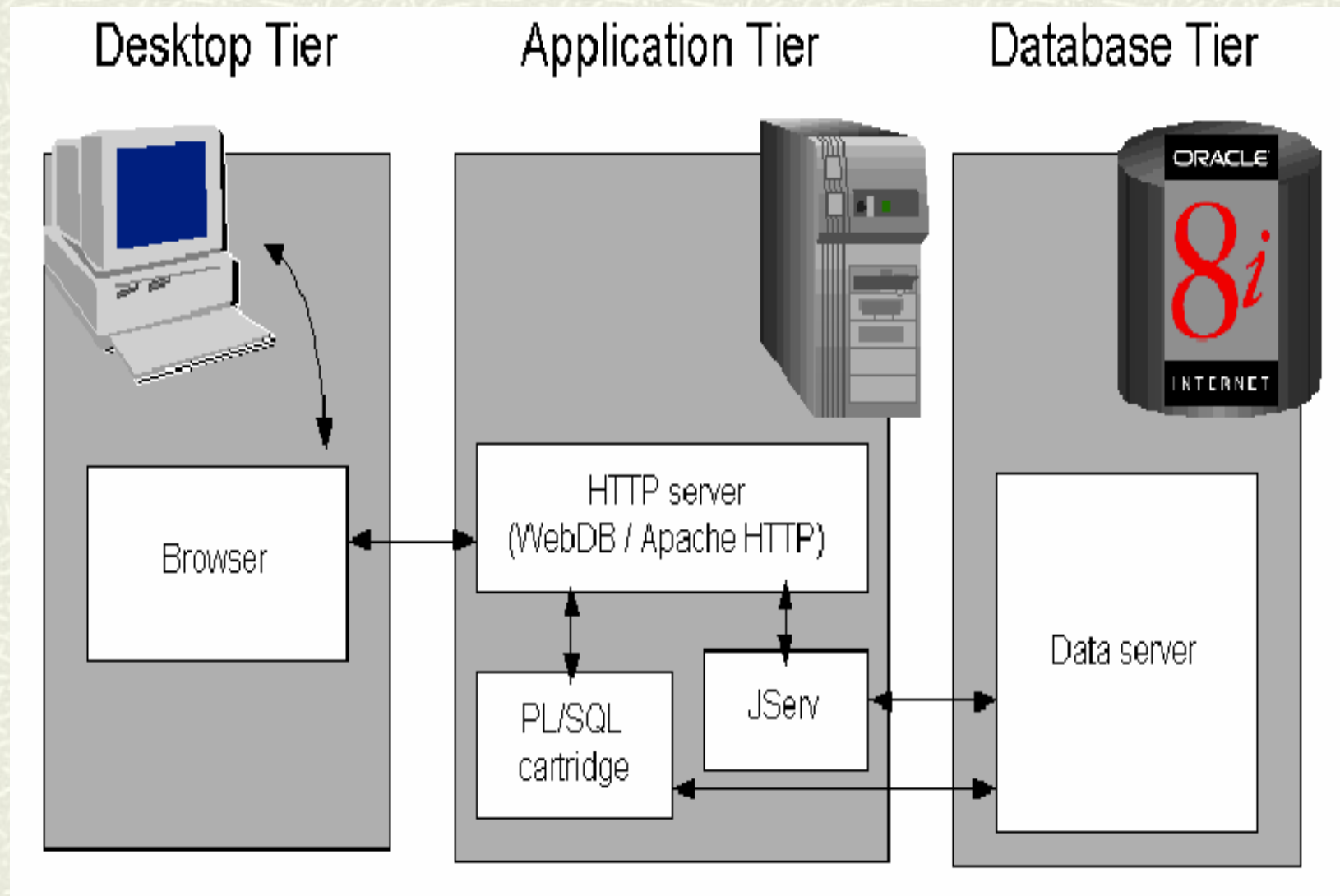
- Release 11i includes the products that are not Forms-based, such as the Oracle Self-Service Web Applications products, Oracle Workflow and Oracle Business Intelligence System (BIS)
- These products do not use Forms server or the Forms client, but rely on HTTP-based servers on the application tier and a Java-enabled Web browser on the desktop.

Architecture: HTML Based

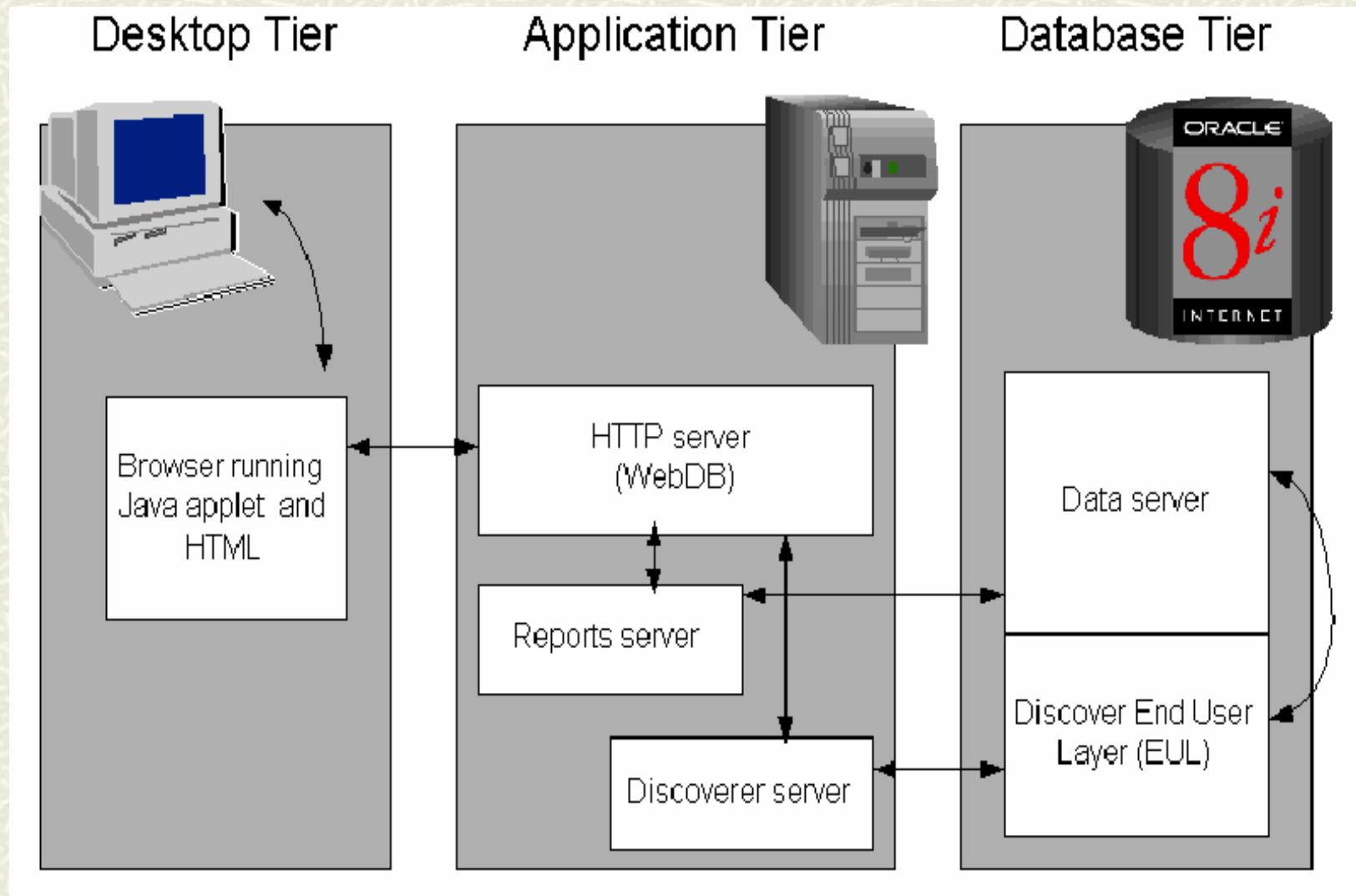
Architecture: HTML-based



Self-service and Workflow Architecture

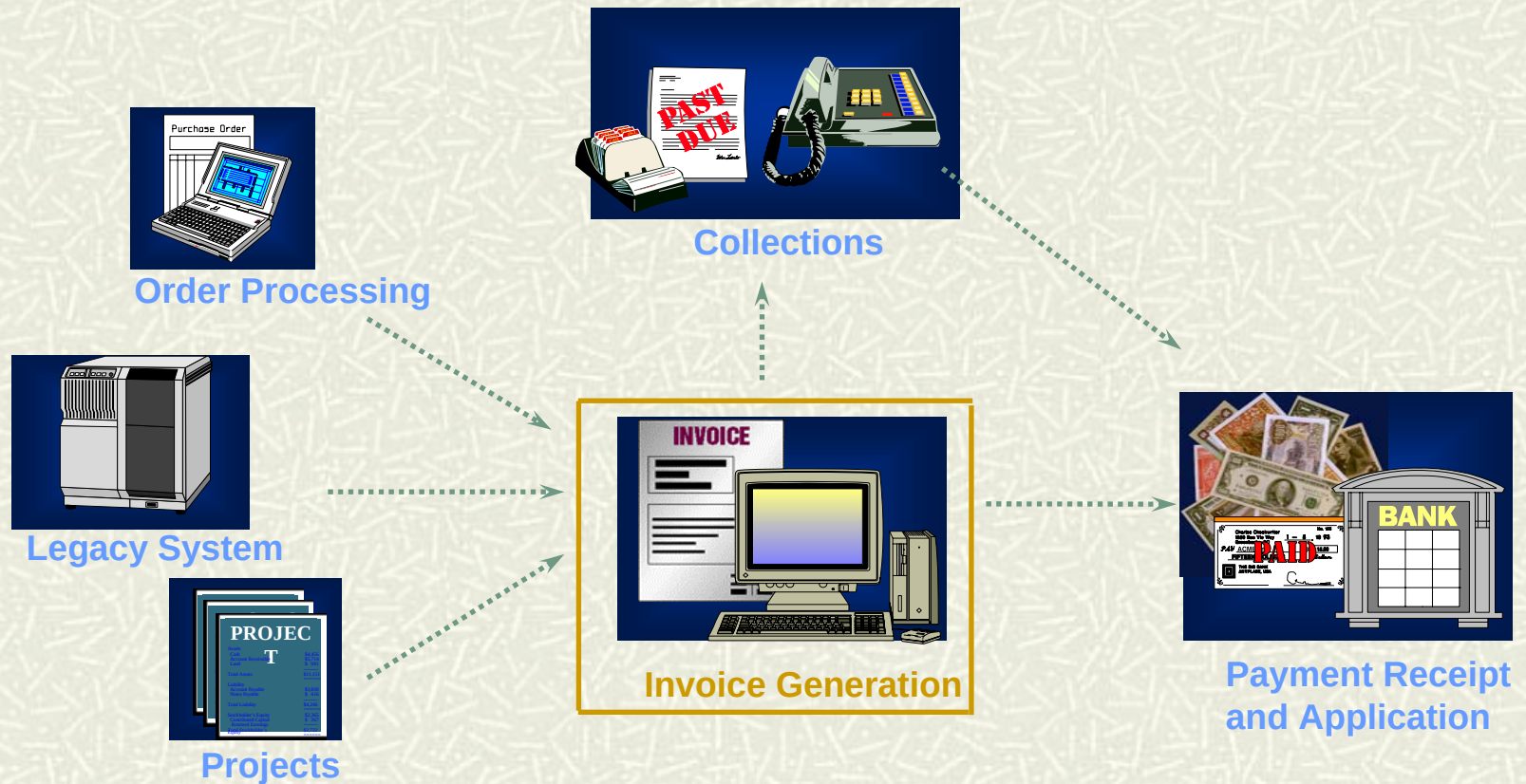


BIS Architecture



Example 2: Business Process Flow

Order to Cash



Value Set Options

Value Set Options		
Value Set Options	Format Options	Validation Type
Name	Format Type	Independent
Description	Maximum Length	Dependent
Security Available?	Precision	None
LongList Enabled?	Alphabetic Characters?	Table
	Uppercase Only?	Special
	Right-justify Zero-fill Numbers?	Pair
	Minimum Value	
	Maximum Value	

Value Set Type	QuickPick	Values Stored
Independent	Yes	AOL table
Dependent	Yes	AOL table
Table	Yes	Application Table
None	No	No
Special/ Pair	NA	Depends on value set

Relationship Between Independent and Dependent Values

Independent Value Set (Account Segment)		Dependent Value Set (Sub-Account Segment)	
Value	Description	Value	Description
01	Cash accounts	0	Default Value
		1	Bank of California
		2	Bank of Denver
		3	First Federal Bank
02	Equipment accounts	0	Misc equipment
		1	Computers
		2	Printers
		3	Delivery Vehicles
03	Other asset accounts	0	Default value

Independent/Dependent Value Sets

- *Create your independent value set first*
- *Create your dependent value set, specifying a default value*
- *Define your independent values*
- *Define your dependent values*

Independent/Dependent Value Sets...

Oracle Applications - Vision Corporation

File Edit View Folder Tools Window Help

Value Sets

Value Set Name: **Belgium_City**

Description: **Belgium City**

☐ Security Available ☐ Enable Longlist

Format Validation

Format Type: **Char** Maximum Size: **25** Precision:

☐ Numbers Only (0-9)

☐ Uppercase Only (A-Z)

☐ Right-justify

Min Value:

Value Validation

Validation Type: **Dependent**

+ Other

Dependent Value Set Information

Independent Value Set

Name: **Belgium_Postal_Code**

Description: **Belgium Postal Code**

Dependent Default Value

Value: **-**

Description: **No city**

List of Valu... <OSC> <DBG>

Table validated Value Sets

- *Create a validation table in your database*
- *Register your table with Oracle Application Object Library (as a table)*
- *Create the necessary grants and synonyms*
- *Define a value set that uses your validation table*
- *Define your flexfield structure to use that value set for a segment.*

Table validated Value Sets

Oracle Applications - Vision Corporation

File Edit View Folder Tools Window Help

Value Sets

Value Set Name: **ABCUN_ITEM_NUMBER**

Description: **ITEM ID value set for NATS reports**

☐ Security Available ☐ Enable Longlist

Format Validation

Format Type: **Char**

☐ Number ☐ Upper ☐ Right

Min Value:

Value Validation

Validation Type: **Table**

+ Other

Validation Table Information

Table Application: **Oracle Network Logistics NATS** Table Name: **CUN_ITEMS_V**

☐ Allow Parent Values

Table Columns

	Name	Type	Size
Value	INV_ITEM	Char	30
Meaning			
ID	ITEM_ID	Number	15

Where/Order By: **order by ITEM_ID**

Additional Columns:

<OSC> <DBG>

Different Arrangements of Segments

Global Segments Only



Global Segments	Yes
Context-sensitive Segments	No
Override Allowed	No
Reference Field	No
Default Context Value	OK

Descriptive Flexfield

Global Segment 1

Global Segment 2

Global Segment 3

Different Arrangements of Segments...

Context-sensitive Segments Only



Global Segments	No
Context-sensitive Segments	Yes
Override Allowed	No
Reference Field	No
Default Context Value	Yes

Descriptive Flexfield

Context-sensitive Segment 1



Context-sensitive Segment 2



Context-sensitive Segment 3



Different Arrangements of Segments...

Hybrid Structure



Global Segments	Yes
Context-sensitive Segments	Yes
Override Allowed	No
Reference Field	No
Default Context Value	Yes

Descriptive Flexfield

Global Segment 1

Global Segment 2

Context-sensitive Segment 1

Different Arrangements of Segments...



Global Segments	No
Context-sensitive Segments	Yes
Override Allowed	No
Reference Field	Yes
Default Context Value	OK

Descriptive Flexfield

Context-sensitive Segment 1

Context-sensitive Segment 2

Context-sensitive Segment 3

Descriptive Flexfield

Context-sensitive Segment 1

Descriptive Flexfield Terminology...

Descriptive flexfield segments...

- **Multiple Structure**
- **Reference field / Column**
- **Structure Column**

Descriptive Flexfield

Type **COM** Computer

Sales Rep **Jane Reed**

Contact **Fran Mere**

Telephone **33-1-476220**

Country **France**

Telex **(842)612446**

Carrier **Air Int'l**

France Structure

Descriptive Flexfield

Type **COM** Computer

Sales Rep **Jane Reed**

Contact **Jim Watt**

Telephone **(213) 123-4567**

Country **USA**

Ship-from **HQ**

USA Structure

Reference field column Structure column (context field) Descriptive flexfield segment columns

Orders Table

Other columns	Country	Structure	Attribute1	Attribute2	Attribute3	Attribute4	Attribute5	Attribute6
					Type (global)	Sales Rep (global)		
	France	France	Fran Mere	(842)612446	COM	Jane Reed	33-1-476220	Air Int'l
	USA	USA	Jim Watt		COM	Jane Reed	(213)123-4567	HQ

France Structure USA Structure



QUESTIONS & ANSWERS