



TEKsystems Global Services

Introduction Enterprise Applications

Technical Concepts

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Date of Presentation: 14-Aug-2020



Enterprise Application Architecture (3-Tier)

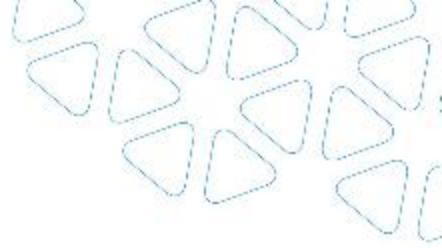


Data Tier

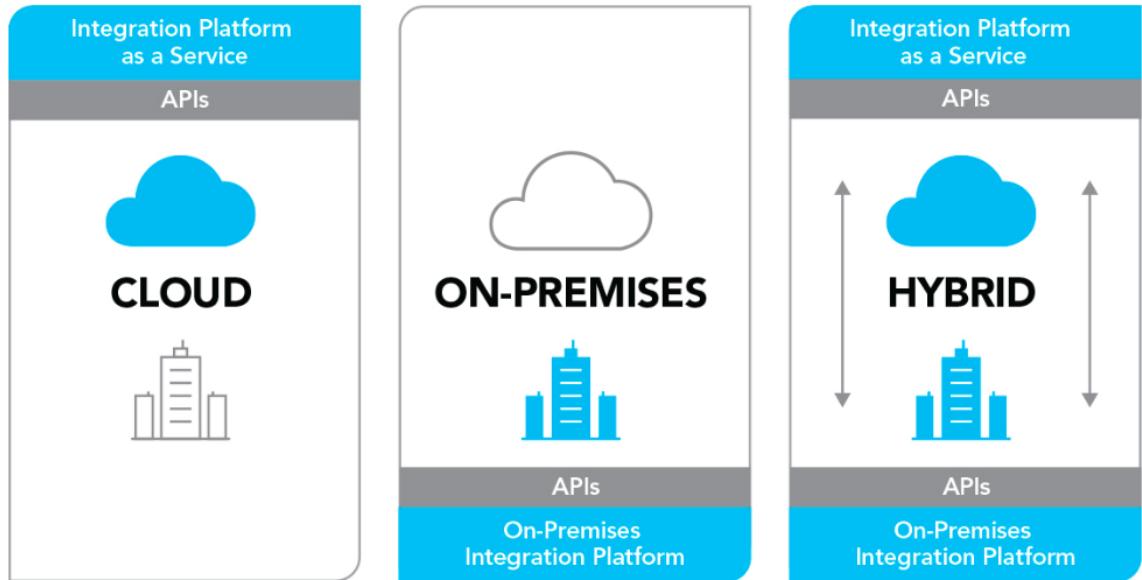
Application Tier

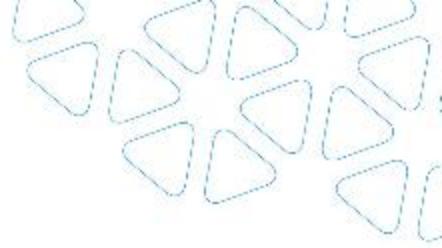
Presentation Tier



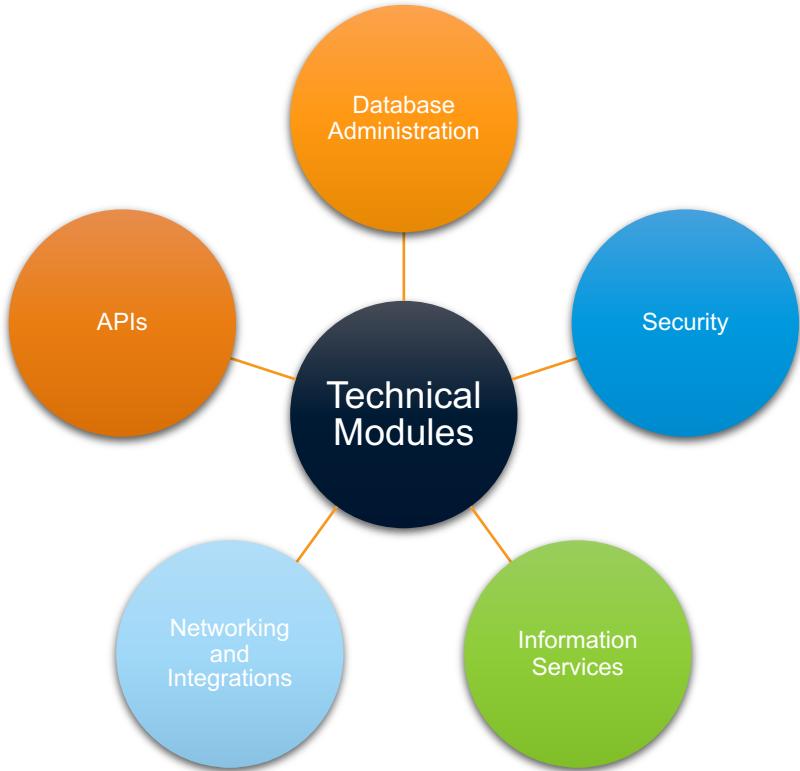


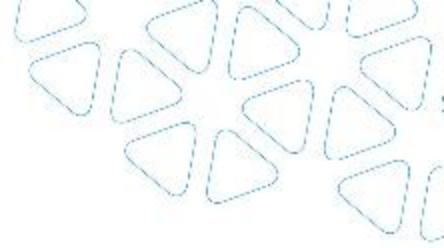
Types of EA Deployments



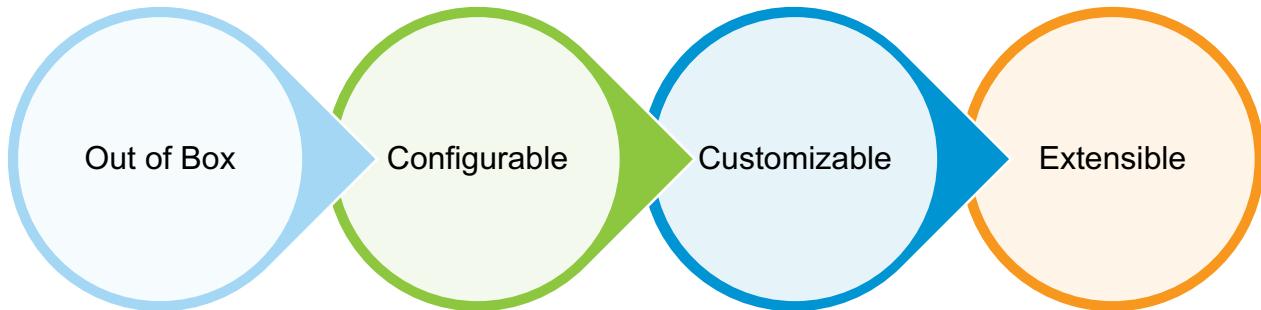


Technical Modules





Application Service Providers (ASP)



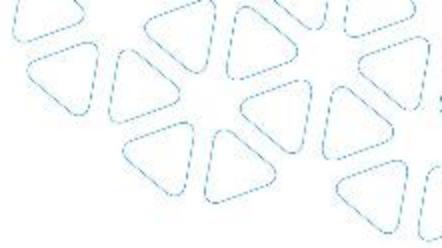
sales cloud



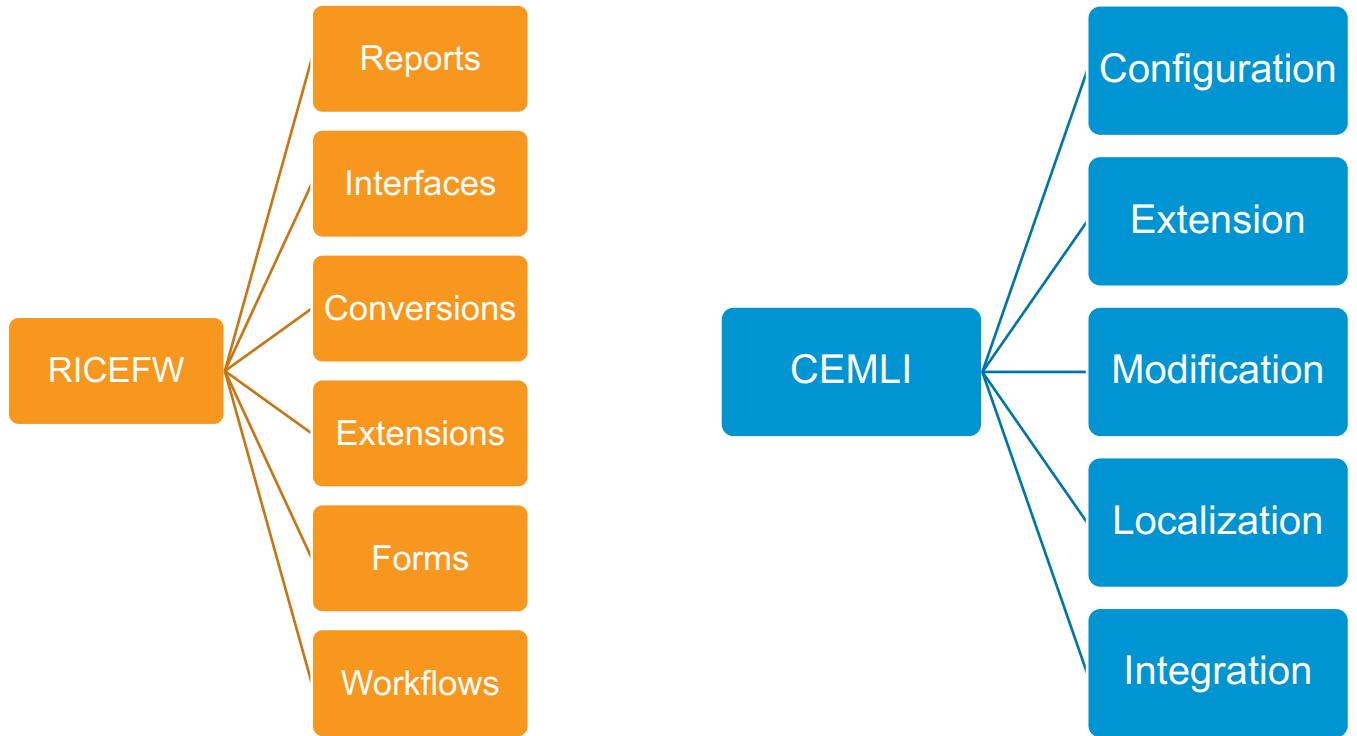
CPQ



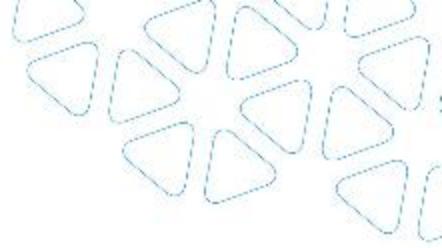
marketing cloud



Software Extension Frameworks



Reporting

A decorative graphic in the top right corner features a cluster of light blue triangles of various sizes overlapping each other.

Interactive
Grid

Interactive
Report

Classic
Report

Report
and Form



Reports: Interactive Grid

Interactive
Grid

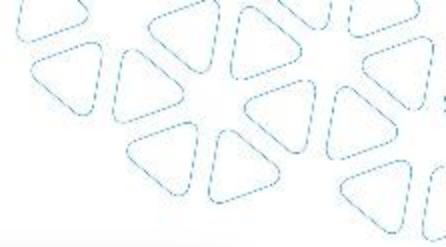
Search: All Text Columns Go Actions ▾ Edit **Save** Add Row Reset

	Status Id	Name	Description	Project Lead	Completed	Created	Updated
<input checked="" type="checkbox"/>	3	Configure Web Development ...	Determine the hard...	Lucille Beatie	03-DEC-2017	01-MAR-2018	01-MAR-2018
<input type="checkbox"/>	3	Develop New Reporting Apps	Develop apps to me...	Lucille Beatie	14-DEC-2017	01-MAR-2018	01-MAR-2018
<input type="checkbox"/>	3	Develop Legacy Applications	Move the data and r...	Miyazaki Yokoh...	-	01-MAR-2018	01-MAR-2018
<input type="checkbox"/>	3	Develop Partner Portal POC	Develop a proof of c...	Bernard Jackman	-	01-MAR-2018	01-MAR-2018
<input type="checkbox"/>	3	Develop Production Partner P...	Develop the product...	Lucille Beatie	-	01-MAR-2018	01-MAR-2018
<input type="checkbox"/>	3	Develop Customer Tracker Ap...	Develop an applicati...	Lucille Beatie	28-JAN-2018	01-MAR-2018	01-MAR-2018
<input type="checkbox"/>	3	Implement Customer Satisfact...	Implement an applic...	Bernard Jackman	28-JAN-2018	01-MAR-2018	01-MAR-2018
<input type="checkbox"/>	3	Improve IT Management Apps	Enhance apps to all...	Bernard Jackman	25-FEB-2018	01-MAR-2018	01-MAR-2018

Reports: Interactive Report

Interactive Report

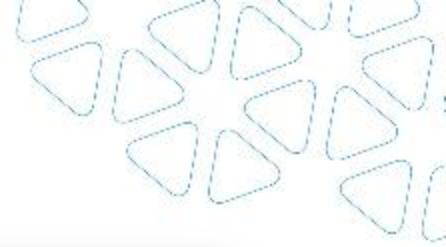
				Actions		
Status Id	Name	Description	Project Lead	Completed	Created	Updated
3	Configure Web Development Tool Environment	Determine the hardware required to develop with the new development tool.	Lucille Beatie	03-DEC-2017	01-MAR-2018	01-MAR-2018
3	Train Developers on Web development tool	Ensure all developers are comfortable developing with the new web development tool.	Lucille Beatie	14-DEC-2017	01-MAR-2018	01-MAR-2018
2	Migrate Legacy Applications	Move the data and relevant applications currently running on legacy servers to the new environment.	Miyazaki Yokohama	-	01-MAR-2018	01-MAR-2018
2	Develop Partner Portal POC	Develop a proof of concept that partners can use to work more closely with us.	Bernard Jackman	-	01-MAR-2018	01-MAR-2018
1	Develop Production Partner Portal	Develop the production version of the partner portal that partners can use to work more closely with us.	Lucille Beatie	-	01-MAR-2018	01-MAR-2018



Reports: Classic Report

Classic Report

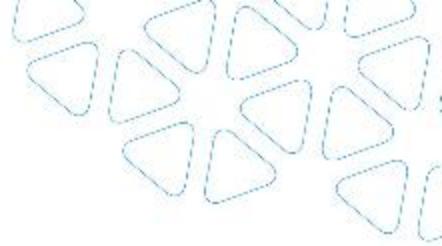
Status Id	Name	Description	Project Lead	Budget	Completed	Created	Updated
3	Configure Web Development Tool Environment	Determine the hardware and software required to develop with Web development tool.	Lucille Beatie	5000	03-DEC-2017	01-MAR-2018	01-MAR-2018
3	Train Developers on Web development tool	Ensure all developers who will be developing with the new tool get the appropriate training.	Lucille Beatie	20000	14-DEC-2017	01-MAR-2018	01-MAR-2018
2	Migrate Legacy Applications	Move the data and redevelop the applications currently running on top of legacy servers	Miyazaki Yokohama	38000		01-MAR-2018	01-MAR-2018
2	Develop Partner Portal POC	Develop a proof of concept that partners can use to work more collaboratively with us.	Bernard Jackman	25000		01-MAR-2018	01-MAR-2018
1	Develop Production Partner Portal	Develop the production app that partners can use to work more collaboratively with us.	Lucille Beatie	85000		01-MAR-2018	01-MAR-2018
3	Develop New Reporting Apps	Develop apps to meet C Level reporting requirements.	Lucille Beatie	15000	28-DEC-2017	01-MAR-2018	01-MAR-2018



Reports: Report and Form

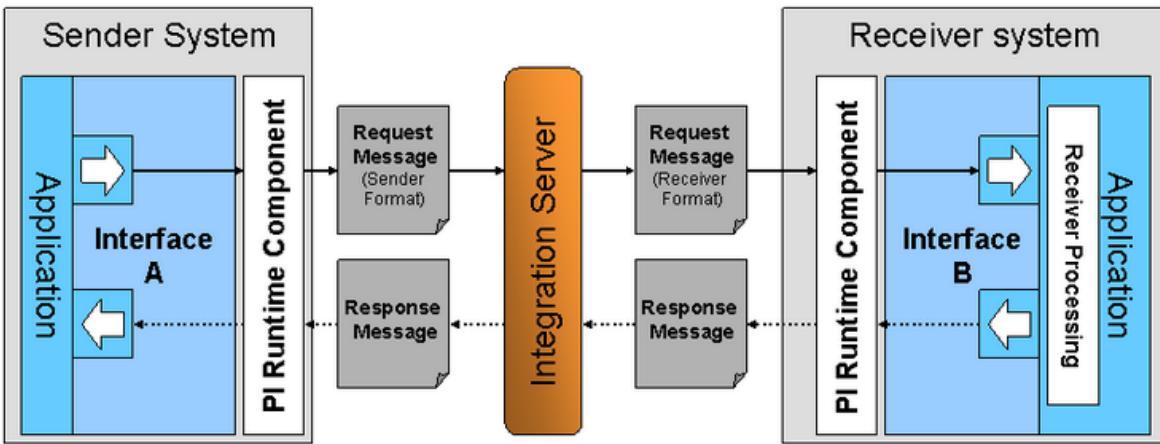
Report
and Form

Actions		Q ▾		Go	Actions ▾		Create			
Status Id	Name	Description	Columns	Project Lead	Completed	Created	Updated			
3	Configure Web Development Tool Environment	Determine the requirements required to develop a new web development tool.	Filter Data and so > Format >	Lucille Beatie	03-DEC-2017	01-MAR-2018	01-MAR-2018			
3	Train Developers on Web development tool	Ensure all developers with the new tool will be developing using the appropriate training.	Chart Group By	Lucille Beatie	14-DEC-2017	01-MAR-2018	01-MAR-2018			
2	Migrate Legacy Applications	Move the data currently running on legacy applications to new servers.	Pivot Report >	Miyazaki Yokohama	-	01-MAR-2018	01-MAR-2018			
2	Develop Partner Portal POC	Develop a partner portal use to work with us.	Download > Help	Bernard Jackman	-	01-MAR-2018	01-MAR-2018			
1	Develop Production Partner Portal	Develop the production app that partners can use to work more collaboratively with us.	Help	Lucille Beatie	-	01-MAR-2018	01-MAR-2018			
3	Develop New Reporting Apps	Develop apps to meet C Level reporting requirements.		Lucille Beatie	28-DEC-2017	01-MAR-2018	01-MAR-2018			



Interface

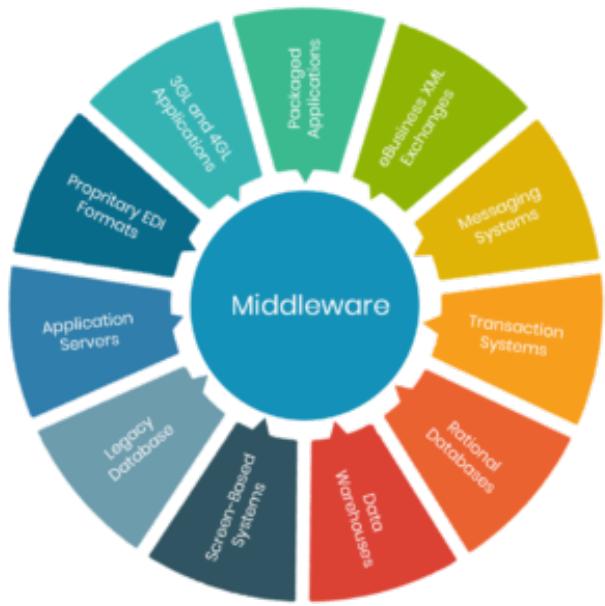
- An **interface** is where two or more separate software products communicate under limited capacity.
- Fully **integrated** system means that the products are one.



Current Parameters of Interfaces:

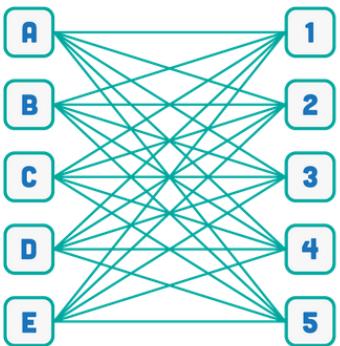
- | | |
|---|--|
|  | Parameters Transferred to Interface (Corresponds to Request Message) |
|  | Parameters Returned by Interface (Corresponds to Response Message) |

Interface: Middleware

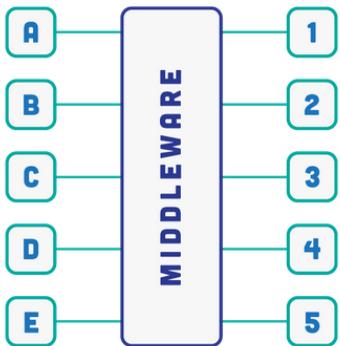


Middleware is the **software** that connects **software** components or enterprise applications. It is the **software** layer that lies between the operating system and the applications on each side of a distributed computer network

WITHOUT MIDDLEWARE

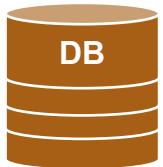


WITH MIDDLEWARE

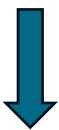


Interface: Types

Inbound

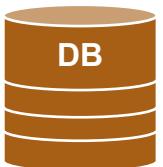


Legacy EA



Org's EA

Outbound

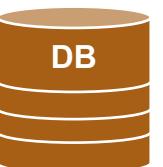


Legacy EA



Org's EA

Two-Way

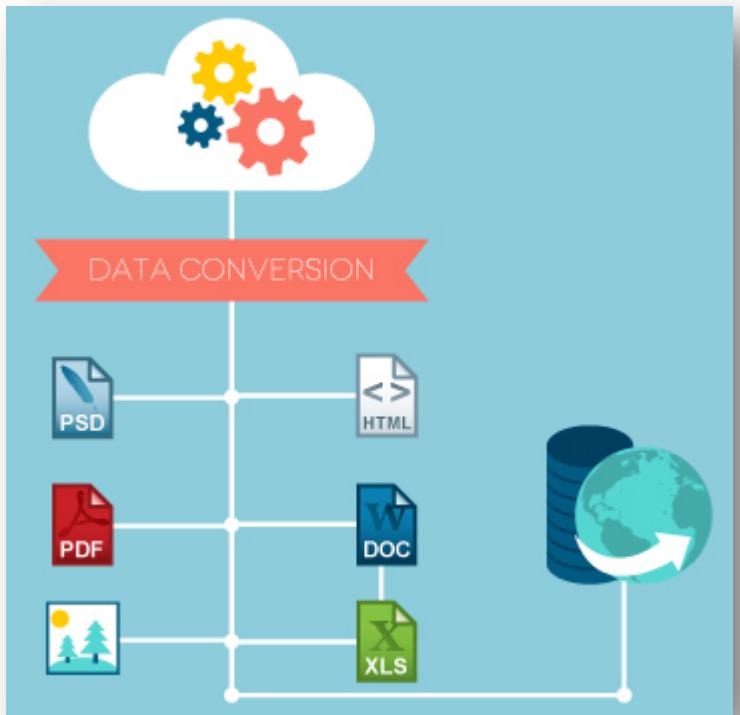


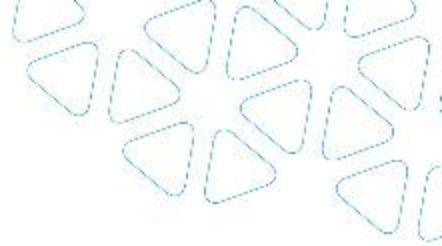
Legacy EA



Org's EA

Conversions vs Data Migration





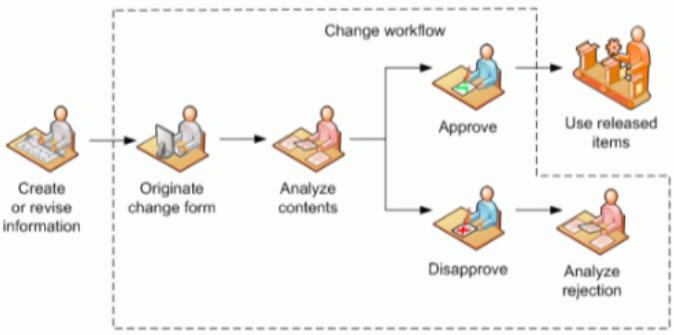
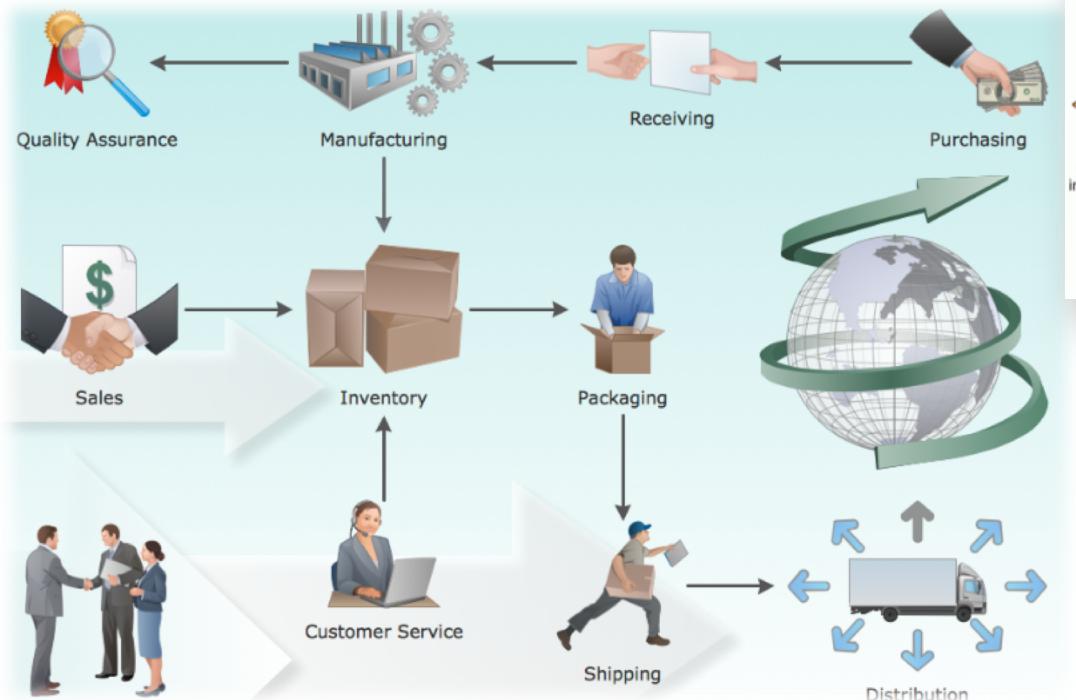
Extensions: Customization vs Extension

A **software extension** is a type of **computer program** that is meant to extend (add on to) what another **computer program** (called the **base program**) is able to do. Usually, it has some more instructions that the base **program** does not have. Either the base **program** or the **extension** can tell those instructions to run.



Customization means **optimizing the existing applications according to the user's requirements and expectations**. Despite the diverse spectrum, the software market often is not able to meet the demands of all varieties of modern management and business processes.

Workflows



A workflow consists of an orchestrated and repeatable pattern of activity, enabled by the systematic organization of resources into processes that transform materials, provide services, or process information. It can be depicted as a sequence of operations, the work of a person or group, the work of an organization of staff, or one or more simple or complex mechanisms.



THANK YOU

