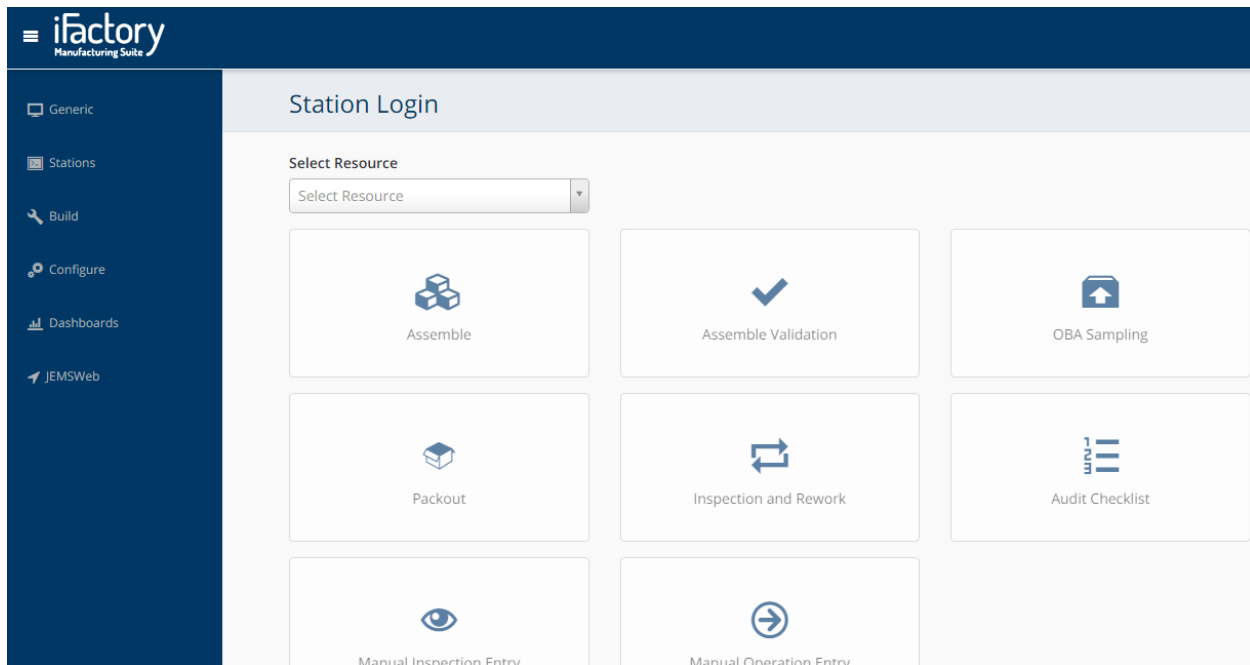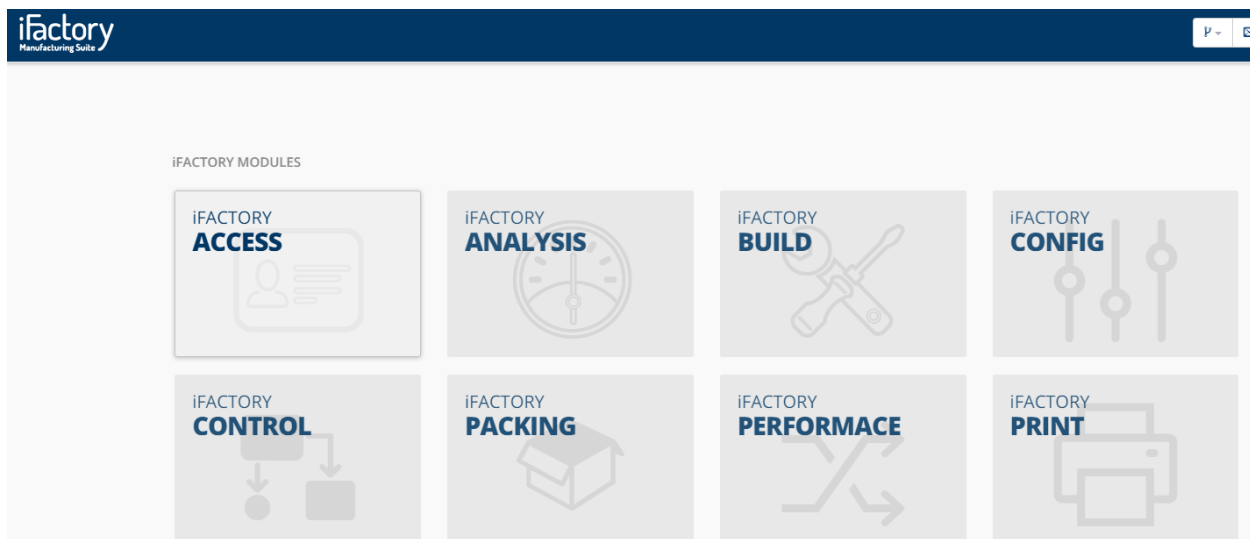# iFactory 4.1 release notes

System improvement

- Improved user interface with new GUI style, to provide modern style and easy to be used.

- New Landing page to access application module

- User validation based only on windows password

- Application localized supporting any Unicode language
- New system architecture based on web api middle tier and AngularJS frontend, providing better scalability and performance.

Suggested browser: Chrome

Supported browser: (but with possible layout issue): Internet Explorer 11

High level features:
Configuration

Functionality	Brief description
Assemble Point	Configure what and where to assemble specific materials for a product, data collection, assembly sequence and assemble validation
Assembly Configuration	Create, view, update, copy and delete Assembly Number Create Assembly Number wuth Customer / Division, BOM, Validity Dates, Assembly Revision, Assembly Version, Assembly Description. Assign Panel Type to Assembly Number
Attribue Assignment	Configure what WIP Attribute to collect and the sequence of the WIP Attribute Assignment at which Route Step by Material / Prod Family / Customer Configure the Attribute Type as Prompt, Constant or List
Container Reprocessing	Set Container to Closed for Container is packed or shipped. Resend Handling Unit message to SAP
Container Type	Configure Next Number, Usage Type (Box / Pallet) to generate a container Configure allowed materials / containers to pack to a container Set Min Capacity and Max Capacity for a material to pack to a container
Document	Configure Loftware Definition File Configure Print Engine - File generation, Loftware or SSRS Configure Information to print for Serialized Material, WIP, Container, Assembled Item and Order

Document Assignment	Configure print trigger, print quantity and print sequence of documents. Configure what to print at assigned route step
Document Generation	Load any document to print immediately by enter or overwrite the document printing value
Document Reprint	Reprint document that is previously printed
Failure Label Maintenance	Predefined Failure Label to display at MTE
Material Group	Assign Material Group to a Customer/Division. Cannot change customer/division if the material group is associated with material
Material Serialization	Birth Serialized Materials with Assigned Serial Number method Birth Serialized Materials with Generate Serial Number method Preview Serial Numbers to be generated for Generate Serial Number method Print labels for Generate Serial number method Collect data using Data Collection that will be incorporated to the Serial Number
Next Number	Create, View, Update and Delete Next Number. Update is limited to the "Is Active" check box and Description field if the Next Number has been used to generate next number sequence Generate and preview the next numbers in Sequence Generator tab Modify the last issued next number using "Current Increments". Only applicable if the Segment Type has "Partition On Change" enabled. Create Consignment list where user can upload a predefined Serial Numbers for the Next Number. Instead of generating new Next Number, system will obtained the uploaded Serial Number to be assigned to the WIP. User can upload Serial Number to be used by specific Assembly Number/Revision/Version or for use by any Assembly that uses the Next Number. The Next Number cannot be deleted once consigned serial numbers are uploaded.
Order Conversion	Convert Planned Order to Production Order and vice versa Convert Non Order WIP to Planned Order and vice versa Convert Non Order WIP to Production Order and vice versa
Panel Type	Create, View, Update and Delete Panel Type. Define Panel Rows, Column and Side. Define Barcode options to a Panel
UPD	Create, view, update and delete unique data Preview unique data sequence by block Assign material(s) that requires unique data reservation Upload UPD Values in text file Configure UPD Assignment type as "User Assigned" or "Auto Select from List"

Functionality	Brief description
WIP maintenance	Administor WIP changes to BOMs,Assembly Revisions, Batch and in-queue route steps Manually maintain WIP Attributes View audit log related to WIP changes.

Wip Release & Tracking

Functionality	Brief description
WIP Release By Production Order	WIP Release by Production Order by selecting the order in an initial route step in Generic Workstation.
WIP Release By Planned Order	WIP Release by Planned Order in Jemsweb Planned Order Maintenance
Orderless WIP Release	WIP Release by Planned Order in Jemsweb Planned Order Maintenance by selecting "Release Without Order"
Assembly WIP Release	Perform WIP release for assemblies in iFactory WIP Release - Assembly
Manual Operation Entry	New workstation able to move WIP to a step without a specific operation (equivalent of MES manual WIP)

Packout

Functionality	Brief description
Planned Order Packout	Pack materials that belongs to the same Planned Order to a Container
WIP Packout	Pack orderless WIP (Serial Number) to a Container
Production Order Packout	Pack materials that belongs to the same Production Order to a Container
Pick & Pack	Pack Completed WIP, Serialized Material or Unserialized Material to a Production Order. Initial Route Step must be Production Order Packout

Part Allocation

Functionality	Brief description
Config - Feeder/Tray	Create new feeder or tray
Config - GRN	Create new GRN with qty, lot code, etc.
Config - Split GRN	Possibility to split GRN creating a new one or associate it to an existing one
Config - Block GRN	Block a GRN by Assembly, Family, Route, Batch or all of them
Config - GRN Restriction	Restrict GRN usage only for selected Setup Sheet, Equipment, Manual Station

Config - GRN Association	Associate GRN to a feeder
Config - GRN Storage Manager	TSM Componente (MSD) - open and close the bag
Config - GRN Bag&Bake Details	History of bake process amd open/close bag for specific GRN (TSM component)
Config - GRN Bake In & Out	Start and complete the bake process for GRN (TSM Component)
PA - Equipment Part Allocation	Screen to allocate materials' GRN on equipment based on setup sheet. Association made by GRN, Feeder, Tray - Install/Clear/Remove table options available - x-out option available
PA - Preload	Create Preload based on setup sheet ID
PA - Manual Station Part Allocation	Screen to allocate materials' GRN on Manual Station based on setup sheet. Association made by GRN
SS - Equipment Setup Sheet	Screen to create new setup sheet for equipment - Configuration & details available - (Tooling and Data Collection almost complete) - Copy setup - Assign Deviation
SS - Manual Station Setup Sheet	Screen to create new setup sheet for Manual Station - Configuration & details available - (Tooling and Data Collection almost complete) - Copy setup - Assign Deviation
SS - Validate	Screen to validate a setup sheets *** only selection is available, validation ongoing ***

Quality

Functionality	Brief description
I&R - Passing a WIP	User is able to pass Inspection in I&R by clicking Start & Complete for a WIP without any open Failure or Defect
I&R - Entering Defects	-User is able to enter defect for Failure detected from Manual Test. -User is able to enter defect directly (without a failure from Manual Test). This is where system creates a System Generated Failure Label for the defect - Defect location can be entered using CRD, Assembled Item or BOM Item
I&R - Entering Rework	User is able to enter a rework activity to close the defect
I&R - Start WIP by scanning child WIP SN	Able to start a WIP in I&R by scanning a child WIP that was assembled to it
I&R - Auto Close defect	Defects entered can be auto-closed without rework if the defect is configured as an auto-closing defect

I&R - Visual Aid	Visual Aid if configured will be displayed in I&R station when user starts the WIP
I&R - Data Collection	Data Collection if configured will be displayed in I&R station when user starts the WIP. Depending on Data Collection configuration, a data collection that does not match the expected answer can fail the inspection operation in I&R
Manual Test - Pass a WIP	User is able to Pass the WIP without entering any failure label in Manual Test
Manual Test - Entering Failure Label	User is able to enter a Failure label to fail the WIP in Manual Test
Manual Test - Retest Failure	Allow to retest at MTE only if Retest on Failure = True Auto Assign "No Analysis" Defect to Open Failure during retest.
MIE- Pass a WIP	User is able to Pass the WIP without entering any defect in Manual Inspection Entry
MIE - Entering Defects	User is able to enter a defect to fail the WIP in MIE
MIE - Batch Mode	Able to Pass / Fail WIP in a Batch Mode by following the first WIP status in the Batch Mode.

Order Management

Functionality	Brief description
SO Attr | Display Production Order Line item Attribute	View all the Production Order Line Item attributes within the Production Order Detail
SO Attr | Receive Juniper SO Attributes in Prod Ord.	Receive information sent from a Customer via Sales Order in the Production Order for Shop Floor
Prod Order Mgt 2.0 | Assign Order to Route	ability to assign production orders to route
Prod Order Mgt 2.0 | Visual indicator for order exceeded due date	Have an indicator on incomplete orders that had passed their due date
Prod Order Mgt 2.0 | Filter Orders	The option to filter orders using one or a combination of fields
Prod Order Mgt 2.0 | Order Sequence	the default view of orders to be arranged by highest to lowest priority
Prod Order Mgt 2.0 | Default Data Load	View only the Production Orders that matters every time the Production Order Management screen is accessed.
Prod Order Mgt 2.0 | Screen display	System to always display specific information related to the production order
Planned Order view - Holds tab	Detailed view of holds for issue mitigation
Hold - Place on hold a planned order	Allow a hold which prevents the production of affected order
Hold - Place on hold a planned order	Release planned order from Hold