

Tab

- Manufacturing Routing
- Operations
- Product
- Tools
- Next Operation

Manufacturing Routing

The screenshot shows the 'Manufacturing Routing' form in the Konnect Analytics application. The form is divided into several sections: 'Data requested', 'General', and 'Simulation'. The 'Data requested' section includes fields for Workflow Type (Manufacturing), Resource, Qty Per Batch (1), Valid from, Publication Status (Released), Document No (1000120), and Author (Sivakumar M). The 'General' section includes Start Node (ASSEMBLY). The 'Simulation' section includes fields for Cost (50.00), Overlap Units (0.0), Queuing Time (0), Duration (25), Duration Limit (25), Waiting Time (0), Working Time (25), Setup Time (0), Duration Unit (Minute), Yield % (100), and Moving Time (0). A 'Validate Workflow' button is located at the bottom of the form.

Critical Fields

1. Name : Used to create the workflow name.
2. Workflow Type : Used to select the flow type.(Ex : Document Process,Document Value,General,Manufacturing,Quality,Wizard).
3. Duration Unit : Used to select the Unit to define the length of time for the execution. (Ex : Day,Hour,Minute,Month,Second,Year)
4. Start Node : The Workflow Node indicates a unique step or process in a Workflow.(It is visible only when we create the operations)

Critical & onetime setup fields

1. Organization Field- This Field is used to select the organization which you are going to process the document.

Non-Critical Fields

1. Resource : Here It is used to mention the Plant.(Ex : Assembly ,Refer Resource Master)
 2. Qty Per Patch : It is used to mention the No of Qty processed in one Batch
 3. Valid From : The Valid From date indicates the first day of a date range
 4. Publication Status : Used for internal documentation
 5. Document No : The document number is usually automatically generated by the system and determined by the document type of the document. If the document is not saved, the preliminary number is displayed in "<>".
 6. Author : It shows the workflow creator name.
 7. Cost : It is used to give cost information's
 8. Overlap Units : Overlap Units are number of units that must be completed before they are moved the next activity
 9. Queuing Time : Queue time is the time a job waits at a work center before begin handled.
 10. Duration : Used to give Expected (normal) Length of time for the execution
 11. Duration Limit : Maximum (critical) Duration for time management purposes (e.g. starting an escalation procedure, etc.) in Duration Units.
 12. Waiting Time : It is used to give Amount of time needed to prepare the performance of the task on Duration Units
 13. Moving Time : It is used to give amount of of time needed to move from one operation to another operation.
 14. Yield % : The Yield is the percentage of a lot that is expected to be of acceptable quality may fall below 100 percent
 15. Setup Time : Used to give Setup time before starting Production
 16. Working Time : Used to give Amount of time the performer of the activity needs to perform the task in Duration Unit
 17. Version : The Version indicates the version of this table definition.
 18. Valid To : The Valid To date indicates the last day of a date range
 19. Priority : The Priority indicates the importance of this request.
 20. Default : The Default Checkbox indicates if this record will be used as a default value.
 21. Process Type : Used to select the process type from the list.(Ex : Batch Flow,Continuous Flow,Dedicate repetitive Flow,Job Shop,Mixed Repetitive Flow,Plant.)
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Zoom condition's

1. We can zoom and find the Manufacturing orders creation by using this workflow.

Customization

Operations

The screenshot shows the 'Operations' form within the 'Manufacturing Workflows(Routing)' module. The form is titled 'Data requested' and includes the following fields and controls:

- Workflow:** Dropdown menu set to 'ASSEMBLY'.
- Organization:** Dropdown menu set to 'Manufacturing Discrete'.
- Search Key:** Text input field containing 'ASSEMBLY'.
- Sequence:** Text input field containing '10'.
- Operation name:** Text input field containing 'ASSEMBLY'.
- Description:** Text input field.
- Comment/Help:** Text area.
- Active:** Check box, currently checked.
- Resource:** Dropdown menu set to 'Lathe'.
- Is Milestone:** Check box, currently unchecked.
- Is Subcontracting:** Check box, currently unchecked.
- Valid from:** Date picker.
- Valid to:** Date picker.
- Priority:** Text input field containing '0'.
- Join Element:** Dropdown menu set to 'XOR'.
- Split Element:** Dropdown menu set to 'XOR'.
- Working Time:** Text input field containing '0'.
- Wait Time:** Text input field containing '0'.

The bottom of the form has a 'Simulation' button.

Critical Fields

1. Operation Name : It is used to mention the name of the operation.
2. Resource : It is used to Select the manufacturing work center (previously defined) where you want to execute the operation. For the product costing, the Resource rate is taken from the cost element introduced in the window Product Costing (Refer resource master).

Critical & onetime setup fields

Non-Critical Fields

1. IsQc : This operation is under quality check when we select this check box.
2. Quality Plan : We should give the quality plan when we select the IsQc check box.(Refer Quality plan master)
3. IsSubcontracting : When we select this check box this operation is used for the

subcontracting process.

4. Business Partner : We should mention the Business partner name when we select the IsSubcontracting check box.(Refer Business Partner Master)
5. IsMilestone :
6. Valid From : The Valid From date indicates the first day of a date range.
7. Join Element : It used to mention the Semantics for multiple incoming Transitions for a Node/Activity. AND joins all concurrent threads - XOR requires one thread (no synchronization).
8. Working Time : Used to give Amount of time the performer of the activity needs to perform the task in Duration Unit
9. Wait Time : It is used to mention Time in minutes to be suspended (sleep)
10. Cost : It is used to give cost information's
11. Overlap Units : Overlap Units are number of units that must be completed before they are moved the next activity
12. Queuing Time : Queue time is the time a job waits at a work center before begin handled.
13. Duration : Used to give Expected (normal) Length of time for the execution
14. Duration Limit : Maximum (critical) Duration for time management purposes (e.g. starting an escalation procedure, etc.) in Duration Units.
15. Waiting Time : It is used to give Amount of time needed to prepare the performance of the task on Duration Units
16. Moving Time : It is used to give amount of of time needed to move from one operation to another operation.
17. Yield % : The Yield is the percentage of a lot that is expected to be of acceptable quality may fall below 100 percent
18. Setup Time : Used to give Setup time before starting Production
19. Split Element : It is used to mention the Semantics for multiple outgoing Transitions for a Node/Activity. AND represents multiple concurrent threads - XOR represents the first transition with a true Transition condition.
20. Valid To : The Valid To date indicates the last day of a date range
21. Priority : The Priority indicates the importance of this request.

Zoom condition's

Validation

Product

The screenshot shows the Konnect Analytics web application interface. The top navigation bar includes the Konnect Analytics logo, a search bar, and user information (Prasanth P@Konnect Demo, Konnect Demo Admin). The left sidebar contains 'Favourites' and 'Recent Items' sections. The main content area displays the 'Manufacturing Workflows(Rou...)' tab. The form shows the following fields: Client (Konnect Demo), Node (ASSEMBLY), Organization (dropdown), Sequence (10), Product (Copper (Cu)_Copper (Cu)), and Quantity (1). The 'Is Subcontracting' checkbox is checked. The status 'Record saved' is displayed at the top left of the form area.

We should fill this tab only when we select the operation is subcontract.

Critical Fields

1. Product : We should select the subcontracting product from the product master.
2. Quantity : The Quantity indicates the number of a specific product or item for this document.

Critical & onetime setup fields

Non-Critical Fields

1. Sequence : The Sequence indicates the order of records

Zoom condition's

Validation

Tools

The screenshot shows the Konnect Analytics web application interface. The top navigation bar includes the Konnect Analytics logo, a search bar, and user information (Prasanth F@Konnect Demo, Konnect Demo Admin). The left sidebar has 'Favourites' and 'Recent Items' sections. The main content area displays a 'Record saved' message and a form for 'Manufacturing Workflows(Rou...'. The form fields include: Client (Konnect Demo), Organization (Manufacturing Discrete), Node (ASSEMBLY), Active (checked), Sequence (0), and Asset (1000591_Measuring Tape). The breadcrumb trail at the top of the main area reads 'Manufacturing Routing > Operations > Tools'.

Critical Fields

1. Asset : We should select the asset which is used for this operation.(Refer Asset Master),
An asset is either created by purchasing or by delivering a product. An asset can be used internally or be a customer asset.

Critical & onetime setup fields

Non-Critical Fields

1. Sequence : The Sequence indicates the order of records

Zoom condition's

Validation

Next Operation

The screenshot shows the 'Next Operation' form in the Konnect Analytics application. The interface includes a top navigation bar with the 'KONNECT ANALYTICS' logo, a search bar, and user information (Prasanth P@Konnect Demo, Konnect Demo Admin). Below the navigation bar is a sidebar with 'Favourites' and 'Recent Items' sections. The main content area displays the 'Manufacturing Workflows(Rou...' tab, with a breadcrumb trail: 'Manufacturing Routing > Operations > Next Operation'. The form fields are as follows:

- Client**: Text input field containing 'Konnect Demo'.
- Organization**: Text input field with an asterisk (*) indicating a required field.
- Node**: Text input field containing 'ASSEMBLY'.
- Next Node**: Dropdown menu with 'Checking' selected.
- Sequence**: Text input field containing '10'.
- Description**: Large text area for input.
- Active**: Checkmark icon.

Critical Fields

1. Next Node : Here we can select the next node of the operation from the operation sub tab,
The Next Node indicates the next step or task in this Workflow.

Critical & onetime setup fields

Non-Critical Fields

1. Sequence : The Sequence indicates the order of records

Zoom condition's

Validation