Exercise: Configure activity-based subcontractor work

Set up default vendor for a warehouse

1. Go to **Inventory management > Setup > Inventory breakdown > Warehouses**.
2. In the list, find and select Warehouse **12-801**
3. Verify the **Vendor account** field in the General tab is set to **US-801**
4. Close the page.

Create a purchase agreement

1. Go to **Procurement and sourcing > Purchase agreements > Purchase agreements**.
2. Click **New**.
3. In the **Vendor account** field, enter or select **US-801**
4. In the **Purchase agreement classification** field, enter or select **General purchases**
5. Expand the **General** section.
6. In the **Expiration date** field, enter a date in future which agreements should be expired by.
7. Click **OK**.
8. Expand the **Purchase agreement header** section.
9. In the **Default commitment** field, select **'Product value commitment'**.
10. Click **Add line**.
11. In the **Item number** field, enter or select **S0001**
12. In the **Warehouse** field, enter or select **12-801**
13. Set **Net amount** to '73570.00'.
14. ~~Click **Add line**.~~
15. ~~In the **Item number** field, enter or select **S0002**~~
16. ~~In the **Warehouse** field, enter or select **12-801**~~
17. ~~Set **Net amount** to '50848.00'.~~
18. In the **Status** field, select **'Effective'**.
19. Click **Save**.
20. Close all forms.

Create a work cell for subcontracting

1. Go to **Organization administration > Resources > Resources**.
2. Click **New**.
3. In the **Resource** field, type 'GTL-Sub1'.
4. In the **Description** field, type 'Subcontractor 1'.
5. In the **Type** field, select 'Vendor'.
6. Click **Save**.
7. Close the page.
8. Go to **Organization administration > Resources > Resource groups**.

9. Click **New**.
10. In the **Resource group** field, type **'eBookSub'**.
11. In the **Description** field, type **'eBook subcontractor'**.
12. In the **Site** field, enter or select site **1**
13. Select **Yes** in the **Work cell** field.
14. In the **Input warehouse** field, enter or select **11**
15. In the **Input location** field, enter or select **11.**
16. In the **Output warehouse** field, enter or select **12-801**
17. In the **Output location** field, enter or select **801**.
18. In the Calendars fast tab, click **Add**.
19. In the **Calendar** field, enter or select **Production**.
20. Collapse the **Calendars** section.
21. In the Resources fast tab, click **Add**.
22. In the **Resource** field, enter or select **8821**.
23. Collapse the **Resources** section.
24. In the Work cell capacity fast tab, click **Add**.
25. In the **Production flow model** field, enter or select **Mid-Range Speaker 2 Flow Model**.
26. In the **Capacity period** field, select **'Standard workday'**.
27. Set **Average throughput quantity** to '100.00'.
28. In the **Unit** field, type 'pcs'.
29. Click **Save**.
30. Close all forms.

Create Activity based subcontracting rule.

1. Go to **Production control > Setup > Lean production flow > Production flows**.
2. In the list, find and click the **Speaker driver** link to get to the details page.
3. Under **Versions** section, click **Add**.
4. Click **OK**.
5. In the list, find and select the new version with a status of **Draft**.
6. Click **Activities**.
7. Click **Create new plan activity**.
8. Click **Next**.
9. In the **Name** field, type **'GTL-Subcontracting activity'**.
10. Click **Next**.
11. In the **Work cell** field, enter or select **eBookSub**. You are assigning a work cell that is associated with the Vendor.
12. Click **Next**.
13. Click **Next**.
14. In the list, find and select the row for the **Runtime.** Type **1** in the **Time** field.
15. In the **Time unit** field, enter or select **hr**.
16. Set **Per quantity** to '10.00'.
17. Click **Next**.
18. Click **Finish**.

19. Click **Create new plan activity**.
20. Click **Next**.
21. In the **Name** field, type **'GTL-Transfer to subcontractor'**.
22. In the **Activity type** field, select **'Transfer'**.
23. Click **Next**.
24. In the **Replenishing** field, enter or select **eBookSub.**
25. In the **Replenished** field, enter or select **eBookSub**.
26. Click **Next**.
27. Click **Next**.
28. In the list, find and select the row for the **Runtime**; type 1 in the **Time** field.
29. In the **Time unit** field, enter or select **hr**.
30. Set **Per quantity** to '4.00'.
31. Click **Next**.
32. Click **Finish**.
33. In the list, find and select **GTL-Subcontracting activity**.
34. Click **Add successor**.
35. In the **Activity** field, select **GTL-Transfer to subcontractor**.
36. In the **Cycle time ratio** field, enter 1.
37. Click **OK**.
38. Select **GTL-Transfer to subcontractor** line.
39. Click **Details**
40. Expand **Service terms** Fasttab.
41. Click **Add**.
42. In the **Service** field select **S0001**.
43. Click **Next**.
44. In the **Service ratio** field type **1.2**
45. In the **Service unit** field select **hr**.
46. For the **Service quantity base** field select **Activity time**.
47. Click **Next**.
48. Click **Finish**.
49. Close the **Activity details** page.
50. ~~Select **GTL-Subcontracting activity**~~
51. ~~Click **Details**~~
52. ~~Expand **Service terms** Fasttab.~~
53. ~~Click **Add**.~~
54. ~~In the **Service** field select **S0002**.~~
55. ~~Click **Next**.~~
56. ~~In the **Service ratio** field type **1.0**~~
57. ~~In the **Service unit** field select **hr**.~~
58. ~~For the **Service quantity base** field select **Activity time**.~~
59. ~~Click **Next**.~~
60. ~~Click **Finish**.~~
61. ~~Close the **Activity details** page.~~
62. Select **GTL-Transfer to subcontractor**

63. Click **Add successor**.
64. In the **Activity** field, enter or select **Speaker driver**.
65. In the **Cycle time ratio** field, enter 1.
66. Click **OK**.
67. Close the **Activities** page.
68. Select version 1 and click **Deactivate.** Click **OK.**
69. Select version 2 and click **Activate.** Click **OK.**
70. Close all forms.

Create and schedule kanbans for subcontracting

1. Go to **Product information management > Lean manufacturing > Kanban rules**.
2. Click **New**.
3. In the **First plan activity** field, enter or select **GTL-Subcontracting activity**
4. Select the **Multiple activities** check box.
5. In the **Last plan activity** field, enter or select **GTL-Transfer to subcontractor**
6. Click **OK**.
7. In the **Product** field, type 'L0001'.
8. Expand the **Quantities** section.
9. Set **Default quantity** to '50.00'.
10. In the **Fixed kanban quantity** field, enter '25'.
11. Click **Save**.
12. Click **Add**.
13. Click **Create**.
14. Click **Details**.
15. Expand the **Jobs** section.
16. View jobs for process and transfer to a subcontractor
17. Close all forms.
18. Go to **Production control > Kanban > Kanban job scheduling**.
19. In the **Work cell** field select eBookSub
20. In the list, mark and select the first two rows.
21. Click **Schedule from date** to open the drop dialog.
22. Click **Schedule**.
23. Close all forms.

Process and transfer jobs

1. Go to **Production control > Kanban > Kanban board for process jobs**.
2. In the Work cell field, enter or select eBookSub
3. In the list, mark the selected row.
4. Click **Prepare**.
5. Click **Start**.
6. Click **Complete**.

7. Expand the **Transfer jobs** section.
8. In the list, mark the selected row.
9. Click **Start**.
10. Click **Complete**.
11. Close the page.