



SINTEX PRODUCTION

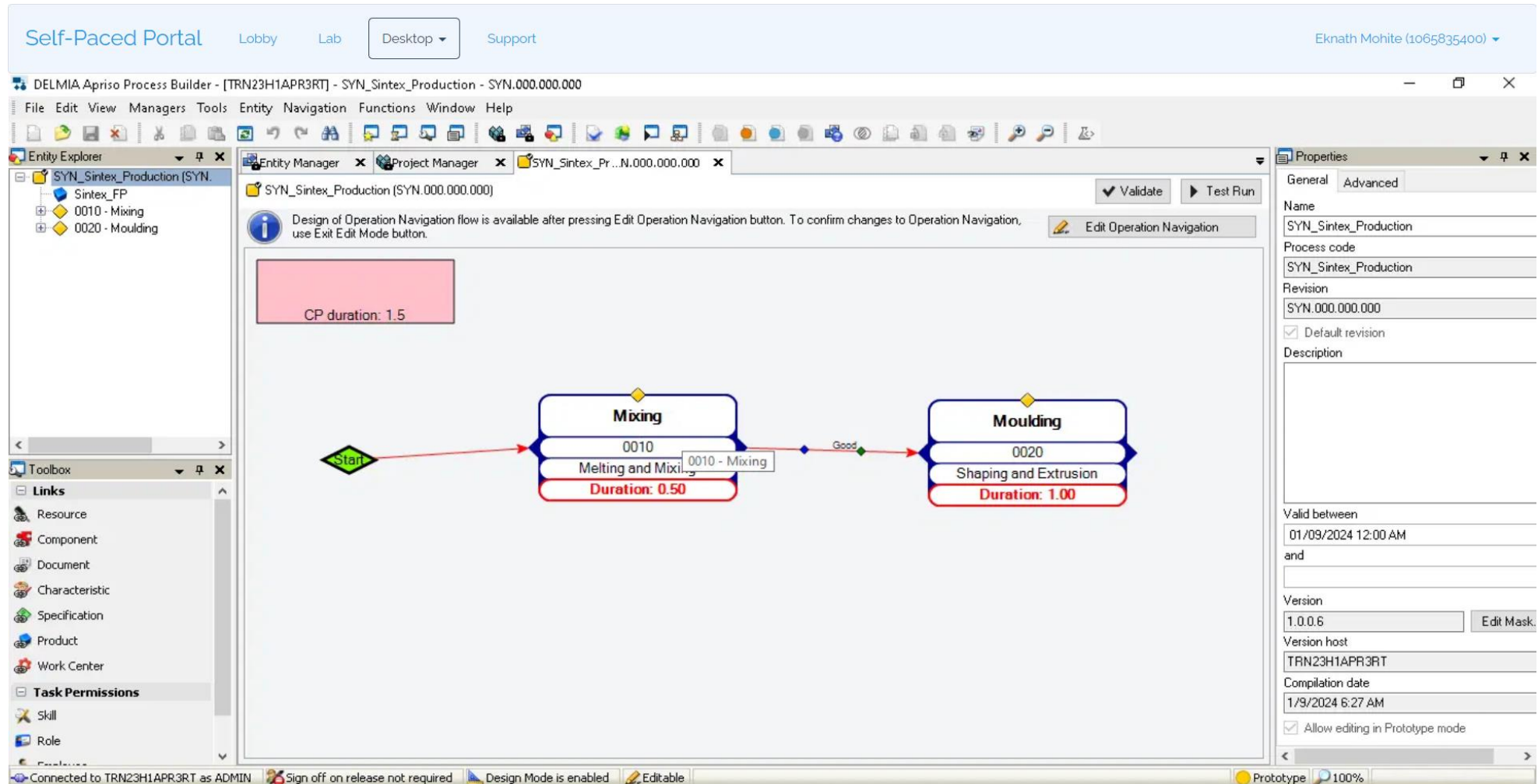


ROUTING, WORKORDER AND EXPLOSION CONFIGURATI ON

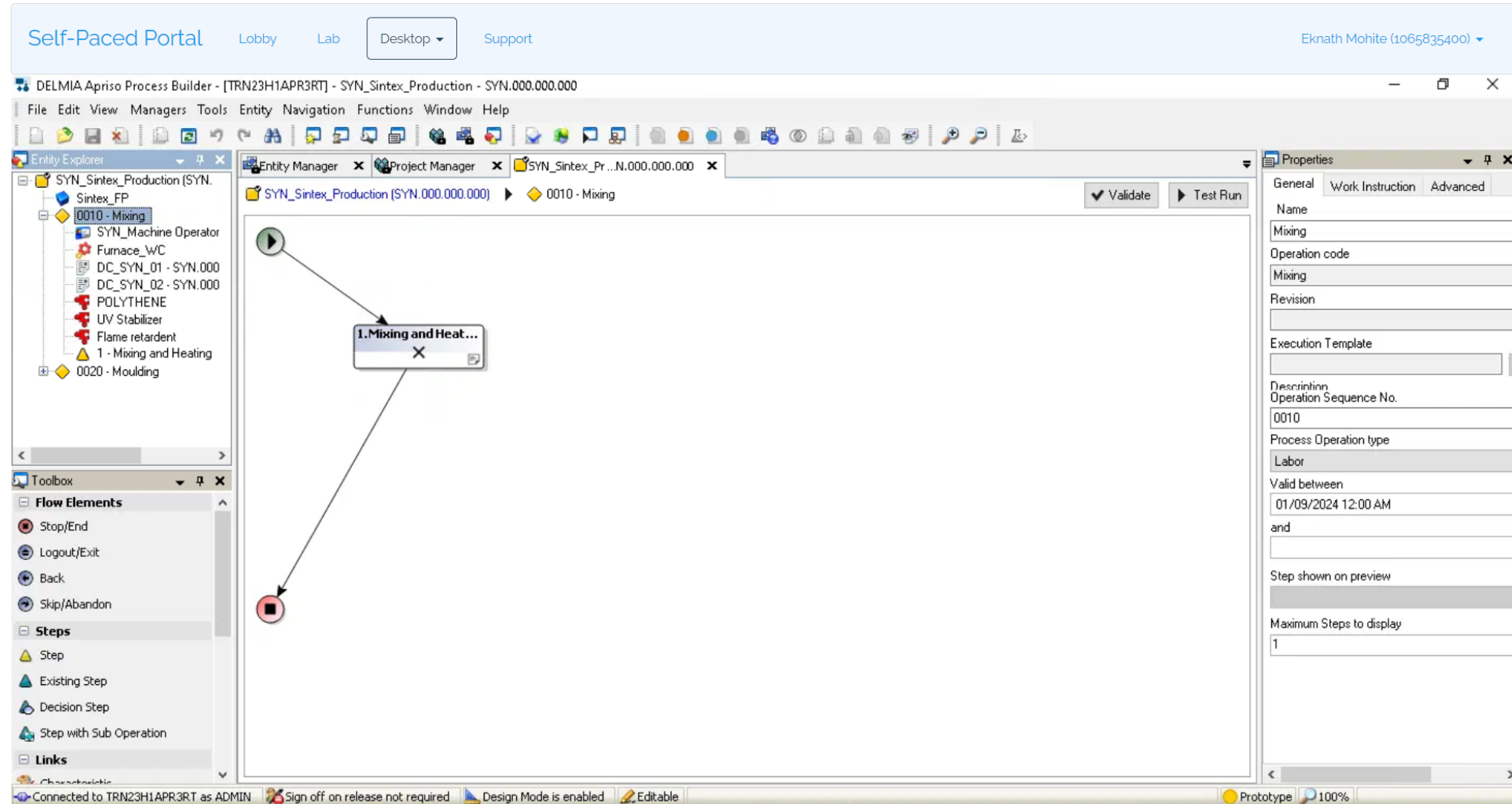
Synthocraft



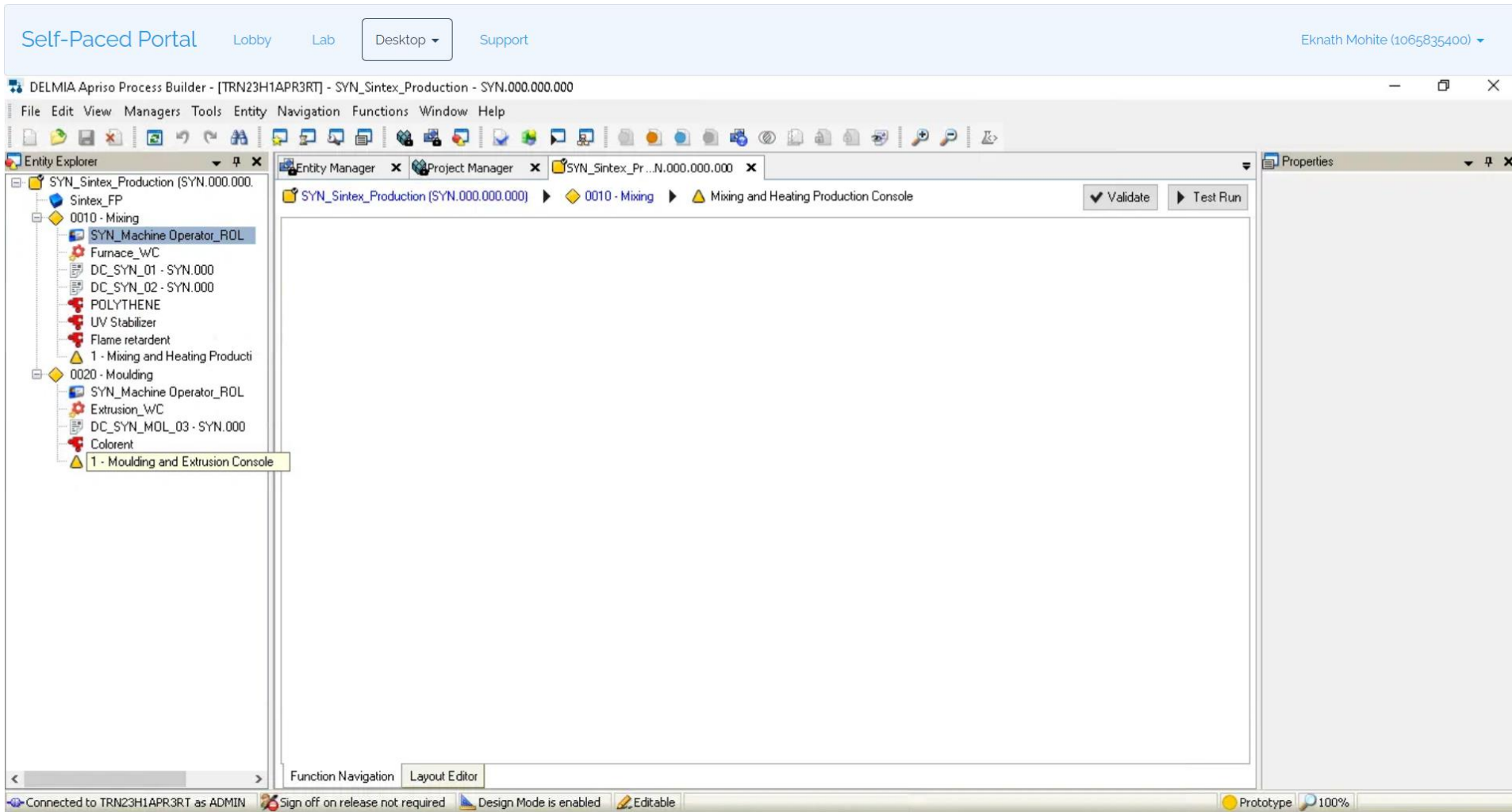
- Within the edit mode inside process, Two operations : Mixing and Moulding are added.
- Both the operations are connected and while connecting good is chosen as the WIP Content class.



- Within mixing operation in Entity Explorer, drag and drop roles, work centres, products and documents as mentioned in below image.



- Similarly within moulding operation in Entity Explorer, drag and drop roles, work centres, products and documents as mentioned in below image.



- Within mixing operation properties, visibility is set to always and display mode is set to pop-up and at last work instruction is also linked.

Self-Paced Portal Lobby Lab Desktop Support Eknath Mohite (1065835400)

DELMIA Apriso Process Builder - [TRN23H1APR3RT] - SYN_Sintex_Production - SYN.000.000.000

File Edit View Managers Tools Entity Navigation Functions Window Help

Entity Explorer

- SYN_Sintex_Production (SYN.000.000.000)
 - Sintex_FP
 - 0010 - Mixing
 - SYN_Machine Operator_ROL
 - Furnace_WC
 - DC_SYN_01 - SYN.000
 - DC_SYN_02 - SYN.000
 - POLYTHENE
 - UV Stabilizer
 - Flame retardant
 - 1 - Mixing and Heating Product
 - 0020 - Moulding
 - SYN_Machine Operator_ROL
 - Extrusion_WC
 - DC_SYN_MOL_03 - SYN.000
 - Colorent
 - 1 - Moulding and Extrusion Con

Entity Manager Project Manager SYN_Sintex_Pr...N.000.000.000

SYN_Sintex_Production (SYN.000.000.000)

Design of Operation Navigation flow is available after pressing Edit Operation Navigation button. To confirm changes to Operation Navigation, use Exit Edit Mode button.

Validate Test Run Edit Operation Navigation

CP duration: 1.5

Start

Mixing

0010

Melting and Mixing

Duration: 0.50

Good

Moulding

0020

Shaping and Extrusion

Duration: 1.00

Properties

General Work Instruction Advanced

Visibility

☒ Always ☐ Never ☐ Dynamic

Display Mode

☐ Sidebar ☒ Pop-up ☐ Maximized

Docking

☐ Top ☒ Left ☐ Right ☐ Bottom

Size

Width: px Height: px

Source

☒ Linked ☐ Dynamic List

List of Work Instructions

Sequenc	Work Instruction	Revision	Type	Displa
1	Wl_SYN_Mix_	SYN.000	Single	Always

Connected to TRN23H1APR3RT as ADMIN Sign off on release not required Design Mode is enabled Editable Prototype 100%

- Same thing is done for the properties of moulding operation.(Note: Display mode: Sidebar)

Self-Paced Portal Lobby Lab Desktop Support Eknath Mohite (1065835400)

DELMIA Apriso Process Builder - [TRN23H1APR3RT] - SYN_Sintex_Production - SYN.000.000.000

File Edit View Managers Tools Entity Navigation Functions Window Help

Entity Explorer

- SYN_Sintex_Production (SYN.000.000.000)
 - Sintex_FP
 - 0010 - Mixing
 - SYN_Machine Operator_ROL
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 - DC_SYN_01 - SYN.000
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Entity Manager Project Manager SYN_Sintex_Pr ...N.000.000.000

SYN_Sintex_Production (SYN.000.000.000)

Design of Operation Navigation flow is available after pressing Edit Operation Navigation button. To confirm changes to Operation Navigation, use Exit Edit Mode button.

Validate Test Run Edit Operation Navigation

CP duration: 1.5

Start

Mixing

0010

Melting and Mixing

Duration: 0.50

Good

Moulding

0020

Shaping and Extrusion

Duration: 1.00

Properties

General Work Instruction Advanced

Visibility

☒ Always ☐ Never ☐ Dynamic

Display Mode

☒ Sidebar ☐ Pop-up ☐ Maximized

Docking

☐ Top ☒ Left ☐ Right ☐ Bottom

Size

px

Source

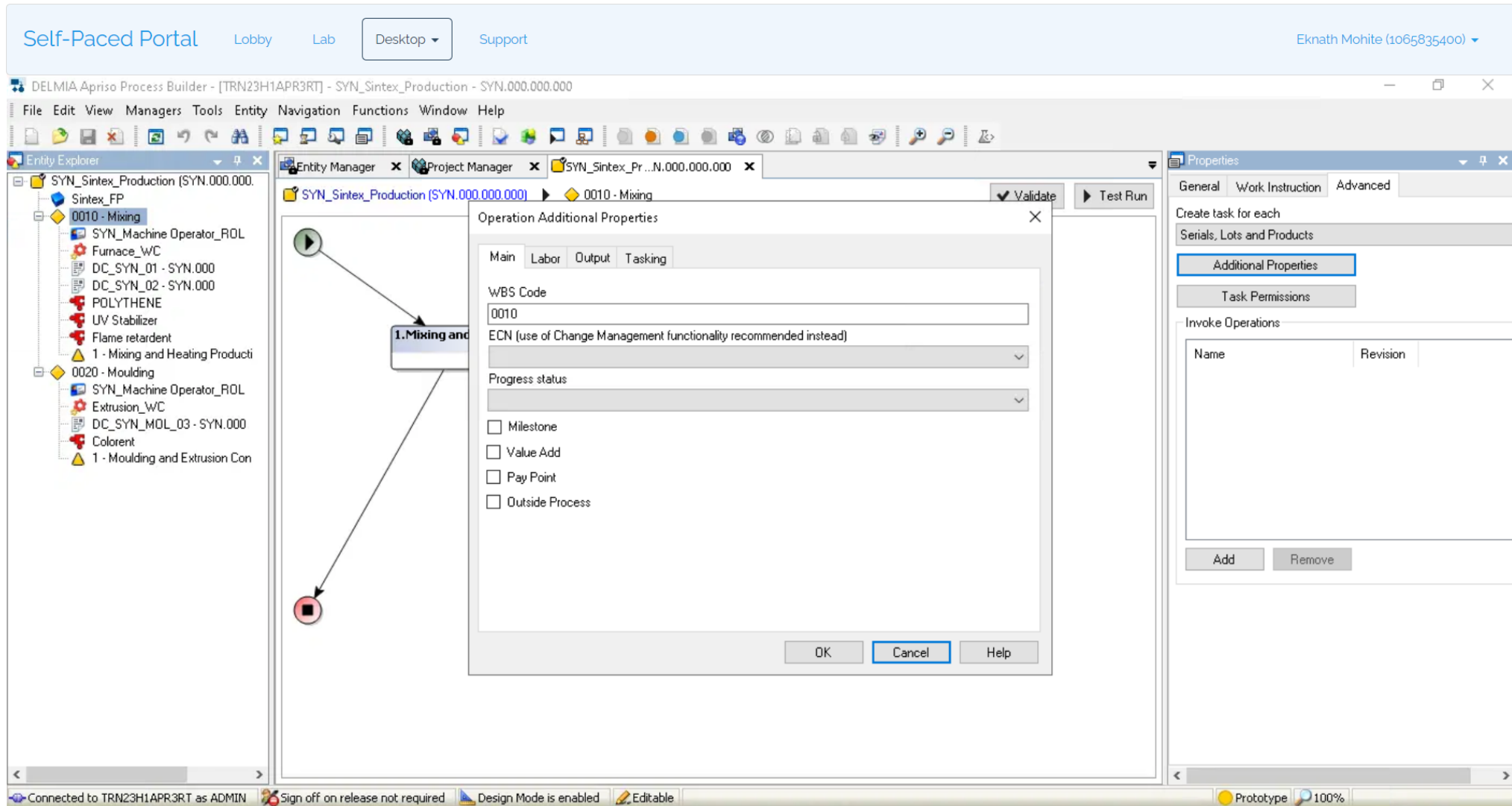
☒ Linked ☐ Dynamic List

List of Work Instructions

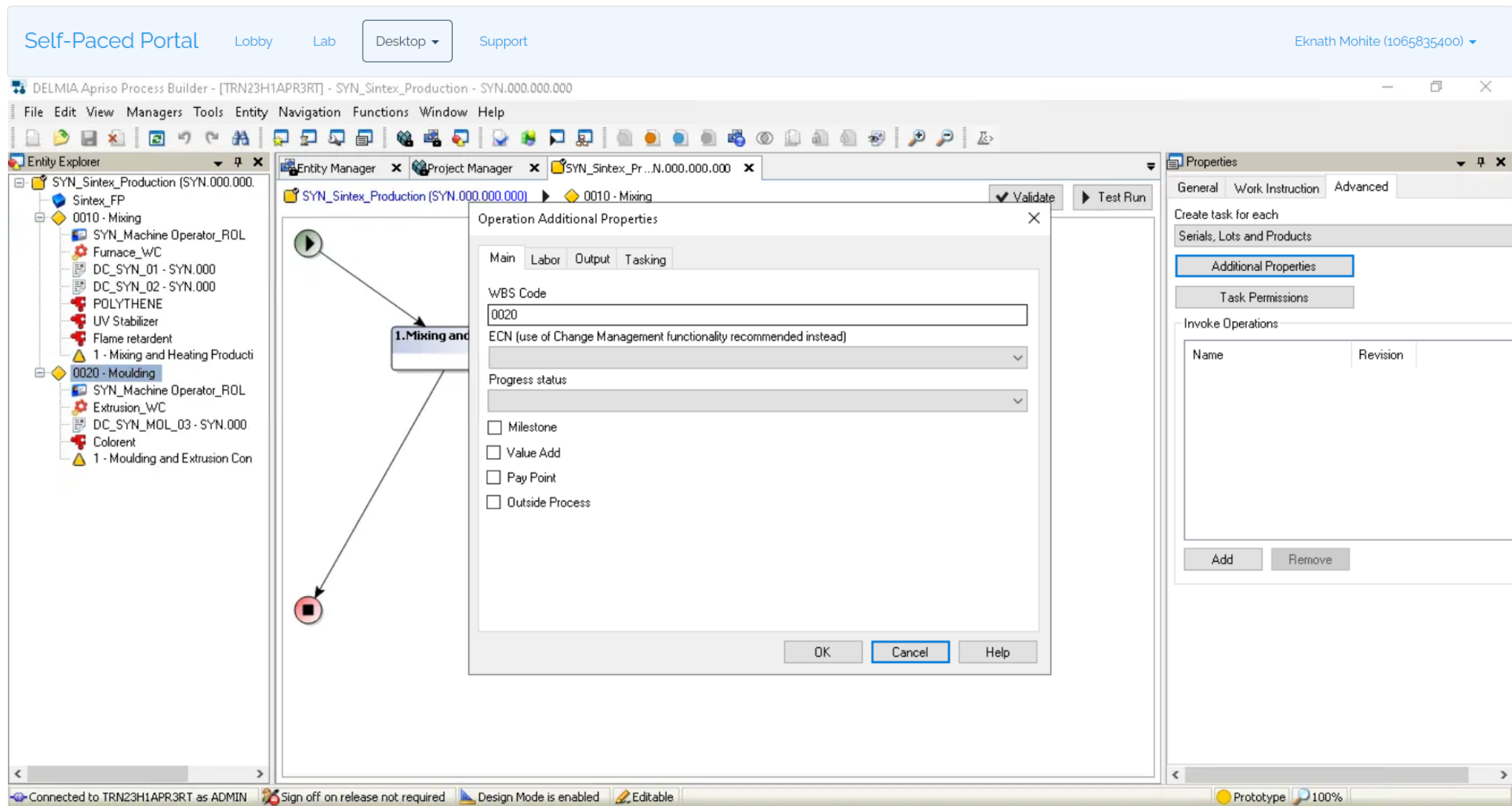
Sequenc	Work Instruction	Revision	Type	Displa
1	WI_SYN_Moul...	SYN.000	Single	Always

Connected to TRN23H1APR3RT as ADMIN Sign off on release not required Design Mode is enabled Editable Prototype 100%

- Within mixing operation properties WBS code is set in advanced tab → additional properties.



- Within moulding operation properties WBS code is set in advanced tab → additional properties.



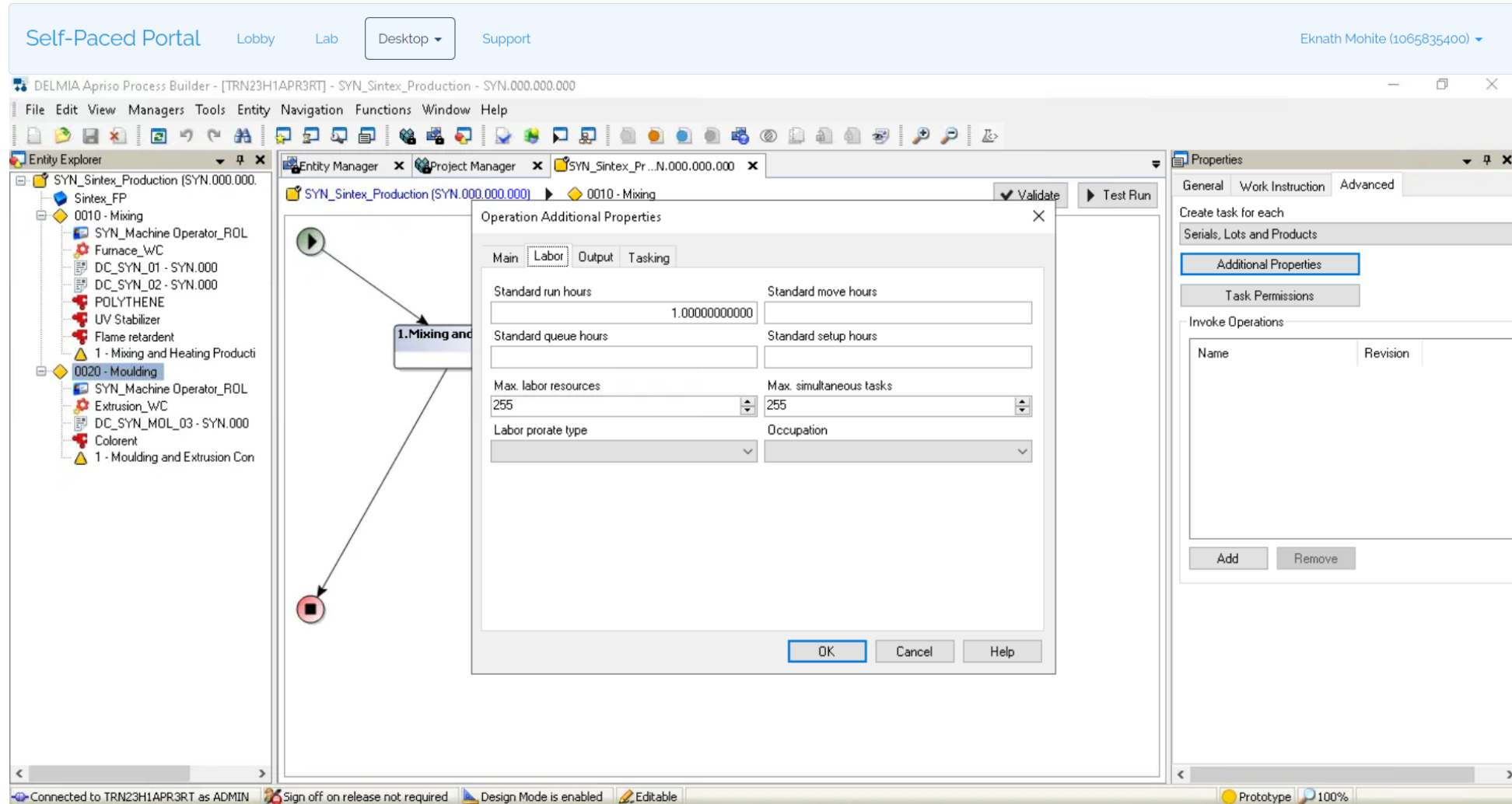
- Within mixing operation properties for labor standard run hours is set in advanced tab
→ additional properties.

The screenshot displays the DELMIA Apriso Process Builder interface. The main window shows the 'Entity Explorer' on the left, listing the process structure: 'SYN_Sintex_Production (SYN.000.000.000)' with sub-entities '0010 - Mixing' and '0020 - Moulding'. The '0010 - Mixing' entity is selected, and its properties are shown in the 'Properties' panel on the right. The 'Advanced' tab is active, displaying 'Additional Properties' and 'Task Permissions' sections. The 'Operation Additional Properties' dialog is open, showing the 'Labor' tab with the following fields:

Field	Value
Standard run hours	0.5000000000
Standard move hours	
Standard queue hours	
Standard setup hours	
Max. labor resources	255
Max. simultaneous tasks	255
Labor prorate type	
Occupation	

The dialog also includes 'OK', 'Cancel', and 'Help' buttons at the bottom. The background interface shows the 'Self-Paced Portal' with tabs for 'Lobby', 'Lab', 'Desktop', and 'Support'. The user 'Eknath Mohite (1065835400)' is logged in. The status bar at the bottom indicates 'Connected to TRN23H1APR3RT as ADMIN', 'Sign off on release not required', 'Design Mode is enabled', 'Editable', 'Prototype', and '100%'.

- Within moulding operation properties for labor standard run hours is set in advanced tab
→ additional properties.



- For an order to be executed XML file is necessary. An order is made by XML file where starting from order number and production line to the work centers are mentioned along with quantity.

Self-Paced Portal Lobby Lab Desktop Support Eknath Mohite (1065835400)

C:\Users\Administrator\Desktop\SYN_PRD01.xml - Notepad++ [Administrator]

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

SYN_PRD01.xml

```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <!--Sample XML file generated by XMLSpy v2018 rel. 2 (http://www.altova.com)-->
3  <FlexNet_Production_PlantMaintenance_Orders xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" Version="2.0" xsi:noNamespaceSchemaLocation="FlexNet_Production_I
4  <WipOrder NodeType="Table" NodeAction="InsertOnly" DALAssemblyName="FlexNet.DataServices.Wip, Version=23.0.0.0, Culture=neutral, PublicKeyToken=33f69232784212%
5  <WipOrderNo SetToNullOnUpdate="false">PRD001</WipOrderNo>
6  <WipOrderType SetToNullOnUpdate="false">1</WipOrderType>
7  <OrderQuantity SetToNullOnUpdate="false">100</OrderQuantity>
8  <ReleaseDate SetToNullOnUpdate="false">2024-01-10T08:00:00Z</ReleaseDate>
9  <UomCode>EA</UomCode>
10 <WorkOrderStatus>1</WorkOrderStatus>
11 <ProductionLineNo SetToNullOnUpdate="false">PL_Sintex</ProductionLineNo>
12 <ReleasedFacility>C1P1</ReleasedFacility>
13 <ProgressStatus>1</ProgressStatus>
14 <TargetQuantity SetToNullOnUpdate="false">100</TargetQuantity>
15 <ProductID ProductNo="Sintex_FP"/>
16 <LotNo NodeType="Table" NodeAction="InsertUpdate" DALAssemblyName="FlexNet.DataServices.Lot, Version=23.0.0.0, Culture=neutral, PublicKeyToken=33f69232784%
17 <LotNo SetToNullOnUpdate="false">SintexLot001</LotNo>
18 <Facility SetToNullOnUpdate="false">C1P1</Facility>
19 <ProductID NodeAction="GetValue" NodeType="Field" DALAssemblyName="FlexNet.DataServices.Product, Version=23.0.0.0, Culture=neutral, PublicKeyToken=33f6
20 </LotNo>
21 <WipOrderLot NodeType="Table" NodeAction="InsertUpdate" DALAssemblyName="FlexNet.DataServices.Wip, Version=23.0.0.0, Culture=neutral, PublicKeyToken=33f69%
22 <WipOrderNo SetToNullOnUpdate="false">PRD001</WipOrderNo>
23 <WipOrderType SetToNullOnUpdate="false">1</WipOrderType>
24 <LotNo SetToNullOnUpdate="false">SintexLot001</LotNo>
25 <PrimaryLotNo SetToNullOnUpdate="false">true</PrimaryLotNo>
26 <OrderQuantity SetToNullOnUpdate="false">100</OrderQuantity>
27 <Active SetToNullOnUpdate="false">true</Active>
28 <ProductID NodeAction="GetValue" NodeType="Field" DALAssemblyName="FlexNet.DataServices.Product, Version=23.0.0.0, Culture=neutral, PublicKeyToken=33f6
29 </WipOrderLot>
30 <JEJobCreationEvent>
31 <JobQueue>
32 <Name>PRD001</Name>

```

eXtensible Markup Language file length: 3,414 lines: 40 Ln: 5 Col: 53 Sel: 6 | 1 Unix (LF) UTF-8 INS

- After creating XML file it is exploded in Apriso and within if everything goes well then within Apriso Desktop Client → Job Executor : Immediate Jobs History the order will appear with result as SUCCESS.

Self-Paced Portal Lobby Lab Desktop Support Eknath Mohite (1065835400)

DELMIA Apriso Desktop Client [TRN23H1APR3RT] [System Administrator]

Job Executor: Immediate Jobs History

JE Immediate Jobs History

Options

ID	Job ID	Name	Description	Created Date	Pool	Synchronization	Action Type	Timeout	Started On	Finished On	Result	Info	Original
10359391	10356373	SYN_PRD01.xml	FlexNet_Produc	01/09/2024 08:	DEFAULT		8 - XML - Proce	00:05:00	01/09/2024 08:	01/09/2024 08:	1 - Success	FlexNet.System	0

You are at row 1 of 1. All rows loaded.

- After the explosion within Apriso Desktop Client → Execution Order the order will appear.

Self-Paced Portal Lobby Lab Desktop Support Eknath Mohite (1065835400)

DELMIA Apriso Desktop Client [TRN23H1APR3RT] [System Administrator]

Job Executor: Immediate Jobs History Execution Order

Execution Order Help

Options

WIP Order No	WIP Order Type	Product No	Product Descript	Order Quantity	Completed Qua	Priority	Expected Start	Release Date	Scheduled Start	Due Date	Actual Start Dat	Actual Completi	UOM
1610	1 - Production	ICRVG0063	ICRVG0063	1.0000000000		1	04/04/2023	04/04/2023	04/04/2023	04/06/2023	04/04/2023		EA - Ea
1611	1 - Production	ICBLSK001	Blisk	10.0000000000		1	04/04/2023	04/04/2023	04/04/2023	04/06/2023	04/04/2023		EA - Ea
1613	1 - Production	ICBLSK001	Blisk	10.0000000000		1	04/04/2023	04/04/2023	04/04/2023	04/06/2023	04/04/2023		EA - Ea
1614	1 - Production	ICBLSK001	Blisk	10.0000000000		1	04/04/2023	04/04/2023	04/04/2023	04/06/2023			EA - Ea
1615	27 - Reactive M			1.0000000000		1	04/04/2023	04/04/2023	04/04/2023	04/05/2023	04/04/2023		EA - Ea
PRD001	1 - Production	Sintex_FP	Final Product	100.0000000000				01/10/2024			01/10/2024		EA - Ea

You are at row 6 of 6. All rows loaded.