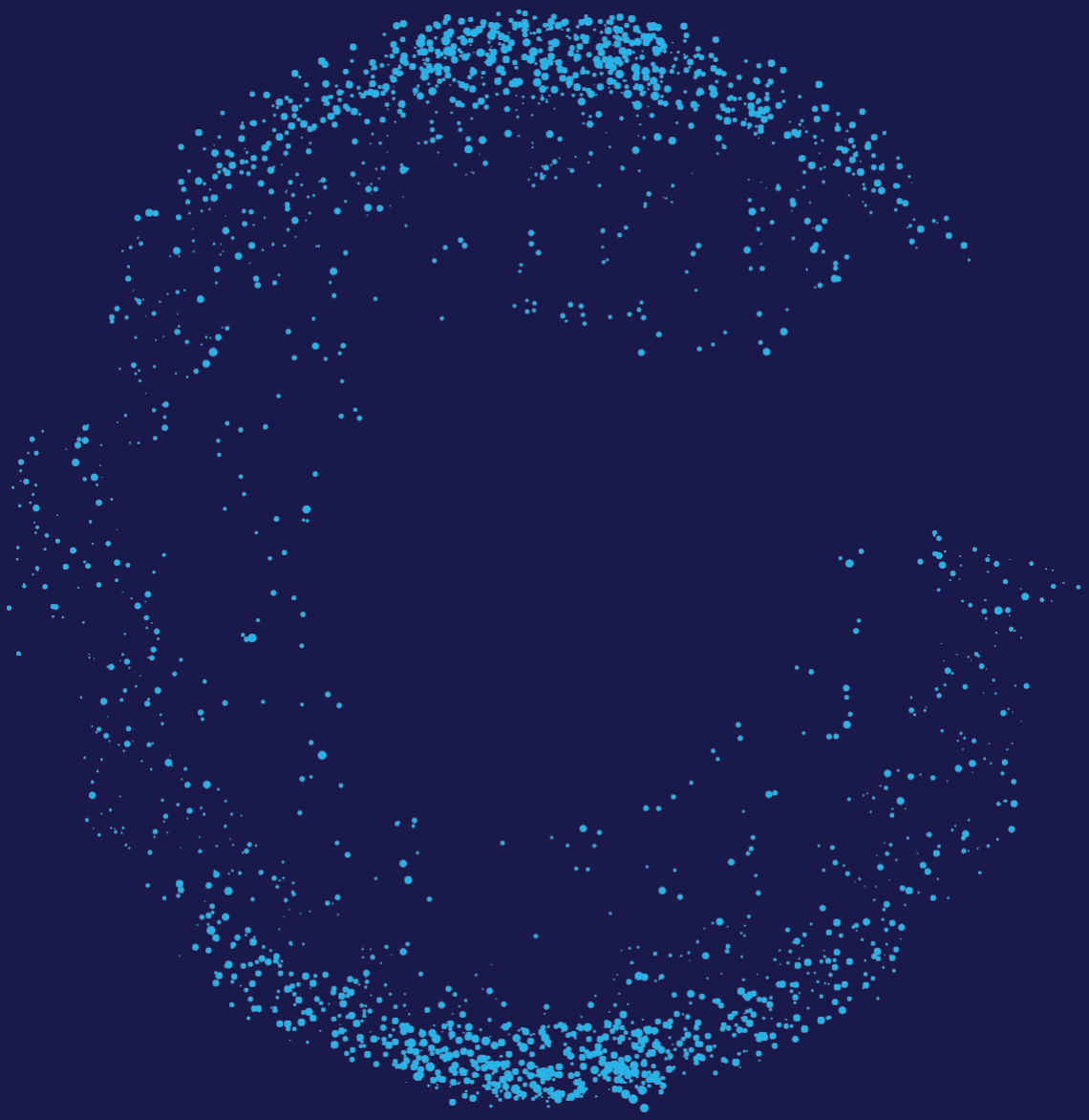
Education Services

Course Catalog



Manufacturing Planning (SCPO)

BlueYonder
Move beyond boundaries™

About This Catalog

This catalog is your essential guide to Blue Yonder Blue Yonder Manufacturing Planning (SCPO) instructor-led training courses. Whether you are a new user or an experienced professional, the courses in this catalog help you gain the knowledge and skills required for the successful adoption and effective use of Blue Yonder Platform.

The catalog provides a structured overview of available courses and their learning objectives, audience, and duration. For assistance or guidance in selecting the required courses, you can contact your Blue Yonder Customer Experience or Education Services team.

Contents

About Blue Yonder Education Services

Blue Yonder Education Services seeks to improve supply chain excellence by offering innovative, tailored, and cost-effective training solutions. It focuses on transforming training with adaptable, high-quality programs that help you achieve your business goals, deliver industry-leading performance, and drive economic growth. Blue Yonder Education Services' core offerings include:

- Product courses delivered in-person or virtually, as Instructor-led trainings (ILT)
- Public schedule and private course events
- Applied coaching and mentoring services
- Digital subscriptions and online courses
- Certifications
- Skill gap analysis surveys and Training need assessments
- Organizational change and end-user training advisory and professional services

Blue Yonder Training Courses

Designed to facilitate effective adoption and utilization of its software solutions, Blue Yonder training courses provide a structured, expert-guided learning experience.

Features and Benefits

- Offer in-person or live virtual classroom training, delivered by a qualified Blue Yonder instructor, with standard or customized courses and hands-on exercises
- Provide comprehensive training on specific Blue Yonder solutions and related business processes
- Ensure learner engagement throughout the training program
- Award learners with badges and certification, when applicable

Manufacturing Planning (SCPO) Course Catalog—Overview

The Blue Yonder Manufacturing Planning (SCPO) catalog provides comprehensive training courses designed for different audiences in an organization. These courses combine learning concepts with practical exercises that help learners deepen their knowledge of manufacturing planning solutions.

Course Name	Learning Objectives	Audience	Duration
Demand Planning			
4625: Demand	After completing this course, learners will be able to: • Explain the key forecasting techniques in demand planning. • Explain the purpose of the key processes run in demand planning. • Use a Compound Workspace to view data on multiple pages on a single screen. • Configure the Demand Workbench based on your business requirement. • Identify the history cleansing methods used for accurate demand forecasting. • Run the history cleansing process to cleanse the history data before generating the forecast. • Identify the algorithms associated with different forecasting techniques. • Run the Demand Classification process for a series of products and review the outputs on the Demand Classification Manager page. • Compare the exceptions in Demand Workbench and take appropriate action. • Describe the importance of market intelligence in forecasting. • Identify the factors that affect forecast accuracy. • Explain the process of reviewing forecast performance data. • Describe the roles and responsibilities of a demand planner.	Project Team and end users	3 days

4166: Demand 360	After completing this course, learners will be able to: • Create accurate demand forecasts and collaborate across teams using D360. • Configure key data required by D360, such as hierarchies and measures. • Adjust data in the forecast using the Demand Worksheet. • Apply overrides at different levels in the hierarchies. • Aggregate and disaggregate data. • Configure D360 worksheets.	Project Team members and end users	1 day
Supply Planning			
7433: Enterprise Supply Planning	After completing this course, learners will be able to: • Explain the positioning of ESP in the landscape of supply chain. • Illustrate the ESP architecture. • Describe the main sections of the ESP interface. • Review and edit master data using an FE page. • Explain the components of data modeling in ESP. • Review the dynamic data setup. • Explain the process of generating a supply plan. • Evaluate the supply plan using Plan Analysis, the Master Planner Workbench, the Scorecard, and Replenishment Dashboard. • Describe the key capabilities of the Agile Workbench. • Resolve demand exceptions, material exceptions, and resource exceptions in the respective agile workbenches.	Project Team members and end users	3 days
5215: Inventory Optimization	After completing this course, learners will be able to: • Explain the importance of inventory optimization. • Interpret the key business challenges of the organization. • Identify the key data and respective input tables of the Inventory Optimization solution. • Review the supply network on the Network Viewer page. • Run the Transfer Forecast process in the Inventory Optimization application interface. • Execute the Segmentation process through the	Project Team members and end users	3 days

	Segmentation Workbench. • Execute the Analyze Replenishment Policy process. • Optimize inventory and review the output. • Execute the Publish IO Plan process. • Describe sensitivity analysis in inventory management. • Use the Root Cause Analysis page to analyze the impact on the safety stock targets. • Optimize the inventory plan when a location is temporarily restricted from storing finished goods. • Describe the business need for data modeling in the Inventory Optimization application.		
4198: Basics of Sequencing	After completing this course, learners will be able to: • Explain key supply chain and scheduling concepts and issues facing businesses today. • List the purpose and benefits of using Blue Yonder Sequencing. • Create a simple and realistic model of a manufacturing environment using the Platform UI. • Run and review optimized schedules in the Schedule Board. • Create additional sub-models as necessary to add appropriate detail and complexity to the manufacturing model. • Evaluate optimized schedules for feasibility and adjust the model accordingly. • Identify the additional model elements required to perform multi-stage scheduling. • Describe the purpose and benefits of using Pooled Reusable Resources and the Rate Adjust Processor.	Project Team members and end users	3 days

Manufacturing Planning (SCPO) Course Details

4625: Demand

Course Objectives

After completing this course, learners will be able to:

- Explain the key forecasting techniques in demand planning.
- Explain the purpose of the key processes run in demand planning.
- Use a Compound Workspace to view data on multiple pages on a single screen.
- Configure the Demand Workbench based on your business requirement.
- Identify the history cleansing methods used for accurate demand forecasting.
- Run the history cleansing process to cleanse the history data before generating the forecast.
- Identify the algorithms associated with different forecasting techniques.
- Run the Demand Classification process for a series of products and review the outputs on the Demand Classification Manager page.
- Compare the exceptions in Demand Workbench and take appropriate action.
- Describe the importance of market intelligence in forecasting.
- Identify the factors that affect forecast accuracy.
- Explain the process of reviewing forecast performance data.
- Describe the roles and responsibilities of a demand planner.

Audience

Project Team members and end users

Prerequisites

No prerequisites are required for this course.

Duration

3 days (in-person or virtual)

Training Level

Beginner and intermediate

Lesson	Learning Objectives	Duration
01: Overview of Demand	After completing this lesson, learners will be able to: • Describe the benefits of forecasting demand. • Identify the components of a Demand Forecasting Unit (DFU). • Explain the key forecasting techniques in demand planning. • Illustrate the demand planning cycle. • Describe the key steps in the demand planning cycle.	1 hour

02: Introduction to Demand System Architecture and Database Tables	After completing this lesson, learners will be able to:
	• Identify the key input and output tables.
	• Explain the purpose of the key processes run in demand planning.
	• Review the forecast data on DFU and DFUMAP pages.
	• Outline the process of:
	  ➢ Reviewing and validating history data.
	  ➢ Calculating and reviewing forecast data at all levels.
	  ➢ Comparing and reconciling forecast data.
		1.5 hours

03: Demand Navigation	After completing this lesson, learners will be able to: • Describe the three main sections in the user interface of the Demand application. • Identify the key interface elements of the Flexible Editor (FE) page. • Explain the functions of the Search field in the user interface. • Explain the different business functions that can achieved using the Flexible Editor page. • Use the Filter function in the Flexible Editor page to run a secondary search for the desired data. • Use Compound Workspace to view data on multiple pages on a single screen.	1 hour
04: Demand Workbench	After completing this lesson, learners will be able to: • Describe the features and functionality of Demand Workbench. • View the desired DFUs in Demand Workbench based on a search criteria. • Configure Demand Workbench based on your business requirement.	2 hours
05: Basic History Cleansing	After completing this lesson, learners will be able to: • Explain the significance of history cleansing. • Identify the history cleansing methods used for accurate demand forecasting. • Explain the two history cleansing methods used in demand planning. • Run the history cleansing process to cleanse the history data before generating the forecast.	0.5 hours
06: Forecasting Techniques	After completing this lesson, learners will be able to: • Explain the different forecasting techniques used in demand planning. • Identify the algorithms associated with different forecasting techniques. • Compare algorithms to justify their appropriate usage in demand planning.	2 hours

07: Demand Classification	After completing this lesson, learners will be able to: • Describe the purpose of demand classification. • Locate the position of demand classification step in demand planning. • Illustrate the three stages of demand classification. • Identify the products that require demand classification. • Explain the three stages in the Demand Classification process. • Run the Demand Classification process for a series of products and review the output in the Demand Classification Manager page.	1 hour
08: Moving Average Algorithm	After completing this lesson, learners will be able to: • Explain the Moving Average algorithm technique used to generate a stable forecast. • Use the Moving Average algorithm to calculate forecast in the Demand Worksheet Draft page.	1.75 hour
09: Fourier Algorithm	After completing this lesson, learners will be able to: • Define the components of a time series model. • Describe the key model parameters for the Fourier algorithm. • Fine-tune the Fourier algorithm in the system.	1.5 hours
10: Lewandowski Algorithm	After completing this lesson, learners will be able to: • Describe the key Lewandowski algorithm parameters. • Use the Lewandoski algorithm based on different business cases to generate forecasts. • Identify statistical error measurements.	1.25 hours
11: AVS-Graves Algorithm	After completing this lesson, learners will be able to: • Explain the functions of AVS-Graves algorithm in demand forecasting. • Describe the key AVS-Graves algorithm parameters. • Adjust the forecast using AVS-Graves algorithm based on sales pattern in the system. • Identify the standard errors.	1 hour
12: Seasonality Manager	After completing this lesson, learners will be able to: • Describe the concept of seasonality in sales. • Explain the functions of Seasonality Manager tool. • Outline the steps to manage seasonality libraries. • Create a seasonality profile. • Attach a seasonal profile with a DFU.	1 hour

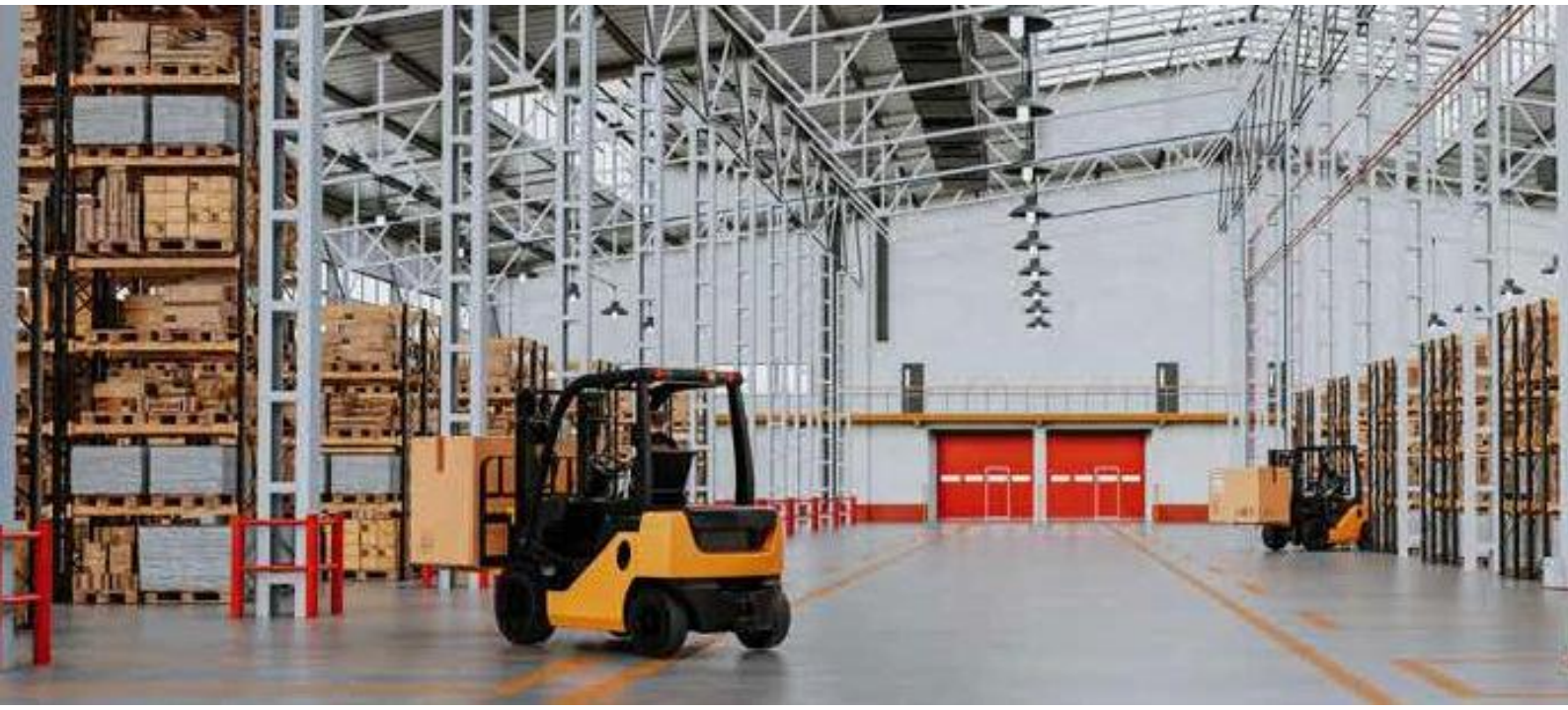
13: Managing Exceptions	After completing this lesson, learners will be able to: • Identify the position of demand exception management task in the demand planning cycle. • State the purpose of exception management. • Explain the system-generated exceptions to identify potential model problems. • Interpret the exception graphs. • View exceptions for all the DFUs. • Compare the exceptions in Demand Workbench and take appropriate action.	2.5 hours
14: Market Intelligencer	After completing this lesson, learners will be able to: • Describe the importance of market intelligence in forecasting. • Describe the forecast types • Explain the importance of overrides in forecasting. • Apply overrides in demand planning. • Explain the function of Data-Driven Events in forecasting. • Explain the mean value adjustments for forecasts. • Explain the functions of the Target feature in Demand application. • Explain the usage of forecast locks in demand planning.	4 hours
15: Product Lifecycle Management	After completing this lesson, learners will be able to: • Describe the key features used in forecasting new products. • Explain the ways of managing product lifecycle.	2.5 hours
16: Evaluating Forecast Performance	After completing this lesson, learners will be able to: • Identify the factors that affect forecast accuracy. • Describe the purpose of measuring forecast accuracy. • Explain the process of reviewing forecast performance data. • Explain how to conduct a flexible editor-based forecast performance analysis.	1.25 hours

17: Day in a Life—Forecasting Document	After completing this lesson, learners will be able to: • Describe the roles and responsibilities of a demand planner. • List the different activities scheduled for generating forecast from history data. • List the demand planner activities that are performed at the beginning and end of demand planning cycle. • Outline the approach for managing system generated demand exceptions.	1 hour

After completing the 3-day ILT, you will be provided with access to additional elective lessons and downloadable resources for self-study.

Hands-on Exercises: This course contains hands-on exercises for practicing the tasks covered in the lessons.

Note: The hands-on exercises will be practiced during the training sessions with the help of the instructor.



4166: Demand 360

Course Objectives

After completing this course, learners will be able to:

- Create accurate demand forecasts and collaborate across teams using D360.
- Configure key data required by D360, such as hierarchies and measures.
- Adjust data in the forecast using the Demand Worksheet.
- Apply overrides at different levels in the hierarchies.
- Aggregate and disaggregate data.
- Configure D360 worksheets.

Audience

Project Team members and end users

Prerequisites

No prerequisites are required for this course

Duration

1 day (in person or virtual)

Training Level

Intermediate and advanced

Lesson	Learning Objectives	Duration
01: Introduction to Demand 360	After completing this lesson, learners will be able to: • State the features and benefits of Demand 360. • Describe the Demand Worksheet. • List the two modes of deployment of Demand Worksheet.	2 hours
02: Exploring Training Environment Data	After completing this lesson, learners will be able to: • Review the data modelling and setup of the Demand Forecasting Units (DFUs) in the training environment. • Explain the various features and functionalities of Demand Worksheet.	1 hour
03: Demand 360 Building Blocks	After completing this lesson, learners will be able to: • Explain the Hierarchy Manager page settings. • Review the hierarchy level setup for product and location in the Hierarchy Manager page. • Explain the importance of measures in reviewing demand data. • Explain the types of measures. • Review the measures configured in the Measure Manager page.	2 hours

04: Exploring the Demand Worksheet	After completing this lesson, learners will be able to: • Review Demand Worksheet configuration. • Outline the high-level steps to set up the Demand Worksheet. • Configure the Demand Worksheet instance.	3 hours

Hands-on Exercises: This course contains hands-on exercises for practicing the tasks covered in the lessons.

Note: The hands-on exercises will be practiced during the training sessions with the help of the instructor.

7433: Enterprise Supply Planning

Course Objectives

After completing this course, learners will be able to:

- Explain the positioning of ESP in the landscape of supply chain.
- Illustrate the ESP architecture.
- Describe the main sections of the ESP interface.
- Review and edit master data using an FE page.
- Explain the components of data modeling in ESP.
- Review the dynamic data setup.
- Explain the process of generating a supply plan.
- Evaluate the supply plan using Plan Analysis, the Master Planner Workbench, the Scorecard, and Replenishment Dashboard.
- Describe the key capabilities of the Agile Workbench.
- Resolve demand exceptions, material exceptions, and resource exceptions in the respective agile workbenches.

Audience

Project Team members and end users

Prerequisites

No prerequisites are required for this course

Duration

3 days

Training Level

Intermediate and Advanced

Lesson	Learning Objectives	Duration
01: Enterprise Supply Planning—Product Overview	After completing this lesson, learners will be able to: • Describe the components of the Manufacturing Planning solution. • Explain the positioning of ESP in the landscape of supply chain functions. • Explain the functions of ESP. • Illustrate the ESP architecture. • Explain the various activities performed by a master planner. • List the different types of planning. • Describe the different industry models supported by ESP. • Explore the industries that are catered to by ESP.	1 hour

02: Basic Configuration and Navigation in ESP	After completing this lesson, learners will be able to: • Describe the main sections of the ESP interface. • Configure the properties on an FE page. • Review and edit master data using an FE page. • Add a Compound Workspace (CWS) page to the directory. • Review and edit master data using a CWS page.	2 hours
03: Master Production Planning Concepts	After completing this lesson, learners will be able to: • Explain the term order-centric. • Define the three types of demand elements. • Describe the three types of supply processes. • Identify the supply order outputs.	1.5 hours
04: Manufacturing Case Study	After completing this lesson, learners will be able to: • Describe the manufacturing and distribution network of a company. • Identify the business processes within the company. • Explain the components of data management.	1 hour
05: Defining Setup Data in ESP	After completing this lesson, learners will be able to: • Illustrate the order of data modeling activities as part of modeling ESP. • Explain the components of data modeling in ESP. • Add a SKU to the SKU table. • Modify the SKU Parameter tables. • Explain demand manipulation as part of forecast adjustments.	2 hours
06: Defining the Supply Processes in ESP	After completing this lesson, learners will be able to: • Identify the supply process types in ESP. • Explain the key supply process parameters. • Review how the data is modeled for the three supply process types. • Add a production step to the ProductionStep table. • Add a sourcing record to the Sourcing table.	2 hours

07: Setting Up Dynamic Data Inputs in ESP	After completing this lesson, learners will be able to: • Explain how ESP processes demand inputs. • Identify the input data tables. • Explain how ESP processes the supply inputs. • Identify the supply input data types in ESP. • Identify the supply input data tables. • Modify records in the SKU table.	2 hours
08: Generating the Master Plan in ESP	After completing this lesson, learners will be able to: • List the processes used in the various stages of the supply planning cycle. • Run the processes to the complete model setup task. • Describe various processes to set up independent demand data in ESP. • Run the processes to create demand orders. • Describe the process of prioritizing demand orders. • Generate the master plan using the MAP solver. • Describe the additional processes in ESP. • Create a process chain as it would be used in ESP.	3 hours
09: Working with Scenarios in ESP	After completing this lesson, learners will be able to: • Explain the scenario mode functionality. • Add, edit, copy, and delete a scenario in the Scenario page.	3 hours
10: Evaluating the Master Plan in ESP	After completing this lesson, learners will be able to: • Analyze demand and supply projections in Plan Analysis. • Evaluate production plans by resource in the Master Planner Workbench. • Assess the performance of the master plan using the Scorecard. • Review stock and forecast accuracy exceptions in the Replenishment Dashboard.	3 hours

11: Exception Management with the Agile Workbench	After completing this lesson, learners will be able to: • Describe the key capabilities of Agile Workbench. • Describe the purpose of hierarchies, measures, and the Define Startup Parameters Process in agile workbench. • Explain the functions of the Demand Supply Workbench, Material Workbench, and Resource Workbench. • Resolve demand exception, material exception, and resource exception the respective agile workbenches. • Identify the types of reports available in Agile Workbench. • Explain the function of the Network Simulator page in Resource Workbench. • Explain the function of the Apply Priority Overrides process in supply planning.	3.5 hours

After completing the 3-day ILT, you will be provided with access to additional elective lessons and downloadable resources for self-study.

Hands-on Exercises: This course contains hands-on exercises for practicing the tasks covered in the lessons.

Note: The hands-on exercises will be practiced during the training sessions with the help of the instructor.

5215: Inventory Optimization

Course Objectives

After completing this course, learners will be able to:

- Explain the importance of inventory optimization.
- Interpret the key business challenges of the organization.
- Identify the key data and respective input tables of the Inventory Optimization solution.
- Review the supply network on the Network Viewer page.
- Run the Transfer Forecast process in the Inventory Optimization application interface.
- Execute the Segmentation process through the Segmentation Workbench.
- Execute the Analyze Replenishment Policy process.
- Optimize inventory and review the output.
- Execute the Publish IO Plan process.
- Describe sensitivity analysis in inventory management.
- Use the Root Cause Analysis page to analyze the impact of changes to safety stock targets.
- Optimize the inventory plan when a location is temporarily restricted from storing finished goods.
- Describe the business need for data modeling in the Inventory Optimization application.

Audience

Project Team members and end users

Prerequisites

No prerequisites are required for this course

Duration

3 days

Training Level

Intermediate and Advanced

Lesson	Learning Objectives	Duration
01: Introduction to Inventory Optimization	After completing this lesson, learners will be able to: • Explain the importance of inventory optimization. • Explain the concept of Response Buffer in inventory management. • Illustrate the Inventory Optimization solution architecture. • Identify the different components of the IO solution. • Describe the functional capabilities of the IO solution.	1 hour
02: Case Scenario: Business Requirement	After completing this lesson, learners will be able to: • Analyze the supply chain network of an organization. • Interpret the key business challenges of the organization.	1 hour

03: Navigation Basics	After completing this lesson, learners will be able to: • Identify the basic navigation features of the Blue Yonder Supply Chain Planning and Optimization (SCPO) user Interface. • Demonstrate how to use the SCPO application.	2 hours
04: IO Data Modeling Basics	After completing this lesson, learners will be able to identify the key data and respective input tables of the Inventory Optimization solution.	1 hour
05: Exploring IO Processes	After completing this lesson, learners will be able to identify the end-to-end process workflow for generating an inventory plan using the Inventory Optimization application.	1 hour
06: Level SKUs and Network Viewer Processes	After completing this lesson, learners will be able to: • Explain the Level SKUs process. • Execute the Level SKUs process. • List the input and output tables involved in the process. • Identify the various fields available in the Level SKUs process pages. • Review the supply network in the Network Viewer page.	0.5 hour
07: Transfer History and Transfer Forecast Processes	After completing this lesson, learners will be able to: • Explain the Transfer History and Transfer Forecast processes. • List the input and output tables involved in the processes. • Describe the various fields available on the Transfer History and Transfer Forecast process pages. • Run the Transfer Forecast process in the Inventory Optimization application interface.	0.5 hour
08: Calculate the WMAPE Process	After completing this lesson, learners will be able to: • Explain the Calculate WMAPE process. • Describe the values to calculate WMAPE. • Execute the Calculate WMAPE process.	1 hour
09: Calculate the Mean Daily Demand Process	After completing this lesson, learners will be able to: • Explain the Calculate Mean Daily Demand process for each SKU in the network. • List the input and output tables involved in the process. • Describe the various fields available on the Calculate Mean Daily Demand process pages. • Execute the Calculate Mean Daily Demand process.	1 hour

10: Segmentation Process	After completing this lesson, learners will be able to: • Identify the different components of the Segmentation process. • List the input and output tables involved in the process. • Describe the various fields available in the Segmentation Workbench process page. • Execute the Segmentation process through the Segmentation Workbench.	2 hours
11: Analyze Replenishment Policy Process	After completing this lesson, learners will be able to: • Explain the Analyze Replenishment Policy process. • List the input and output tables involved in the process. • Describe the various fields available in the Analyze Replenishment Policy process page. • Execute the Analyze Replenishment Policy process.	1.5 hours
12: Optimize Inventory and Review Target Pivot Processes	After completing this lesson, learners will be able to: • Describe the usage of the Optimize Inventory process. • Explore the different options available in the Optimize Inventory process. • Describe the usage of the Review Target Pivot. • Optimize inventory and review the output. • Add a graph to the Review Target Pivot.	2 hours
13: Publish IO Plan Process	After completing this lesson, learners will be able to: • Describe the various fields available in the Publish IO Plan process page. • List the input and output tables involved in Publish IO Plan process. • Execute the Publish IO Plan process.	1 hour
14: Sensitivity Analysis	After completing this lesson, learners will be able to: • Describe sensitivity analysis in inventory management. • Compare sensitivity pivot with the Review Target Pivot • Attach the sensitivity to a SKU and review the impact.	1 hour
15: Instance Support	After completing this lesson, learners will be able to: • Define the Instance Support feature. • Explore the use of Instance Support feature.	0.5 hours

16: Root Cause Analysis	After completing this lesson, learners will be able to: • Explain the significance of the Root Cause Analysis process. • Identify the key features of the Root Cause Analysis Workbench. • Use the Root Cause Analysis Workbench to identify the reasons for significant changes in the safety stock targets.	1 hour
17: Including Cycle Time in Lead Time Parameters	After completing this lesson, learners will be able to: • Describe the significance of the Include Cycle Time in Lead Time parameter. • Optimize the inventory plan to consider replenishment cycle time.	1 hour
18: Impact of Not Storing Inventory at a Location	After completing this lesson, learners will be able to optimize the inventory plan when a location is temporarily restricted from storing finished goods.	1 hour
19: Intermediate Node WMAPE	After completing this lesson, learners will be able to: • Explain the function of Weighted Mean Absolute Percent Errors (WMAPE) in generating an inventory plan. • Explain the CalcMSE rule options. • Calculate WMAPE values at the intermediate nodes.	1.5 hour
20: WMAPE Grouping	After completing this lesson, learners will be able to: • Explore the usage of the WMAPE process with Item/Location/Channel group combinations. • Execute the Calculate WMAPE process with grouping options.	1 hour
21: IO Data Modeling (Advanced)	After completing this lesson, learners will be able to decode the business need for data modeling in the Inventory Optimization application.	1.5 hours

After completing the 3-day ILT, you will be provided with access to additional elective lessons and downloadable resources for self-study.

Hands-on Exercises: This course contains hands-on exercises for practicing the tasks covered in the lessons.

Note: The hands-on exercises will be practiced during the training sessions with the help of the instructor.

4198: Basics of Sequencing

Course Objectives

After completing this course, learners will be able to:

- Explain key supply chain and scheduling concepts and issues facing businesses today.
- List the purpose and benefits of using Blue Yonder Sequencing.
- Create a simple and realistic model of a manufacturing environment using the Platform UI.
- Run and review optimized schedules in the Schedule Board.
- Create additional sub-models as necessary to add appropriate detail and complexity to the manufacturing model.
- Evaluate optimized schedules for feasibility and adjust the model accordingly.
- Identify the additional model elements required to perform multi-stage scheduling.
- Describe the purpose and benefits of using Pooled Reusable Resources and the Rate Adjust Processor.

Audience

Project Team members and end users

Prerequisites

No prerequisites are required for this course

Duration

3 days

Training Level

Intermediate and Advanced

Lesson	Learning Objectives	Duration
01: Overview of Blue Yonder Sequencing	After completing this lesson, learners will be able to: • Explain the Blue Yonder Sequencing solution in supply chain business cycle context. • Identify the different levels of planning in supply chain and the level Sequencing addresses. • Describe the sequencing setup and cycle activities required to create and maintain production order schedules in the Sequencing solution. • Describe the typical scheduling problems in manufacturing companies. • Explain the benefits of Sequencing.	1 hour
02: Schedule Board Tour	After completing this lesson, learners will be able to: • Identify the components of the Schedule Board page. • Review a schedule in the Schedule Board page.	1 hour

03: Key Sequencing Concepts & Vocabulary	After completing this lesson, learners will be able to: • Describe the key factors considered in building a manufacturing or algorithm model. • Outline the steps for building manufacturing and algorithm models.	2 hours
04: Core Elements of the Manufacturing Model	After completing this lesson, learners will be able to: • Identify the core elements of the manufacturing model. • Describe the Blue Yonder Sequencing tables that hold the core elements of the manufacturing model.	1 hour
05: The Optimizer Engine	After completing this lesson, learners will be able to describe the process of creating a production schedule in the optimizer engine.	2 hours
06: The Algorithm Model – Select & Calibrate Metrics	After completing this lesson, learners will be able to: • Explain the functions of the key metrics used in Blue Yonder Sequencing. • Explain how to calibrate metric weights and penalties.	3 hours
07: The Algorithm Model – Perturbations	After completing this lesson, learners will be able to: • Explain the concept of perturbations in Blue Yonder Sequencing solution. • Describe the different types of perturbations available in the Blue Yonder Sequencing solution.	1.5 hours
08: The Algorithm Model – Other Parameters	After completing this lesson, learners will be able to: • Explain the two types of algorithm model available in the Blue Yonder Sequencing solution. • Describe the additional parameters that affect the algorithm model. • Describe the various algorithm model tables and their relations. • Explain the purpose of linking an algorithm model to a manufacturing model.	1 hour
09: Creating and Editing a Manufacturing Model	After completing this lesson, learners will be able to: • Navigate through the relevant pages used to build and maintain a manufacturing model. • Update the manufacturing data for an existing manufacturing model. • Add and update fundamental elements of the manufacturing model, such as SKUs, UDAs, and production orders. • Add a SKU-based rate model. • Add a new model or copy a model.	1.5 hours

10: Creating and Editing an Algorithm Model	After completing this lesson, learners will be able to: • Describe the benefits and the components of the Platform Algorithm Manager. • Navigate through the Algorithm Manager to effectively use key toolbars and menus. • Link an algorithm model to a manufacturing model. • Update algorithm data for an existing algorithm model.	1 hour
11: Editing a Schedule in the Schedule Board	After completing this lesson, learners will be able to: • Create a new schedule and run the optimizer for that schedule. • Review the new schedule in the Schedule Board page. • Create a new order and assign it to a resource. • Use the right-click menu options to modify existing assignments.	2 hours
12: Add Detail to a Manufacturing Model	After completing this lesson, learners will be able to: • Add constraints to a model, including: ➢ SKU groups ➢ Resource groups ➢ Changeovers ➢ Calendars • Add and configure the necessary metrics in the algorithm model to support added constraints. • Optimize the schedule and explain the results.	2 hours
13: Create Schedule Board Reports	After completing this lesson, learners will be able to: • Create and share reports. • Compare the metrics between two schedules.	1 hour
14: Multi-Stage Modeling	After completing this lesson, learners will be able to: • Identify the multi-stage modeling concepts. • Describe the additional tables used in a multi-stage model. • Review multi-stage modeling tables. • Describe the advanced Schedule Board functions for a multi-stage model.	2 hours

15: Pooled Reusables and the Rate Adjust Processor	After completing this lesson, learners will be able to: • Classify the resources used in the manufacturing model. • Explain the capabilities of Blue Yonder Sequencing solution in resolving the floating bottleneck problem in manufacturing. • Add the Rate Adjust Processor to the algorithm model. • Create a pooled reusable resource. • Optimize the schedule and explain the results.	2 hours

Hands-on Exercises: This course contains hands-on exercises for practicing the tasks covered in the lessons.

Note: The hands-on exercises will be practiced during the training sessions with the help of the instructor.

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