This course is intended for previous Users of ProModel & MedModel who have completed Essentials Training but may not have used the software for a while.

Our hope is that this training will help these Users "brush up" on their skills so they can again use the software to benefit their business.

ProModel 2018 Basic Refresher Training Webinar



Instructor Info:

Dave Tucker, LSSMBB ProModel Senior Consultant Office: 321.567.5642

dtucker@promodel.com

1/2018 Version 10.0
PM 2018 Refresher Training Webinar
For Software Version: 10.0
Copyright © 2018 ProModel Corporation
556 E Technology Way
Orem, UT 84097
801-223-4600



Course Objectives

- Review the basic features of ProModel
- Provide demonstrations of how to use ProModel
- 3. Show model examples
- 4. Answer Attendees' questions (as time allows)



Agenda

Sections

- 1. How to use ProModel
- 2. Locations, Entities, Arrivals & Processing
- 3. Resources & how to use them
- 4. Path Networks
- 5. User-Defined Expressions
- 6. Output Viewer
- 7. Scenarios
- 8. Wrap Up

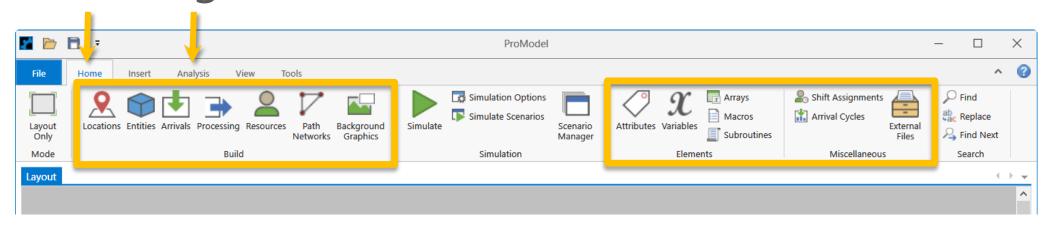
1. How to Use ProModel

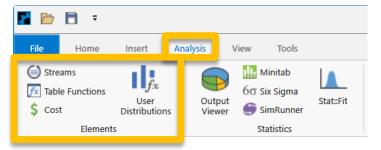
1/2018 Version 10.0 PM 2018 Refresher Training Webinar For Software Version: 10.0 Copyright © 2018 ProModel Corporation 556 E Technology Way Orem, UT 84097 801-223-4600



About the PM Interface

• PM is essentially driven by <u>tables</u> with records built directly by the User or built automatically in the background as the User works.



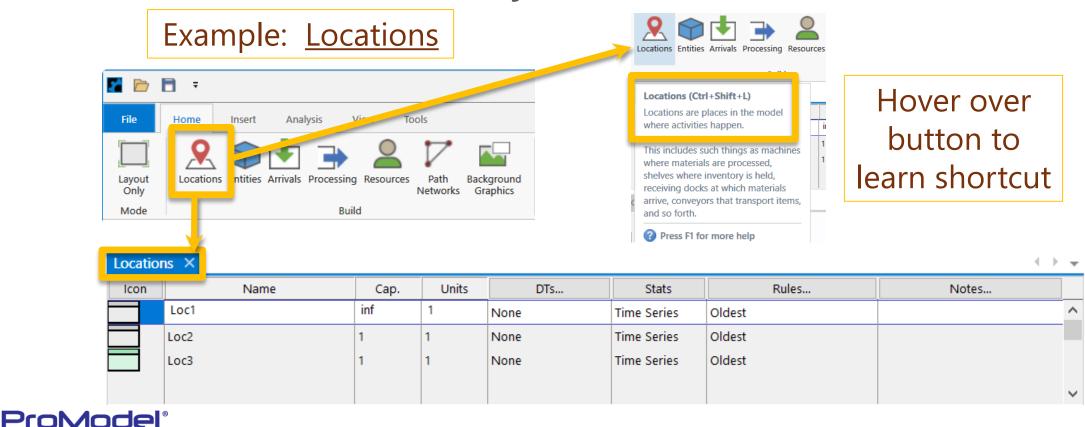




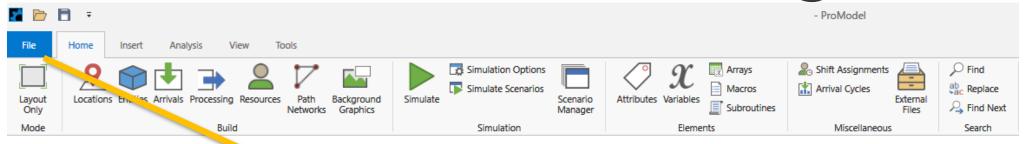
About the PM Interface

Better Decisions—Faster

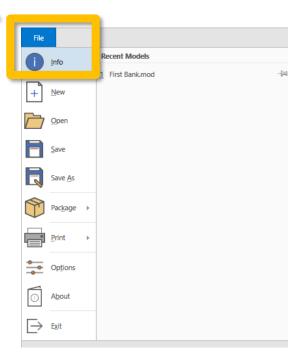
 Go to a model element table by using either the ribbon button or a keyboard shortcut.



PM Home Ribbon – Getting Started



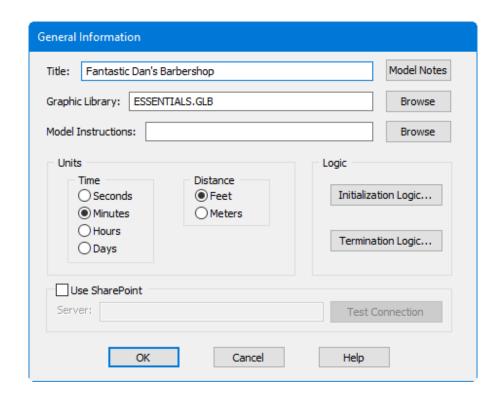
Select Info from the File menu





General Information

- 1. Give the model a title
- 2. Define the default model units
- 3. Define the graphics library
- 4. Hit "OK"
- 5. Go to "File ... Save As" name, & save the model!

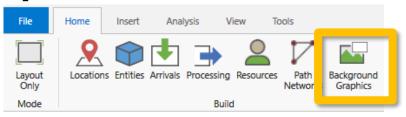


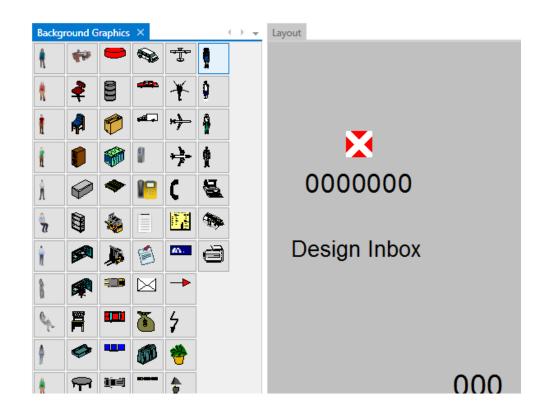
Note: Model will still work without a Title but you MUST have a file name!



Adding Background Graphics

- Select "Background Graphics"
- This opens the graphic library with images that can be used as background graphics



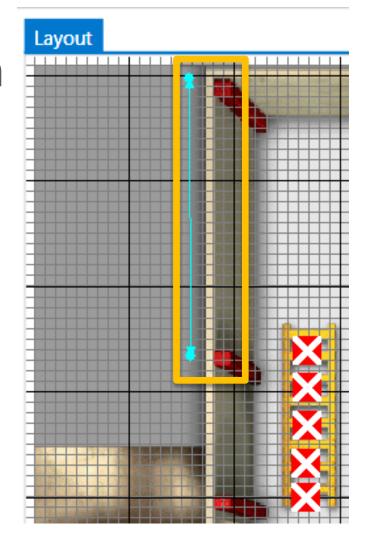




Scaling a background

A scaled background means your path segments and conveyors that are subsequently created will automatically have the correct length.

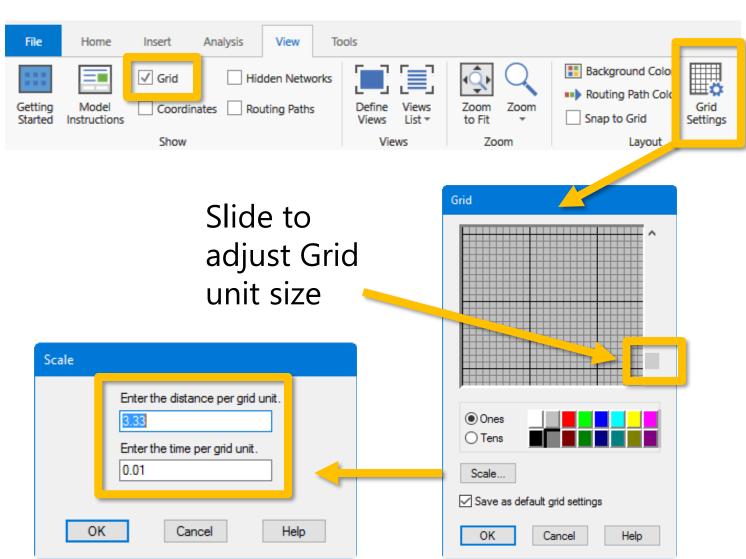
Scale the background using a known dimension and the "Grid."





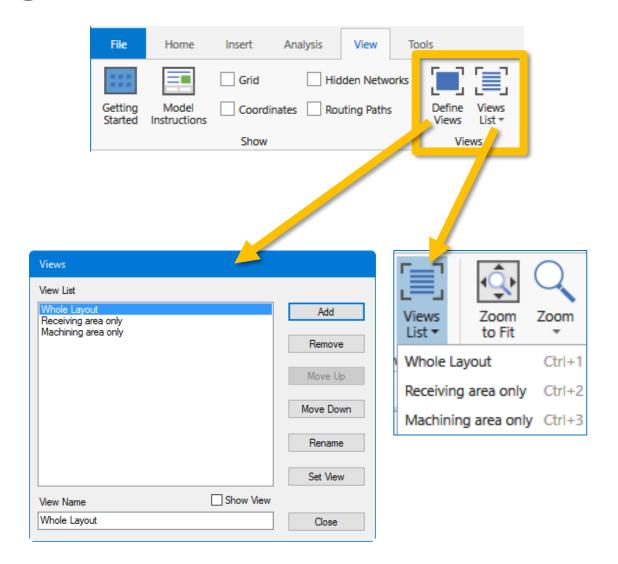
Scaling the Grid

- From the View ribbon, click on the Grid checkbox then select Grid Settings.
- You may adjust the size of grid units if needed and then select the Scale button.
- Enter the distance or time per grid unit.
- Distance / Grid Units = Distance per Grid Unit



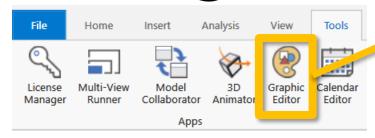
Saved Model Views

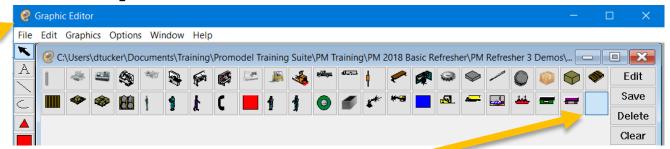
- Saved layout views can be created to help with screen navigation.
- From the View ribbon, select
 Define Views to Add to a list.
- The Views List shows all Views created.





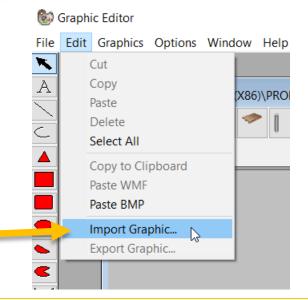
Creating New Graphics





- 1. From the "Tools" menu, choose the "Graphics Editor" ribbon button.
- 2. To create a new graphic select the blank box and use the custom tools to design the new graphic.
- 3. If you have the graphic saved to the clipboard simply select "Paste BMP" or "Paste WMF."
- 4. To import a graphic click on the "edit" button in the top ribbon and select "Import Graphic..." to choose an image from your computer.

 Note: Graphic image.



Note: Graphic images MUST be in a model's Graphic Library file if you want to use them as Entities, Resources, & Locations.



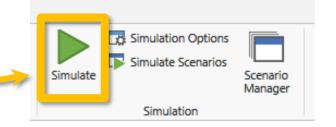
Run the Simulation

To start the simulation

Click the Play button on the ribbon

Select Run in Simulation Options

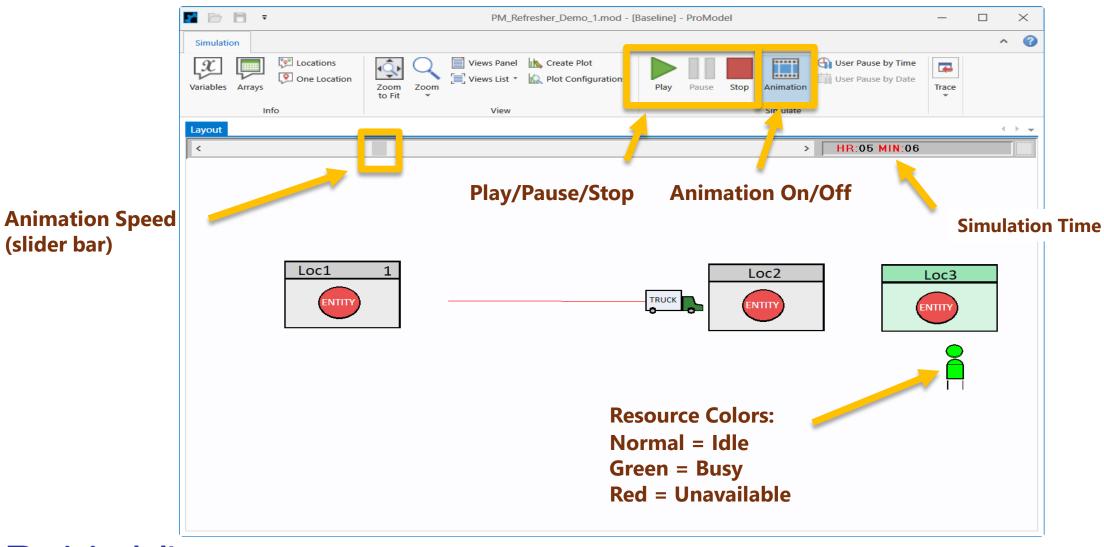
Or use F10 key or (Fn + F10) keys



| Simulation Options | |
|---|---|
| Output Path: Run Name: Baseline | Browse |
| Run Length Time Only Weekly Time Calendar Date Warmup Period | Disable ☐ Animation ☐ Cost ☐ Array Export ☐ Time Series |
| Warmup Time*: Run 40 hr *Time units default to hours unless otherwise | At Start Pause Display Model Notes Trace Show Views Panel General |
| Clock Precision O.001 Second Hour Minute Day | Adjust for Daylight Saving Time Generate Animation Script Common Random Numbers |
| Output Reporting Standard Batch Mean Periodic Interval Length: | Skip Resource DTs if Off-shift Recompile Mappings Output viewer(s) to launch |
| Number of Replications: 1 Run OK Car | ☐ Minitab |



Runtime Control





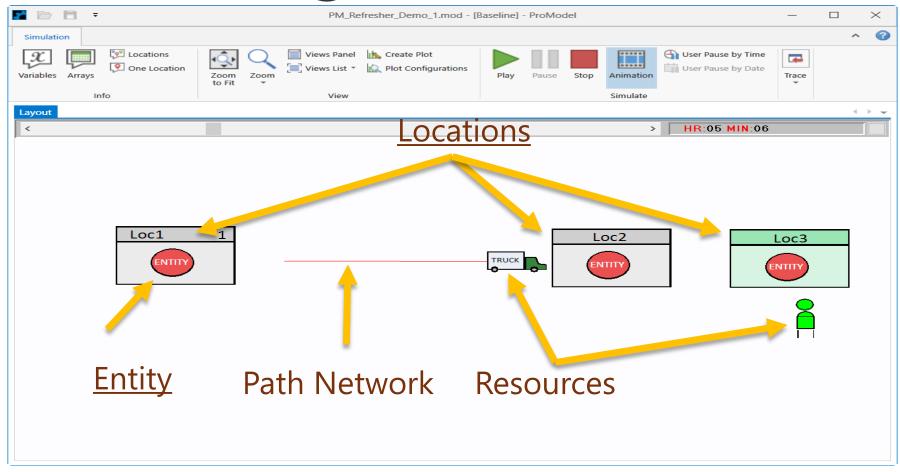
(slider bar)

2. Locations, Entities, Arrivals & Processing (L.E.A.P.)

1/2018 Version 10.0 PM 2018 Refresher Training Webinar For Software Version: 10.0 Copyright © 2018 ProModel Corporation 556 E Technology Way Orem, UT 84097 801-223-4600



Basic Modeling Elements



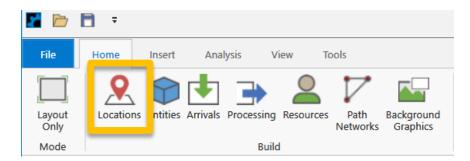


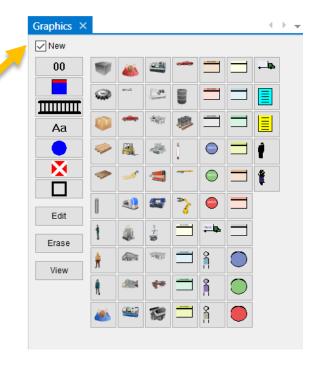
Note: <u>Arrivals</u> are not visible here! <u>Processing</u> may be shown or hidden.

Create Location (Process Steps)

- Select "Locations" from the Home menu ribbon.
- Click your chosen graphic and click on the layout to add the graphic to your workspace.

Tip: Remember to uncheck the New box if editing an existing Location record







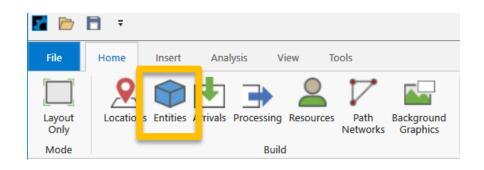
Location Record & Parameters

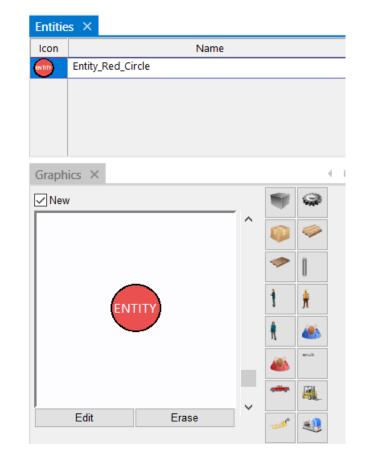
Add the Location Name Locations X Units Icon Name Cap. Loc1 inf Loc2 Loc3 Set the Location Capacity (999, "inf" and Location graphic "infinite" all work for unlimited capacity.



Create Entity

- Select "Entity" from your Home menu ribbon.
- Left-click an Entity graphic to add it to your model.
- Select the Entity's Record to adjust its parameters.

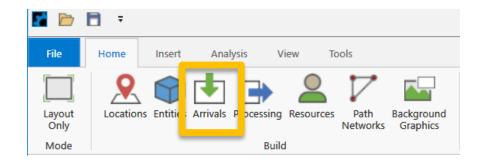


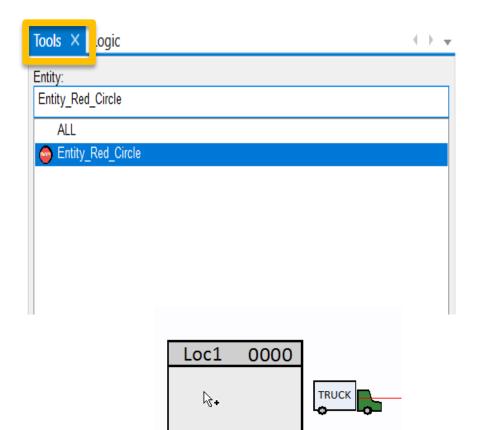




Arrivals

- To Create an Arrival:
- Select "Arrivals" from your Home menu ribbon.
- Use the "Tools" feature to create the Arrival automatically by left-clicking on the chosen location.







Arrival Parameters

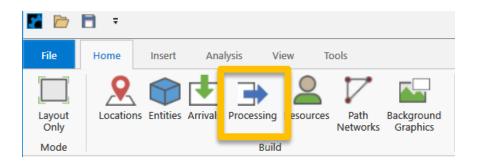
 In the Arrival Record manually adjust how the entities enter your model.

| Arrivals × | | | | | | | ← → | - |
|-------------------|----------|----------|------------|-------------|-----------|-------|---------|---|
| Entity | Location | Qty Each | First Time | Occurrences | Frequency | Logic | Disable | |
| Entity_Red_Circle | Loc1 | 1 | 0 | INF | 45 min | | No | ^ |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | ~ |



Processing

 Processing defines the process flow for entities from location to location, and to "Exit" (where the entity leaves the system).





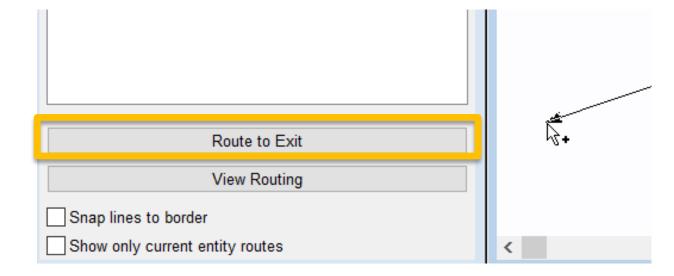
Processing

- To Create Processing:
- Select "Processing" from your Home menu ribbon.

 Use the "Tools" feature to create the process automatically by left-clicking on your first location and then left-clicking again on

your second location (etc).

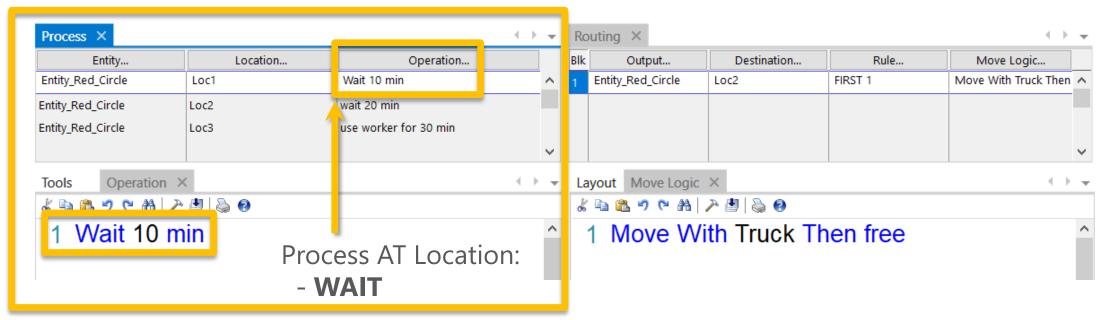
• Finish by clicking from your last location to the "Route to exit" button.





Process Record Information

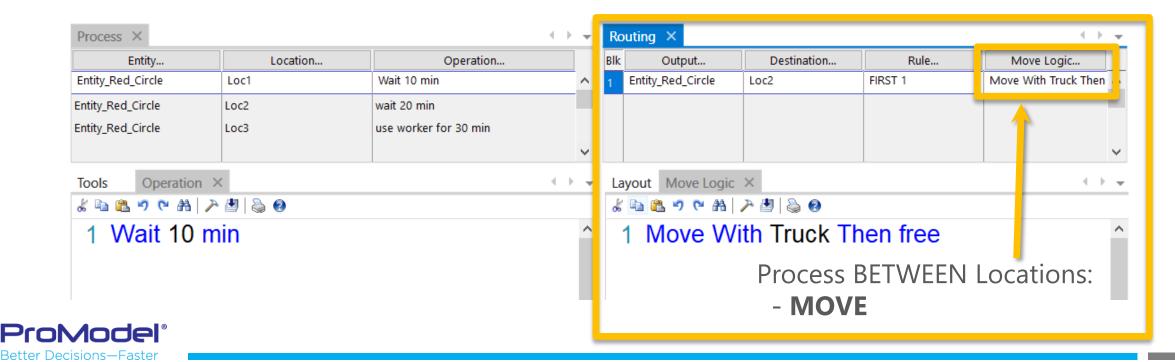
- The "Process" window specifies what happens to an entity at a given location.
- You can specify a process time with a WAIT statement in the Operation logic window.
- You can also create complex logic to execute processes at each location.



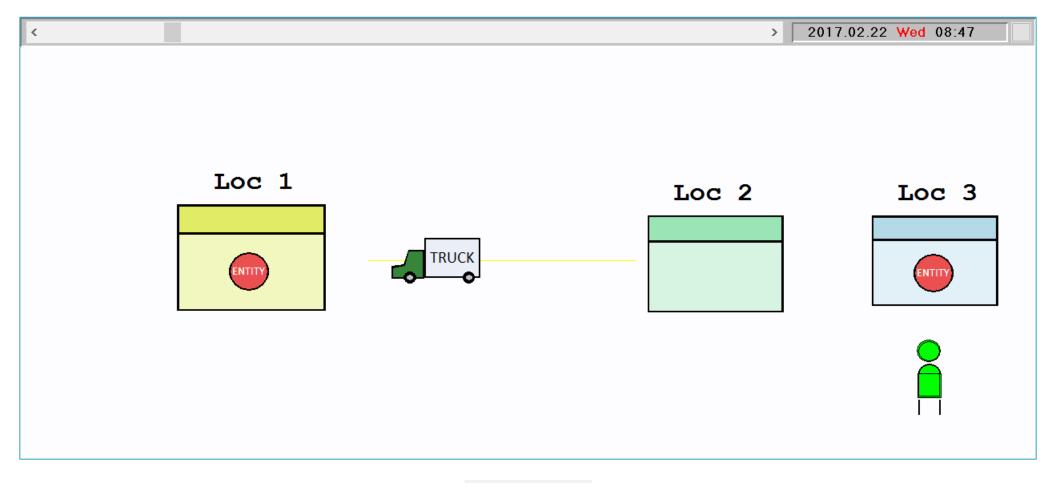


Process Routing Information

- The "Routing" window specifies <u>how an entity moves</u> from one location to another.
- When an entity moves between locations you can specify the amount of time it takes for that transportation using Move logic.
- You can also create complex logic or assign resources to the movement.



Demo 1: Build a Model Live

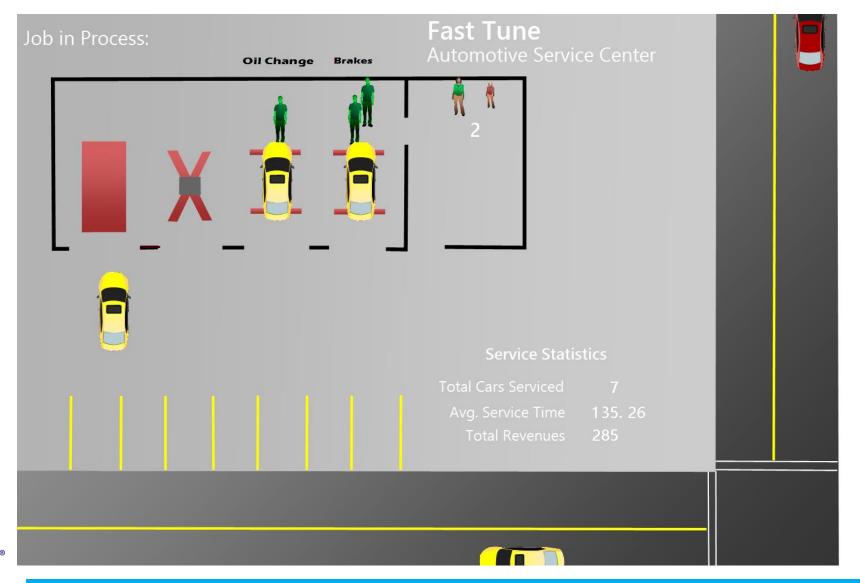




Poll #3

Demo 2: Model with LEAP

PM Demo: Automotive Service Center





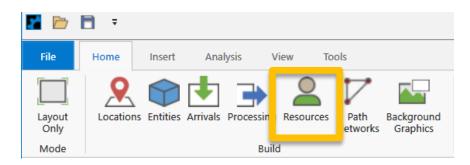
3. Resources & How to Use Them

1/2018 Version 10.0 PM 2018 Refresher Training Webinar For Software Version: 10.0 Copyright © 2018 ProModel Corporation 556 E Technology Way Orem, UT 84097 801-223-4600



Resources

- Select "Resources" from the Home menu ribbon.
- Choose your graphic
- If the Resource is to remain in one spot (a static resource) then click the "Add" button to place it on the model layout





| Resou | ırces × | | | | | | | | 4 → | ₩ |
|-------|---------|-------|------|---------------------|--------------------|--------|-------|-----|-------|---|
| Icon | Name | Units | DTs | Stats | Specs | Search | Logic | Pts | Notes | |
| å | Worker | 2 | None | By Unit, Time Serie | No Network | None | 0 | 1 | | ^ |
| TRUCK | Truck | 1 | None | By Unit, Time Serie | Network_Truck, n_H | None | 2 | 1 | | |
| | | | | | | | | | | |
| | | | | | | | | | | |



Controlling Resources

- Sometimes a worker or a piece of equipment must be available for a process to continue. There are several ways of requesting resources.
- Additionally, the same resource is often required for multiple steps of a process. ProModel has the functionality to precisely control when we *capture* and *release* Resources:
 - Use (in Logic)
 - Get (in Logic)
 - Free (in Logic)



Use Statement

- The Use statement is a method to capture a Resource in the logic, retain the resource for the defined process time, then release the Resource. The Use statement works the same as Get, Wait, & Free.
- Syntax: Use <Resource Name> For <duration> <units>

| Loc1 | Wait 10 min | |
|--------|-----------------------|----------------------------|
| | | |
| Loc2 | wait 20 min | |
| Loc3 | use worker for 30 min | |
| | | |
| | | ∢ → |
| 0 | | |
| 30 min | | |
| | Loc3 | Loc3 use worker for 30 min |



Get and Free Statements

- If we need more precise control over when we capture and release Resources, we can use the Get and Free statements.
- **Get** issues a request to capture the Resource. Once the Get statement is satisfied (the Resource is captured), the Entity will proceed to the next line of logic.

- Free will immediately free the listed Resource
- For example:

```
Wait 1 min
Get Worker 1
Wait 1 min
Get Worker 2
Wait 3 min
Free ALL
```



Move With

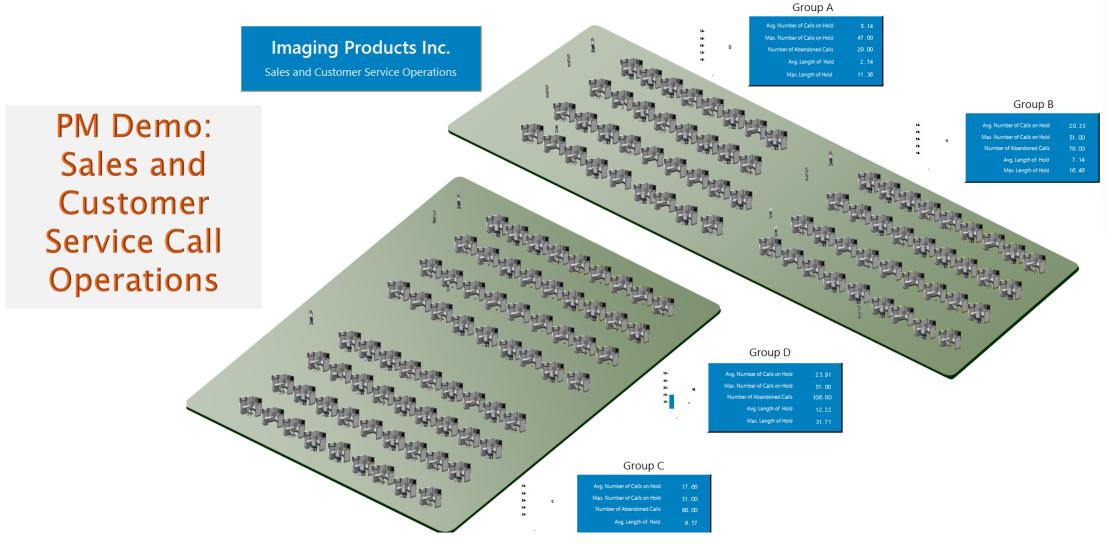
- If a resource has not been freed it will automatically move to the next location with the entity.
- To use a resource to move an entity to the next location (using the resources speed) create a Move With statement in the routing logic.
- Syntax: Move With <Resource Name> Then Free (optional)



Note: Other Entity Move statements include: Move On (a Path Network) & Move For (a set time)



Demo 3: Model with Multiple Resources





10 Minute Break

Webinar will resume at 2:10 pm ET





4. Path Networks

1/2018 Version 10.0 PM 2018 Refresher Training Webinar For Software Version: 10.0 Copyright © 2018 ProModel Corporation 556 E Technology Way Orem, UT 84097 801-223-4600



Path Networks

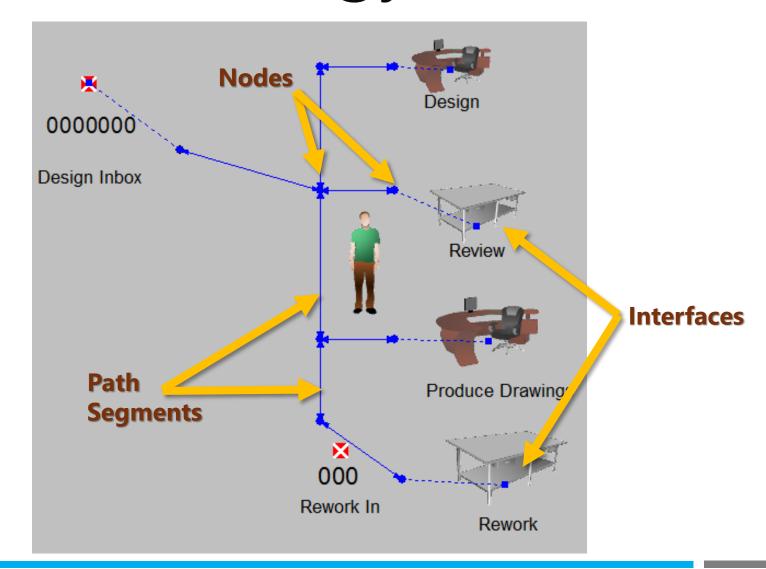
- Path Networks allow resources to move around the model
- Give you the ability to define the course of travel for Resources
- Selecting the *header* for: "Paths..." "Interfaces..." or "Nodes" takes you to other edit tables for these required elements.

| P | ath Networks × | | | | | | | () ▼ |
|---|----------------|---------------|---------|------------------|-------|------------|---------|----------|
| | Graphic | Name | Type | T/S | Paths | Interfaces | Mapping | Nodes |
| | | Network_Truck | Passing | Speed & Distance | 1 | 2 | 0 | 2 ^ |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | ~ |



Path Network Terminology

- Nodes
- Path Segments
- Interfaces



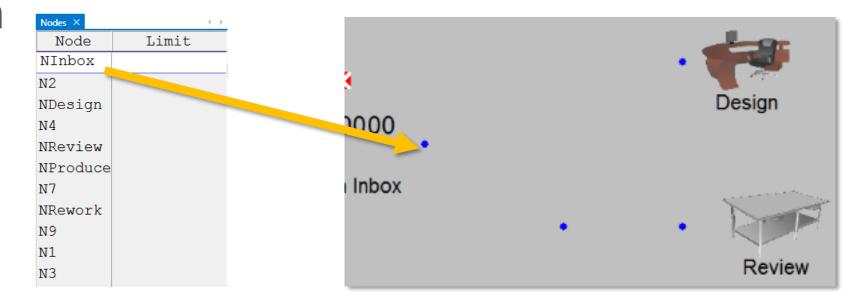


Nodes

Nodes are used as decision points and interface points

 Create a node at each point the Resource might need to make a decision or interface with a

location

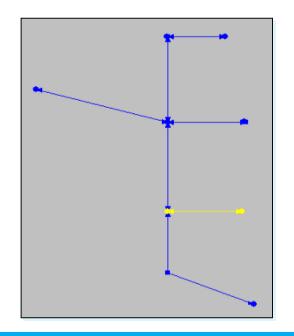




Path Segments

- Path segments are the lines of travel between nodes
- Each segment can have its own time or distance properties defined, or Uni-directional or Bi-directional settings

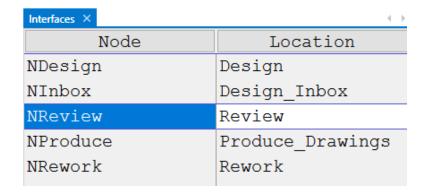
| Paths × | | | ← → |
|----------|----|----|----------|
| From | То | BI | Distance |
| NInbox | N2 | Bi | 17.72 |
| NDesign | N4 | Bi | 9.00 |
| N2 | N4 | Bi | 15.00 |
| NReview | N2 | Bi | 9.00 |
| NProduce | N7 | Bi | 9.00 |
| NRework | N9 | Bi | 12.20 |
| N7 | N9 | Bi | 10.00 |
| N7 | N2 | Bi | 18.00 |
| | | | |





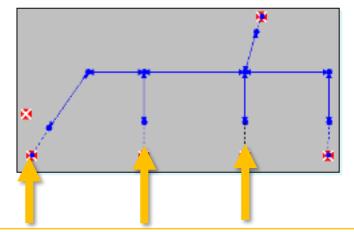
Interfaces

 Interfaces define the relationship between a node and a location



 If a Resource is told to work at a given location, the Resource will travel to the node associated with that location

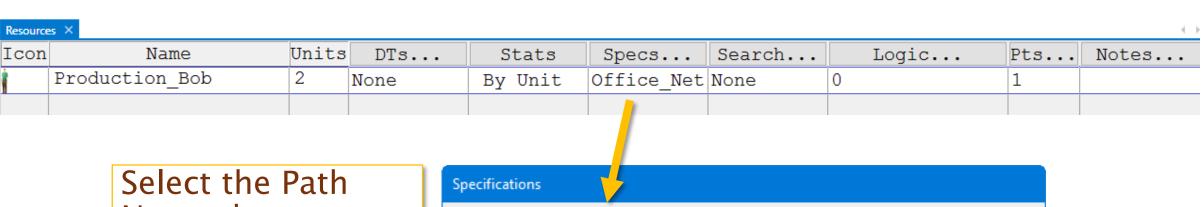
Note: A location can have only one interface. However, a single Node could interface with more than one location.



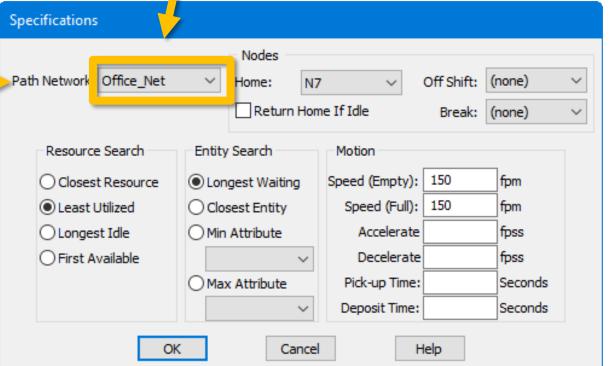
Interfaces show the relationship between path nodes and locations.



Dynamic Resources



Network name under "Specs" if you want a Resource to be dynamic and move between locations.

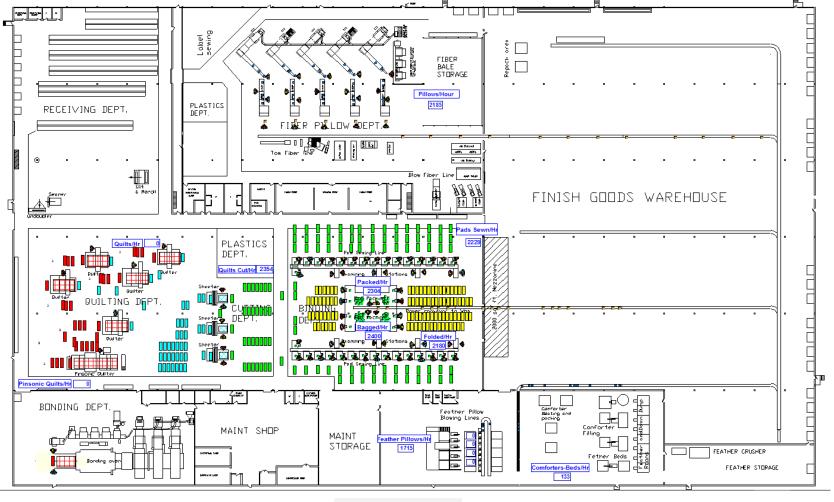




Demo 4: Model with Path Networks

Mattress Pad Factory Before

PM Demo:
Plant
Consolidation
and
Optimization





5. User-Defined Expressions

1/2018 Version 10.0 PM 2018 Refresher Training Webinar For Software Version: 10.0 Copyright © 2018 ProModel Corporation 556 E Technology Way Orem, UT 84097 801-223-4600



Variables



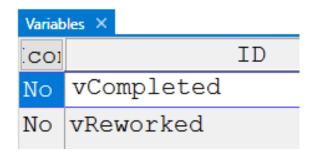
- Hold Real or Integer value
- Gather statistical information
- Perform calculations
- Provide more advanced logic control
- Display on-screen counters or system statistics

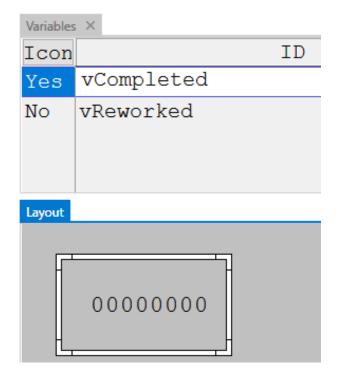
| Variables | × | | | | ← → |
|-----------|----|------|---------------|-------|-------|
| Icon | ID | Туре | Initial value | Stats | Notes |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |



Variables

 Displaying on-screen counters or system statistics: Click in the icon column. Then click on the Layout area.







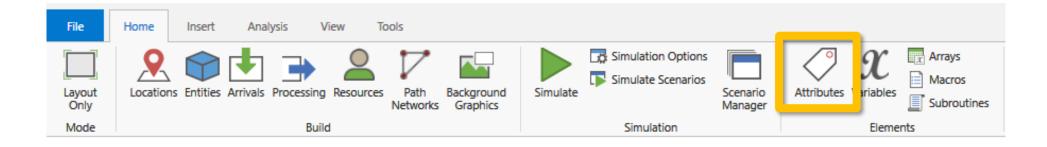
Attributes

- Used for identifying entities during processing or for tracking certain statistics.
- Not global—value is held by each entity independently.
- Initial value assigned to all entities as they enter the system.
- May be Real or Integer.



Attributes

Access Attributes from the Home ribbon

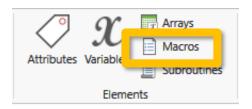


Attributes edit table

| Attributes × | | | | | | | |
|--------------|---------|----------------|-------|--|--|--|--|
| ID | Туре | Classification | Notes | | | | |
| aReworked | Integer | Ent | | | | | |
| | | | | | | | |
| | | | | | | | |



Macros



- A Macro is an expression which can represent a number, a distribution, text, or a section of code that might be used repetitively throughout your model.
- Macros can also be used as parameters in the Scenario Manager for scenario analysis.
- Select "Macros" from the Home ribbon under Elements.
- Define the Macro (in the Macros table) and then enter the Macro in Location Properties or logic, for example.
- When you want to change a Macro value, do so in the Macros table or, if it's a temporary change, you can modify it in the Scenario Manager.



Macros

Macro Name
 Text (or Logic)
 Macro Options

| Macros × | | | | | | |
|-----------------|---|------|----------|--|--|--|
| ID | | Text | Options | | | |
| mBobUnits | 1 | | Scenario | | | |
| mDesignCapacity | 1 | | Scenario | | | |



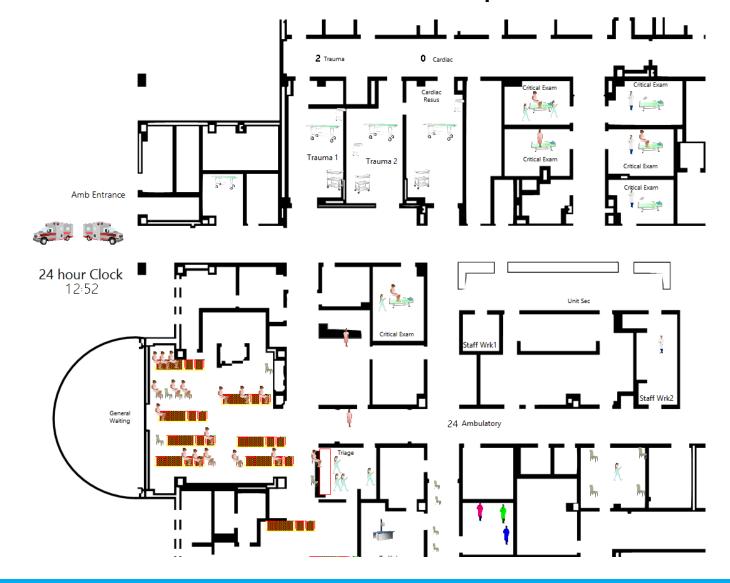
Which Expression to Use?

| Expression | Definition | Use When | Notes |
|------------|-------------------------------------|---|---|
| Attribute | Integer or Real number | Entity characteristic determines action or route Needed along with a Variable to track items | Not Global; they are independent to each Entity No Output Viewer Stats! Exist only during model run |
| Macro | Number, Distribution, or Text | Value is repeated multiple places in model Needed for Scenario parameter Want a single table to edit many expressions used in logic | Global to entire model No Output Viewer Stats! Exist only during model run Value cannot be changed after model run begins! |
| Variable | Integer or Real number | Counting itemsNeeded to trigger actionValue needs to change during model run | Global to entire modelYes, Output Viewer Stats!Can be displayed onscreen |



Demo 5: Model with User Defined Expressions

MM Demo: Emergency Dept with Scenarios





Poll #5

6. Output Viewer

1/2018 Version 10.0 PM 2018 Refresher Training Webinar For Software Version: 10.0 Copyright © 2018 ProModel Corporation 556 E Technology Way Orem, UT 84097 801-223-4600



About the Output Viewer

- A data file is generated every time a model runs
- The OV links to that file allowing data mining

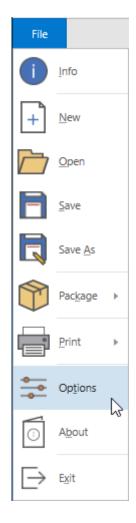


- Custom charts & tables can be built and saved so they populate with new data after each run
- TIP: Always determine some key process metrics early in a model project so you can compare output results later from different Scenarios





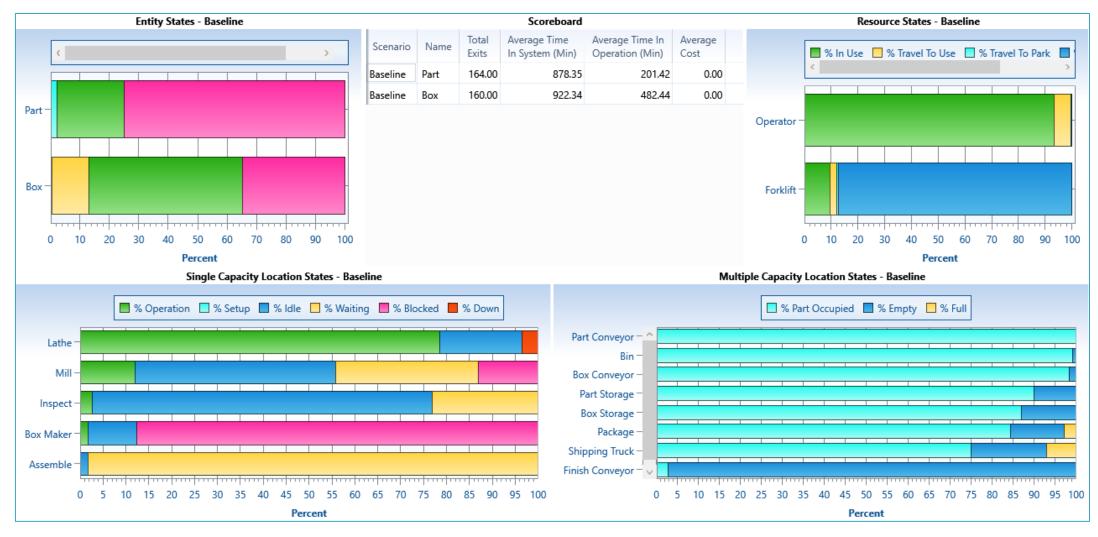
About the Output Viewer



| Options | | | | | | | |
|---|--------|--|--|--|--|--|--|
| Default Folders | | | | | | | |
| Models: C:\Users\rdossantos\Documents\ProModel\Models | Browse | | | | | | |
| Graphics Library: C:\Users\rdossantos\Documents\ProModel\Graphics | Browse | | | | | | |
| Output Results: C:\Users\rdossantos\Documents\ProModel\Output | Browse | | | | | | |
| Auto-Save: C:\Users\rdossantos\Documents\ProModel\Models | Browse | | | | | | |
| Default File | | | | | | | |
| Graphics Library: C:\Program Files (x86)\ProModel Corporation\ProModel\10.0\Gr | Browse | | | | | | |
| Auto-Save Interval Confirm record deletion Recalculate path lengths when adjusted | | | | | | | |
| Color Font Consolas, 10 | | | | | | | |
| OK Cancel Help | | | | | | | |



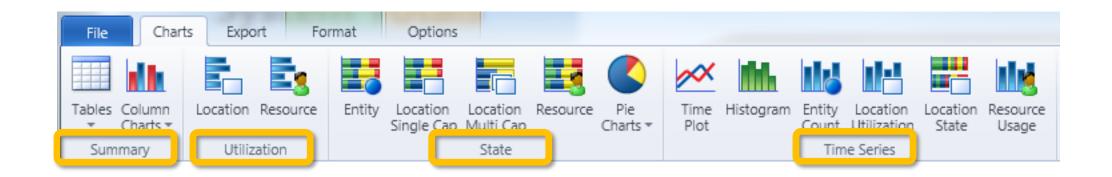
Results – Default View





OV Chart Menu

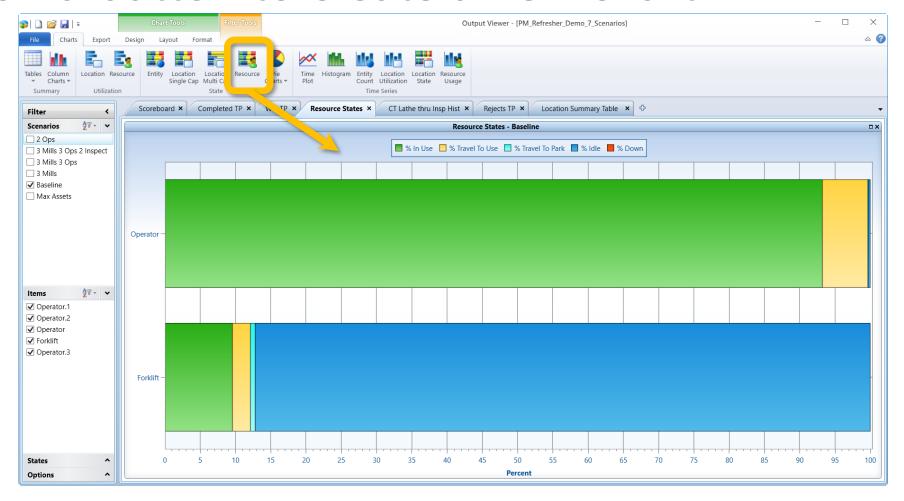
- Summary Tables & Column Charts
- Utilization Locations & Resources
- State Entities, Locations, & Resources
- Time Series Data over the model run





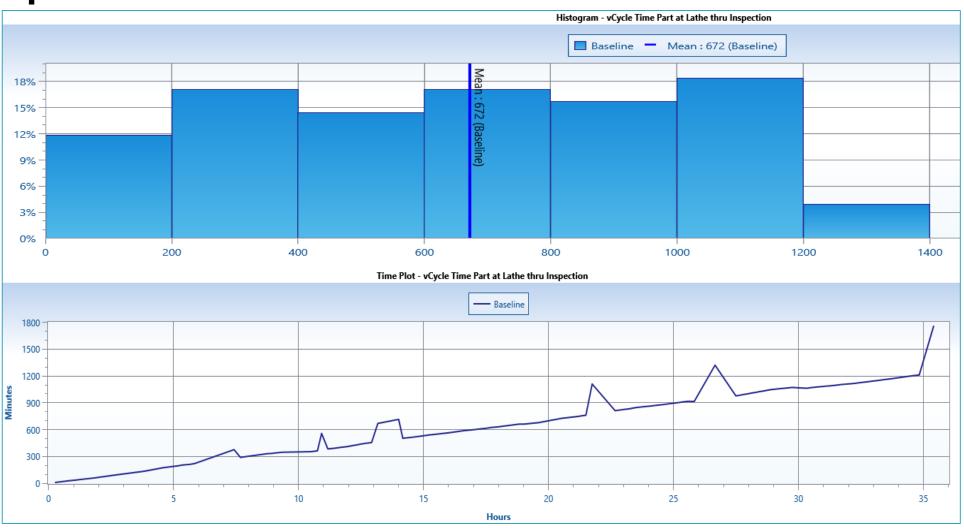
Create a Chart

Click on a button to create a new chart



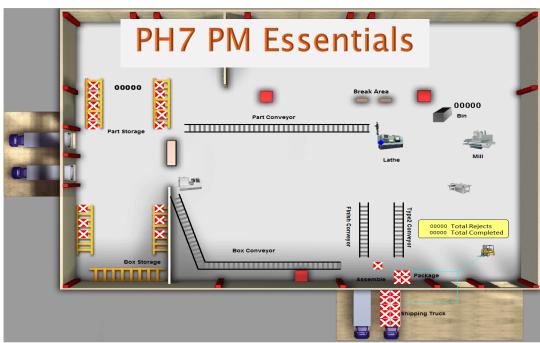


Output Views—User-Defined





Demo 6: Model Results in Output Viewer



*Key Output Results you should <u>Always</u> analyze include:

- Throughput (i.e., Entity Exits)
- Cycle/Lead Time (process beginning to end)
- Work in Process (WIP)
- Location & Resource Utilization

| | | | | | | | , | |
|-----------------|------------------------|------------|------------------|---------------------------------|---------------------|---------------------|---------------------|------------------|
| Name | Scheduled Time (Hr) | Capacity | Total Entries | Average Time Per Entry (Min) | Average Contents | Maximum Contents | Current Contents | % Utilization |
| Part Storage | 36.00 | 999,999.00 | 540.00 | 322.44 | 80.61 | 195.00 | 190.00 | 0.01 |
| Bin | 36.00 | 999,999.00 | 316.00 | 635.84 | 93.02 | 188.00 | 187.00 | 0.01 |
| Part Conveyor | 36.00 | 999,999.00 | 350.00 | 277.91 | 45.03 | 50.00 | 50.00 | 90.06 |
| Box Conveyor | 36.00 | 999,999.00 | 210.00 | 437.58 | 42.54 | 45.00 | 45.00 | 94.54 |
| Box Storage | 36.00 | 999,999.00 | 42.00 | 654.44 | 12.73 | 28.00 | 27.00 | 0.00 |
| Shipping Truck | 36.00 | 16.00 | 164.00 | 94.04 | 7.14 | 16.00 | 4.00 | 44.62 |
| Package | 36.00 | 4.00 | 164.00 | 24.17 | 1.84 | 4.00 | 0.00 | 45.89 |
| Lathe | 36.00 | 1.00 | 300.00 | 5.66 | 0.79 | 1.00 | 1.00 | 78.56 |
| Mill | 36.00 | 1.00 | 130.00 | 9.36 | 0.56 | 1.00 | 1.00 | 56.31 |
| Finish Conveyor | 36.00 | 999,999.00 | 58.00 | 1.03 | 0.03 | 1.00 | 0.00 | 0.15 |
| Type2 Conveyor | 36.00 | 999,999.00 | 106.00 | 0.44 | 0.02 | 1.00 | 0.00 | 0.24 |
| Inspect | 36.00 | 1.00 | 76.00 | 7.34 | 0.26 | 1.00 | 0.00 | 25.84 |
| Box Maker | 36.00 | 1.00 | 15.00 | 128.79 | 0.89 | 1.00 | 1.00 | 89.44 |
| Assemble | 36.00 | 1.00 | 165.00 | 12.87 | 0.98 | 1.00 | 1.00 | 98.35 |

| | | | | | | Resource Summai | у |
|----------|-------|------------------------|--------------------|----------------------|---------------------------------|-------------------------------------|------------------|
| Name | Units | Scheduled Time (Hr) | Work Time (Min) | Number Times Used | Average Time Per Usage (Min) | Average Time Travel To Use (Min) | % Utilization |
| Operator | 1.00 | 34.00 | 2,032.90 | 700.00 | 2.72 | 0.19 | 99.65 |
| Forklift | 1.00 | 36.00 | 261.54 | 164.00 | 1.26 | 0.34 | 12.11 |



Location Summary

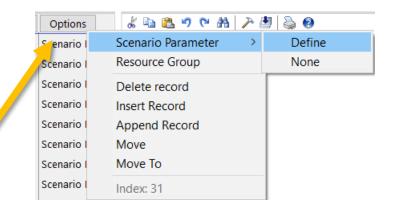
7. Scenarios

1/2018 Version 10.0 PM 2018 Refresher Training Webinar For Software Version: 10.0 Copyright © 2018 ProModel Corporation 556 E Technology Way Orem, UT 84097 801-223-4600



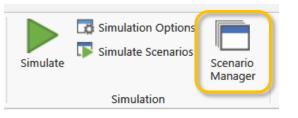
Macro as Scenario Parameter

- You can't run a scenario if you don't have some element of your model to experiment with.
- You can ONLY run Scenarios in PM using Macros!
- Select the "Options" button located at the far right corner of the Macro table and select "Define."
- Edit the Macro's scenario parameters.



| Parameter definition for mPL2_Inventory_Tech | | | | | |
|--|--|--|--|--|--|
| Parameter Name: minventory_Tech | | | | | |
| Prompt | | | | | |
| Ounrestricted Text | | | | | |
| Record Range | | | | | |
| Numeric Range | | | | | |
| From 0 To 20 | | | | | |
| OK Cancel Help | | | | | |

Scenario Manager



- Scenario Manager allows you to adjust the "levels" of the macros you defined for each run of the model.
- Click the "Plus" button next to the baseline scenario to create a new scenario.
- Choose a descriptive name for your scenario and edit the macro values.
- Note: It's best to change only one macro per scenario initially. Later you can combine significant factors by changing more than one macro as needed in additional scenarios.



Simulate Scenarios



 You can enable or disable each scenario for comparison by clicking on the checkbox under the Scenario title.

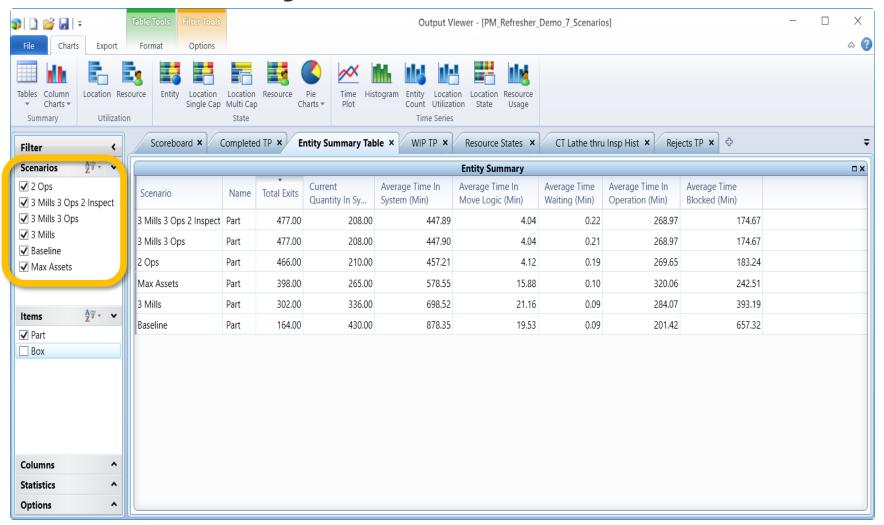
Run the enabled Scenarios by clicking the Run Scenarios

button

| Sce | nario Manager | | | | | | | | x |
|-----|---------------------|----------|----------------|----------------|----------------|----------------|----------------|----------------|--------|
| # | Parameters | Baseline | 2 Bob 1 Design | 2 Bob 2 Design | 2 Bob 3 Design | 1 Bob 2 Design | 1 Bob 3 Design | 3 Bob 3 Design | 4 |
| | Simulate Scenario? | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | Last Simulation Run | | | | | | | | |
| * | mBobUnits | 1 | 2 | 2 | 2 | 1 | 1 | 3 | |
| * | mDesignCapacity | 1 | 1 | 2 | 3 | 2 | 3 | 3 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 3 |) | | | | | | Run Scenarios | ОК | Cancel |



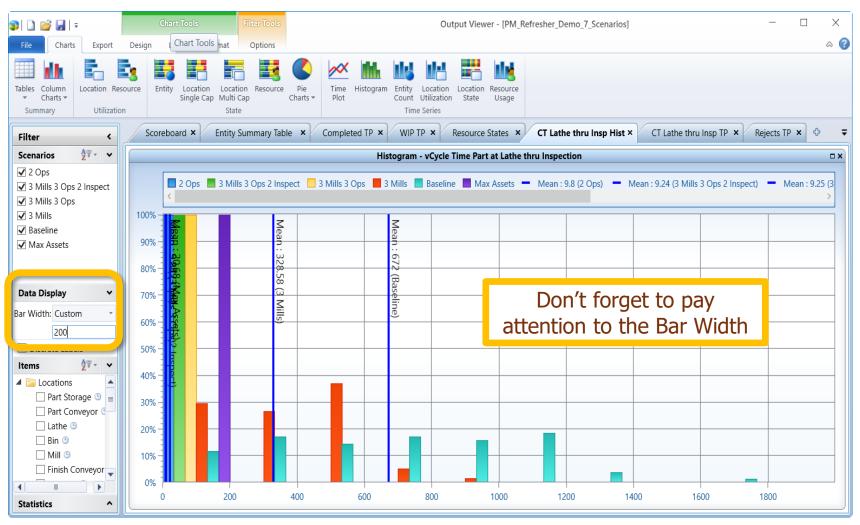
Scenario Analysis - Tables





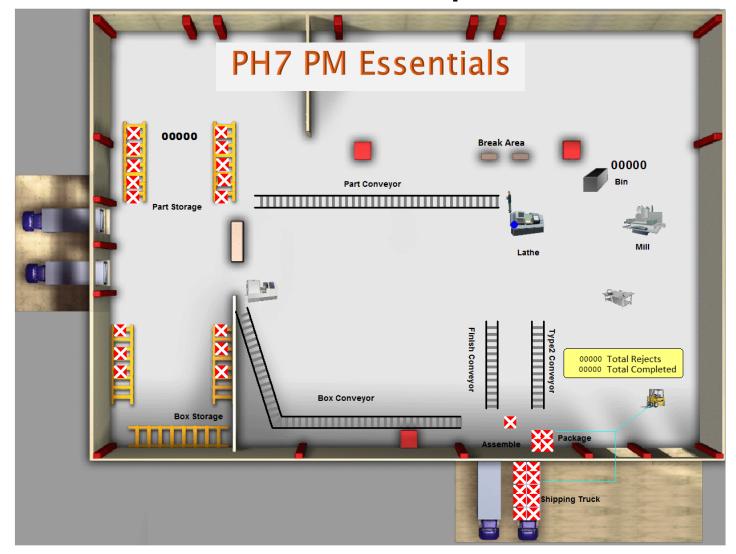
Scenario Analysis - Charts

Histograms (Cycle Time)





Demo 7: Model with Multiple Scenarios







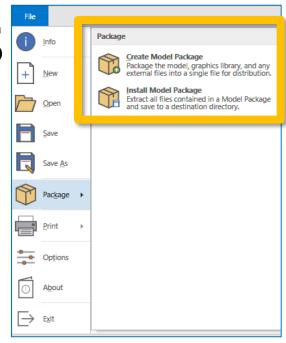
Wrap Up

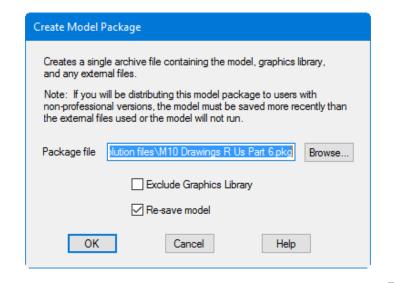
1/2018 Version 10.0 PM 2018 Refresher Training Webinar For Software Version: 10.0 Copyright © 2018 ProModel Corporation 556 E Technology Way Orem, UT 84097 801-223-4600



Creating Model Packages

- Sharing or archiving models is easy.
- Click on the File menu, select Package, and then "Create Model Package."
- This prompts you for a name for your model "Package."
- A model package is saved with a .pkg extension and combines: the .mod file, .glb file, and any other referenced files (such as calendar files, excel spreadsheets, or associated docs).
- This .pkg file can then be copied or emailed to others. They can run the model by selecting "Install Model Package."







Arrays

- An array is a matrix of values
- Each cell works like a variable
- A reference to a cell in an array can be used anywhere a variable can be used
- Refer to a specific array value by using the Array name followed by the specific value's row & column cell address. For example, the value 18 located in row 2 and column 3 has a cell address of [2,3] so it would be referred to as Array1[2,3].

Array1:

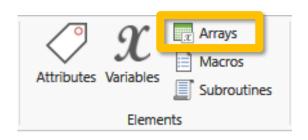
| | 1 | 2 | 3 | 4 |
|---|----|----|----|----|
| 1 | 10 | 15 | 15 | 20 |
| 2 | 12 | 15 | 18 | 25 |
| 3 | 15 | 15 | 10 | 10 |

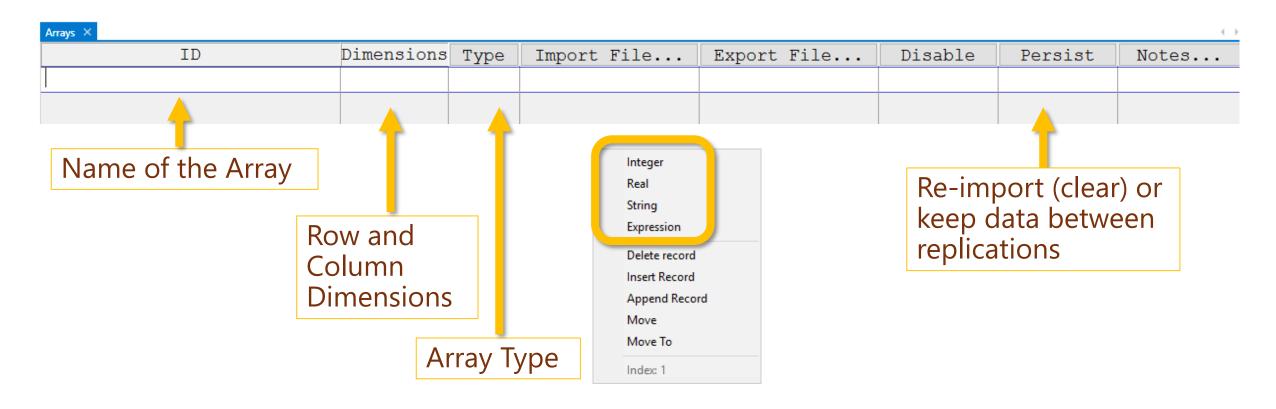
Array1 Cell Addresses:

| Cell [1,1] | Cell [1,2] | Cell [1,3] | Cell [1,4] |
|------------|------------|------------|------------|
| Cell [2,1] | Cell [2,2] | Cell [2,3] | Cell [2,4] |
| Cell [3,1] | Cell [3,2] | Cell [3,3] | Cell [3,4] |



Arrays





Note: Arrays can be created by importing directly from Excel files! Arrays can also be exported to Excel files!

Poll #8

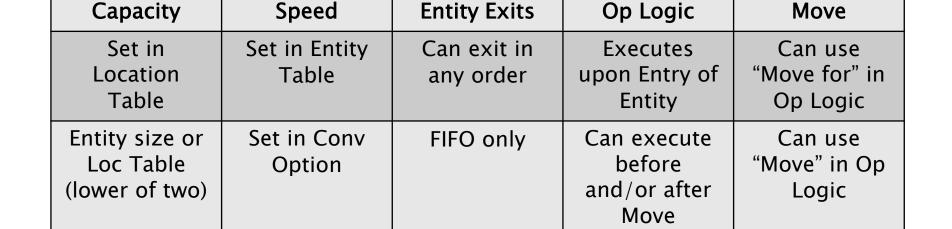


Queues vs Conveyors

 Although both Queues & Conveyors are created using the same Location Icon, they do have a number of differences.

Queue

Conveyor





FINISHED

- Thanks for attending this PM 2018 Basic Refresher training course! We hope it was helpful.
- For more information on the PM 2018 Essentials or Advanced training courses, please contact the ProModel Sales Director that works with your company.
- Remember, help is only an email or phone call away.
- Good luck and happy modeling!

Technical Support 888-776-6633 support@promodel.com 6 am - 6 pm M-F, Mountain Time

Poll #10

