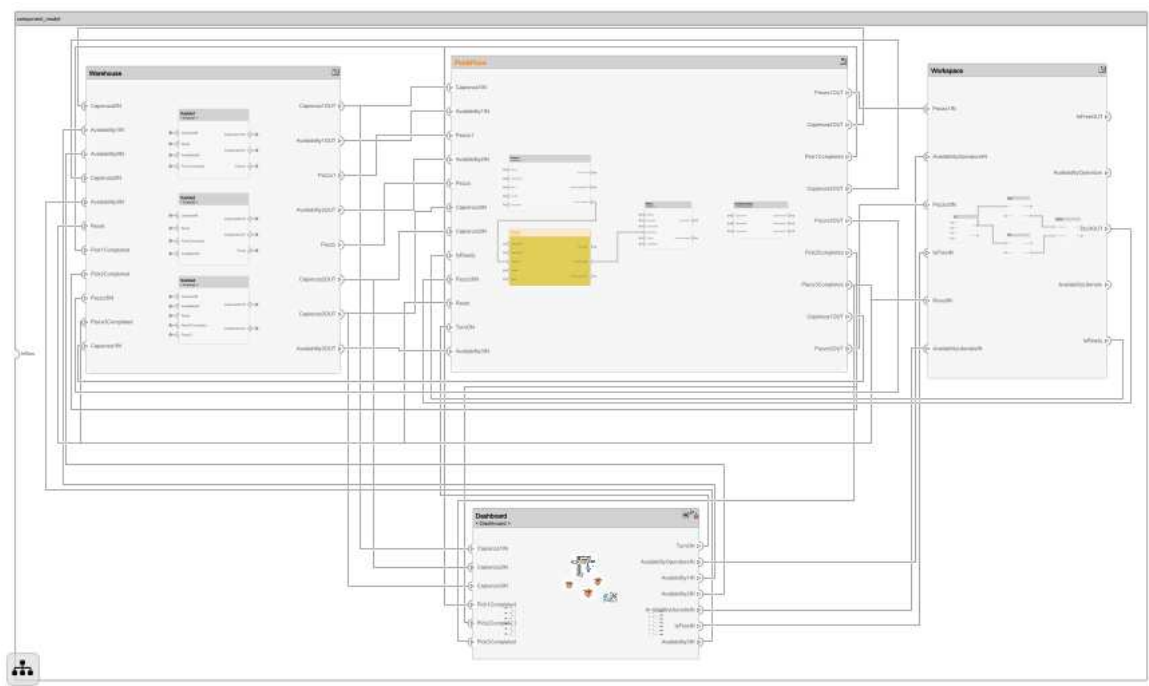


# component\_model



scarcia

27-Mar-2020 10:01:09

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## Model - component\_model

### Full Model Hierarchy

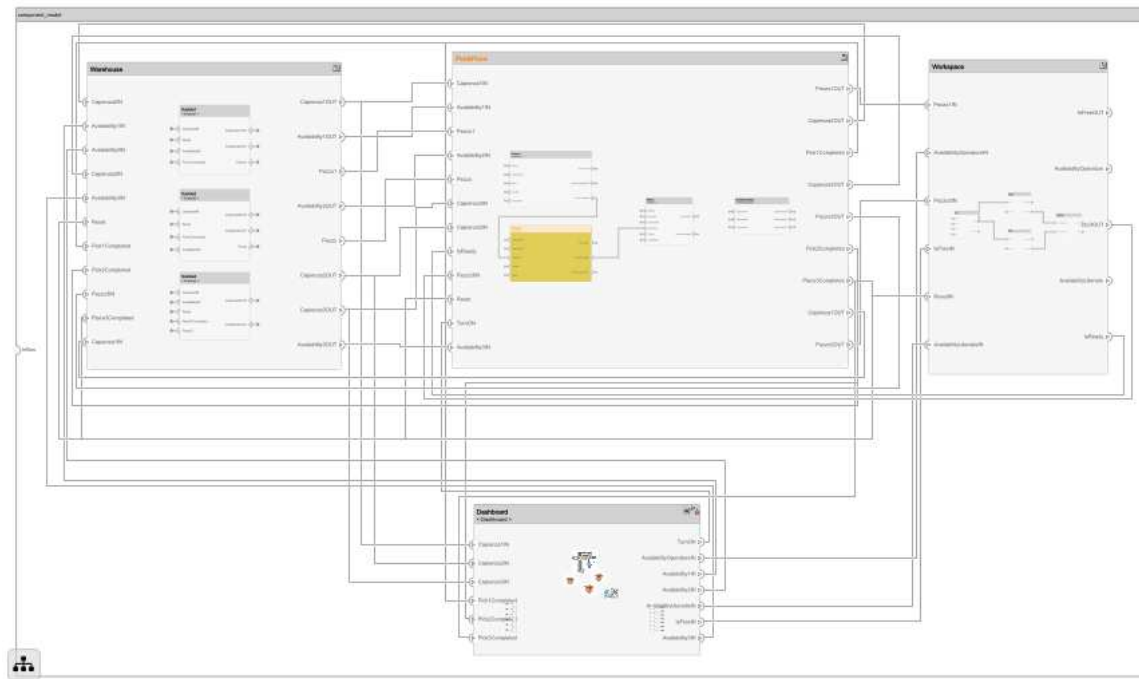
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3. Operatore
4. Utensile

Simulation Parameter	Value
Solver	VariableStepAuto
RelTol	1e-3
Refine	1
MaxOrder	5
ZeroCross	on

[\[more info\]](#)

## System - component\_model



### Tabella 1. Inport Block Properties

Name	Port	Defined In Blk
In Bus Element	1	Unconnected

**Tabella 2. ModelReference Block Properties**

Name	Model Name Dialog	Model File	Model Name	Parameter Argument Values	Simulation Mode	Show Model Initialize Port	Show Model Reset Ports	Show Model Terminate Port	Schedule Rates	Schedule Rates With	Auto Fill Port Discrete Rates	Code Interface	Variant
Dashboard	Dashboard	Dashboard.slx	Dashboard	<a href="matlab:helpPopup struct" style="font-weight:bold">struct</a> with no fields.	Normal	off	off	off	off	Ports	on	Model reference	off

### System - component\_model/Pick&Place

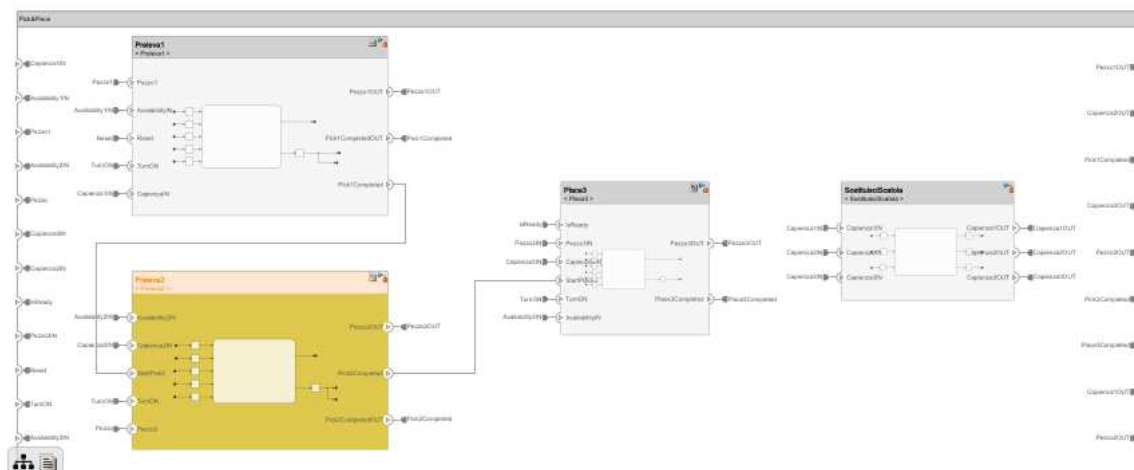


Tabella 3. Inport Block Properties

Name	Port	Defined In Blk
Availability1OUT2	2	<a href="#">Scatola1</a>
Availability2OUT1	4	<a href="#">Scatola2</a>
Availability3OUT1	12	<a href="#">Scatola3</a>
Bus Element In1	7	<a href="#">Scatola2</a>
Bus Element In10	10	<a href="#">Place3</a>
Bus Element In11	11	<a href="#">Dashboard</a>
Bus Element In2	7	<a href="#">Scatola2</a>
Bus Element In3	11	Unconnected
Bus Element In4	6	<a href="#">Scatola3</a>
Bus Element In5	6	<a href="#">Scatola3</a>
Bus Element In6	11	<a href="#">Dashboard</a>
Bus Element In7	11	<a href="#">Dashboard</a>
CapienzaOUT1	1	<a href="#">Scatola1</a>
CapienzaOUT2	1	<a href="#">Scatola1</a>
IsReady1	8	<a href="#">Assemblaggio</a>
Pezzo3	5	<a href="#">Scatola2</a>
Pezzo3OUT1	9	<a href="#">Assemblaggio</a>
Pezzo4	3	<a href="#">Scatola1</a>

Tabella 4. ModelReference Block Properties

Name	Model Name Dialog	Model File	Model Name	Parameter Argument Values	Simulation Mode	Show Model Initialize Port	Show Model Reset Ports	Show Model Terminate Port	Schedule Rates	Schedule Rates With	Additional Fields
Place3	Place3	Place3.slx	Place3	<a href="matlab:helpPopup struct" style="font-weight:bold">struct</a> with no fields.	Normal	off	off	off	off	Ports	0
Preleva1	Preleva1	Preleva1.slx	Preleva1	<a href="matlab:helpPopup struct" style="font-weight:bold">struct</a> with no fields.	Normal	off	off	off	off	Ports	0
Preleva2	Preleva2	Preleva2.slx	Preleva2	<a href="matlab:helpPopup struct" style="font-weight:bold">struct</a> with no fields.	Normal	off	off	off	off	Ports	0
SostituisciScatola	SostituisciScatola	SostituisciScatola.slx	SostituisciScatola	<a href="matlab:helpPopup struct" style="font-weight:bold">struct</a> with no fields.	Normal	off	off	off	off	Ports	0

Tabella 5. Output Block Properties

Name	Port	Port Name	Is Bus Element Port	Storage Class	Icon Display	Lock Scale	Unit	Var Size Sig	Signal Type	Ensure Output Is Virtual	Source Of Initial Output Value	Output When Disabled	Must Resolve To Signal Object	Output When Un Connected	Output When Unconnected Value	Vector Para IDF When Unc
Capienza1OUT1	8	Capienza1OUT	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off
Capienza2OUT1	2	Capienza2OUT	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off
Capienza3OUT1	4	Capienza3OUT	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off
Pezzo1OUT1	1	Pezzo1OUT	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off
Pezzo2OUT1	9	Pezzo2OUT	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off
Pezzo3OUT2	5	Pezzo3OUT	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off
Pick1Completed1	3	Pick1Completed	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off
Pick2Completed1	6	Pick2Completed	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off
Place3Completed1	7	Place3Completed	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off

**Tabella 6. Inport Block Properties**

Name	Port	Defined In Blk
AvailabilityIN1	2	<a href="#">Dashboard</a>
AvailabilityIN2	3	<a href="#">Dashboard</a>
AvailabilityIN3	5	<a href="#">Dashboard</a>
Bus Element In1	6	<a href="#">Place3</a>
Bus Element In10	10	<a href="#">Place3</a>
Bus Element In2	7	<a href="#">Preleva1</a>
Bus Element In6	6	<a href="#">Place3</a>
Bus Element In7	7	<a href="#">Preleva1</a>
Bus Element In8	8	<a href="#">Preleva2</a>
Capienza1OUT1	11	<a href="#">SostituisciScatola</a>
Capienza2OUT1	1	<a href="#">SostituisciScatola</a>
Capienza3OUT1	4	<a href="#">SostituisciScatola</a>
Pezzo5	9	<a href="#">Place3</a>

**Tabella 7. ModelReference Block Properties**

Name	Model Name Dialog	Model File	Model Name	Parameter Argument Values	Simulation Mode	Show Model Initialize Port	Show Model Reset Ports	Show Model Terminate Port	Schedule Rates	Schedule Rates With	Auto Fill Port Discrete Rates	Code Interface	Variant	Generation Preprocessing Conditions
Scatola1	Scatola1	Scatola1.slx	Scatola1	<a href="#" style="font-weight: bold;">struct</a> with no fields.	Normal	off	off	off	off	Ports	on	Model reference	off	off
Scatola2	Scatola2	Scatola2.slx	Scatola2	<a href="#" style="font-weight: bold;">struct</a> with no fields.	Normal	off	off	off	off	Ports	on	Model reference	off	off
Scatola3	Scatola3	Scatola3.slx	Scatola3	<a href="#" style="font-weight: bold;">struct</a> with no fields.	Normal	off	off	off	off	Ports	on	Model reference	off	off

**Tabella 8. Outport Block Properties**[illegible]

Capienza3OUT2	7	Capienza3OUT	on	Auto	number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off
CapienzaOUT3	6	Capienza2OUT	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off
CapienzaOUT5	1	Capienza1OUT	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off
Pezzo2	3	Pezzo1	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off
Pezzo3	5	Pezzo	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off

System - [component\\_model](#)/Workspace

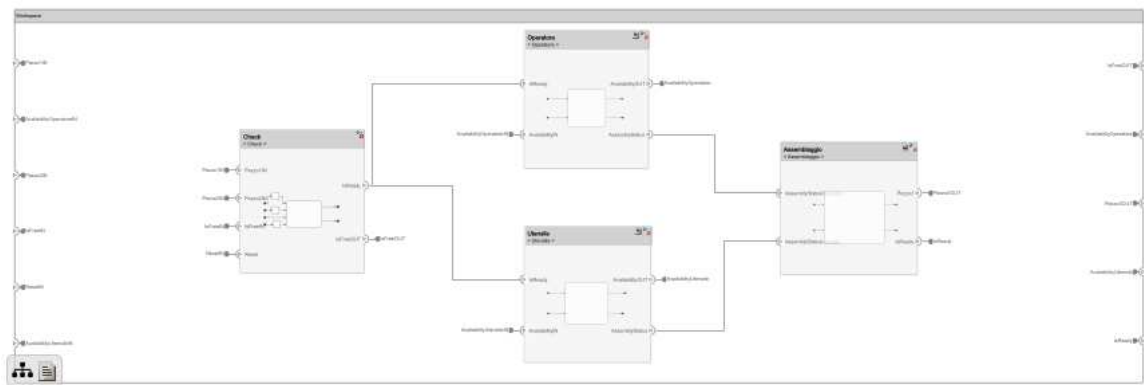


Tabella 9. Inport Block Properties

Name	Port	Defined In Blk
AvailabilityIN1	6	<a href="#">Dashboard</a>
AvailabilityIN2	2	<a href="#">Dashboard</a>
Bus Element In1	1	<a href="#">Preleva1</a>
Bus Element In2	3	<a href="#">Preleva2</a>
Bus Element In3	4	<a href="#">Dashboard</a>
Bus Element In5	5	<a href="#">Place3</a>

Tabella 10. ModelReference Block Properties

Name	Model Name Dialog	Model File	Model Name	Parameter Argument Values	Simulation Mode	Show Model Initialize Port	Show Model Reset Ports	Show Model Terminate Port	Schedule Rates	Schedule Rates With	Auto Fill Port Discrete Rates	Code Inter
Assemblaggio	Assemblaggio	Assemblaggio.slx	Assemblaggio	<a href="#">matlab:helpPopup struct" style="font-weight:bold"&gt;struct&lt;/a&gt; with no fields.</a>	Normal	off	off	off	off	Ports	on	Mode refere
Check	Check	Check.slx	Check	<a href="#">matlab:helpPopup struct" style="font-weight:bold"&gt;struct&lt;/a&gt; with no fields.</a>	Normal	off	off	off	off	Ports	on	Mode refere
Operatore	Operatore	Operatore.slx	Operatore	<a href="#">matlab:helpPopup struct" style="font-weight:bold"&gt;struct&lt;/a&gt; with no fields.</a>	Normal	off	off	off	off	Ports	on	Mode refere
Utensile	Utensile	Utensile.slx	Utensile	<a href="#">matlab:helpPopup struct" style="font-weight:bold"&gt;struct&lt;/a&gt; with no fields.</a>	Normal	off	off	off	off	Ports	on	Mode refere

Tabella 11. Outport Block Properties

Name	Port	Port Name	Is Bus Element Port	Storage Class	Icon Display	Lock Scale	Unit	Var Size Sig	Signal Type	Ensure Output Is Virtual	Source Of Initial Output Value	Output When Disabled	Must Resolve To Signal Object	Output When Un Connected	Output When Unconnected Value	Vector Params A 1DFor Ou When Unconnec
Bus Element Out1	1	IsFreeOUT	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off
Bus Element	5	IsReady	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off

Out2																
Bus Element Out3	2	AvailabilityOperatore	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off
Bus Element Out4	4	AvailabilityUtensile	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off
Pezzo1	3	Pezzo3OUT	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off

## Appendix

Tabella 12. Block Type Count

BlockType	Count	Block Names
Inport	38	<a href="#">In Bus Element</a> , <a href="#">Availability1OUT2</a> , <a href="#">Availability2OUT1</a> , <a href="#">Availability3OUT1</a> , <a href="#">Bus Element In1</a> , <a href="#">Bus Element In10</a> , <a href="#">Bus Element In11</a> , <a href="#">Bus Element In2</a> , <a href="#">Bus Element In3</a> , <a href="#">Bus Element In4</a> , <a href="#">Bus Element In5</a> , <a href="#">Bus Element In6</a> , <a href="#">Bus Element In7</a> , <a href="#">CapienzaOUT1</a> , <a href="#">CapienzaOUT2</a> , <a href="#">IsReady1</a> , <a href="#">Pezzo3</a> , <a href="#">Pezzo3OUT1</a> , <a href="#">Pezzo4</a> , <a href="#">AvailabilityIN1</a> , <a href="#">AvailabilityIN2</a> , <a href="#">AvailabilityIN3</a> , <a href="#">Bus Element In1</a> , <a href="#">Bus Element In10</a> , <a href="#">Bus Element In2</a> , <a href="#">Bus Element In6</a> , <a href="#">Bus Element In7</a> , <a href="#">Bus Element In8</a> , <a href="#">Capienza1OUT1</a> , <a href="#">Capienza2OUT1</a> , <a href="#">Capienza3OUT1</a> , <a href="#">Pezzo5</a> , <a href="#">AvailabilityIN1</a> , <a href="#">AvailabilityIN2</a> , <a href="#">Bus Element In1</a> , <a href="#">Bus Element In2</a> , <a href="#">Bus Element In3</a> , <a href="#">Bus Element In5</a>
Outport	22	<a href="#">Capienza1OUT1</a> , <a href="#">Capienza2OUT1</a> , <a href="#">Capienza3OUT1</a> , <a href="#">Pezzo1OUT1</a> , <a href="#">Pezzo2OUT1</a> , <a href="#">Pezzo3OUT2</a> , <a href="#">Pick1Completed1</a> , <a href="#">Pick2Completed1</a> , <a href="#">Place3Completed1</a> , <a href="#">AvailabilityOUT1</a> , <a href="#">AvailabilityOUT2</a> , <a href="#">AvailabilityOUT3</a> , <a href="#">Capienza3OUT2</a> , <a href="#">CapienzaOUT3</a> , <a href="#">CapienzaOUT5</a> , <a href="#">Pezzo2</a> , <a href="#">Pezzo3</a> , <a href="#">Bus Element Out1</a> , <a href="#">Bus Element Out2</a> , <a href="#">Bus Element Out3</a> , <a href="#">Bus Element Out4</a> , <a href="#">Pezzo1</a>
ModelReference	12	<a href="#">Dashboard</a> , <a href="#">Place3</a> , <a href="#">Preleva1</a> , <a href="#">Preleva2</a> , <a href="#">SostituisciScatola</a> , <a href="#">Scatola1</a> , <a href="#">Scatola2</a> , <a href="#">Scatola3</a> , <a href="#">Assemblaggio</a> , <a href="#">Check</a> , <a href="#">Operatore</a> , <a href="#">Utensile</a>
SubSystem	3	<a href="#">Pick&amp;Place</a> , <a href="#">Warehouse</a> , <a href="#">Workspace</a>