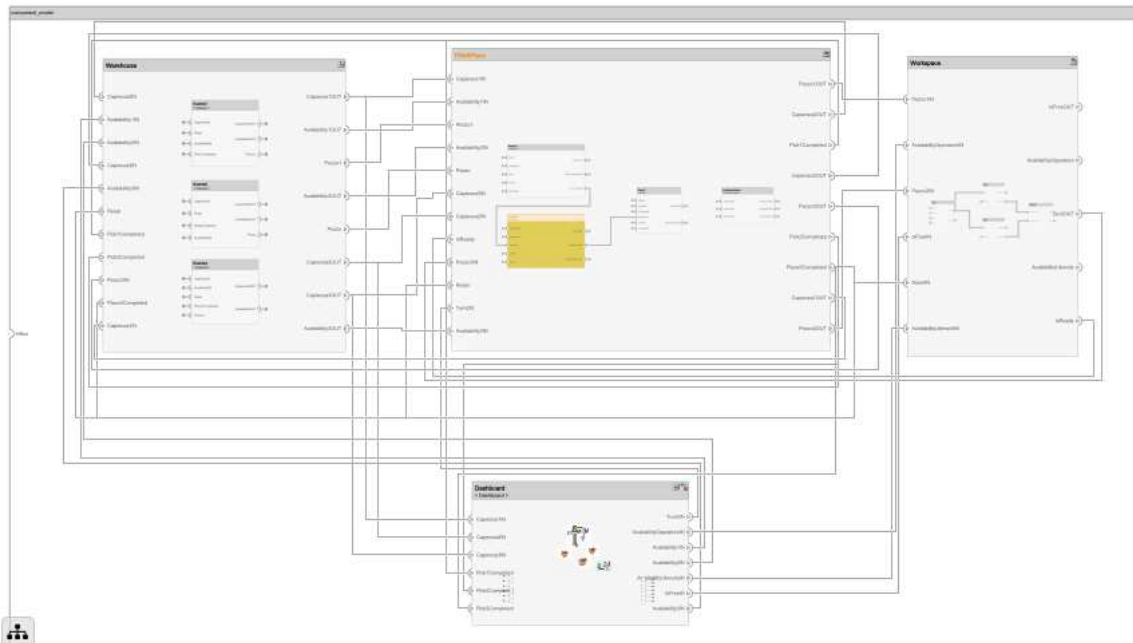


# component\_model



scarzia

27-Mar-2020 09:59:21

## Indice

- [Model - component\\_model](#)
- [System - component\\_model](#)
- [System - component\\_model/Pick&Place](#)
- [System - component\\_model/Warehouse](#)
- [System - component\\_model/Workspace](#)
- [Appendix](#)

## Lista delle tabelle

- [Inport Block Properties](#)
- [ModelReference Block Properties](#)
- [Inport Block Properties](#)
- [ModelReference Block Properties](#)
- [Outport Block Properties](#)
- [Inport Block Properties](#)
- [ModelReference Block Properties](#)
- [Outport Block Properties](#)
- [Inport Block Properties](#)
- [ModelReference Block Properties](#)
- [Outport Block Properties](#)
- [Block Type Count](#)

## Model - component\_model

### Full Model Hierarchy

- [component\\_model](#)
  - [Dashboard](#)
  - [Pick&Place](#)
    - [Place3](#)
    - [Preleva1](#)
    - [Preleva2](#)
    - [SostituisciScatola](#)
  - [Warehouse](#)
    - [Scatola1](#)
    - [Scatola2](#)
    - [Scatola3](#)
  - [Workspace](#)
    - [Assemblaggio](#)
    - [Check](#)
    - [Operatore](#)

#### 4. [Utensile](#)

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

[\[more info\]](#)

### System - component\_model

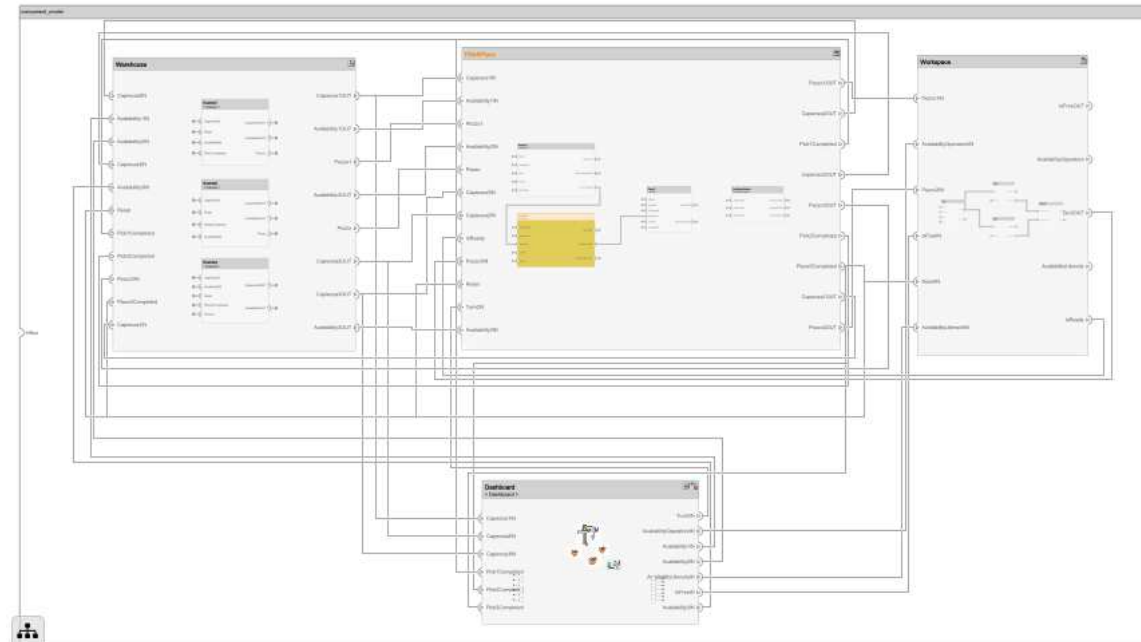


Tabella 1. Inport Block Properties

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

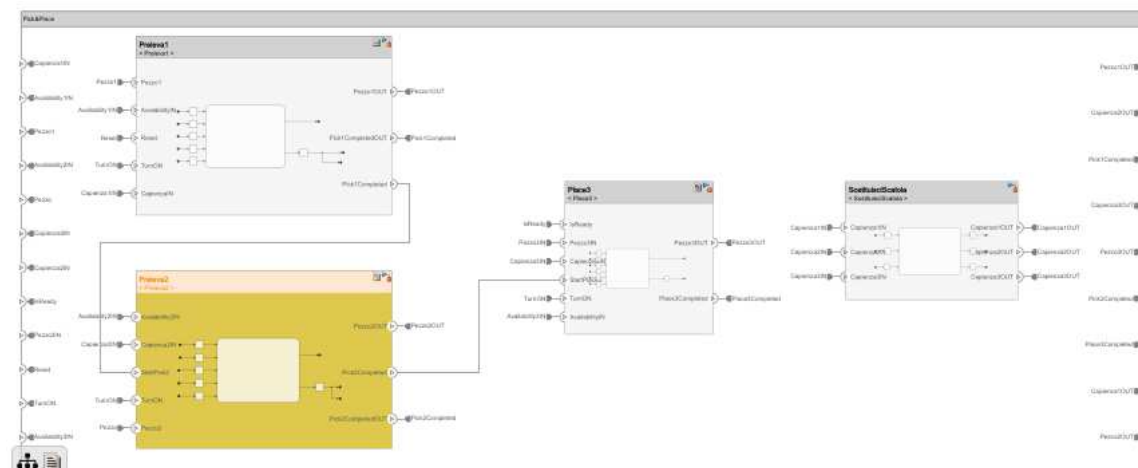


Tabella 3. Inport Block Properties

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	AFPE
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	o
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	o
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	o
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	o

Tabella 5. Outport Block Properties

Name	Port	Port Name	Is Bus Element Port	Storage Class	Icon Display	Lock Scale	Unit	Var Size Sig	Signal Type	Ensure Outport Is Virtual	Source Of Initial Output Value	Output When Disabled	Must Resolve To Signal Object	Output When Un Connected	Output When Unconnected Value	Vect Par: IDF Who 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

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

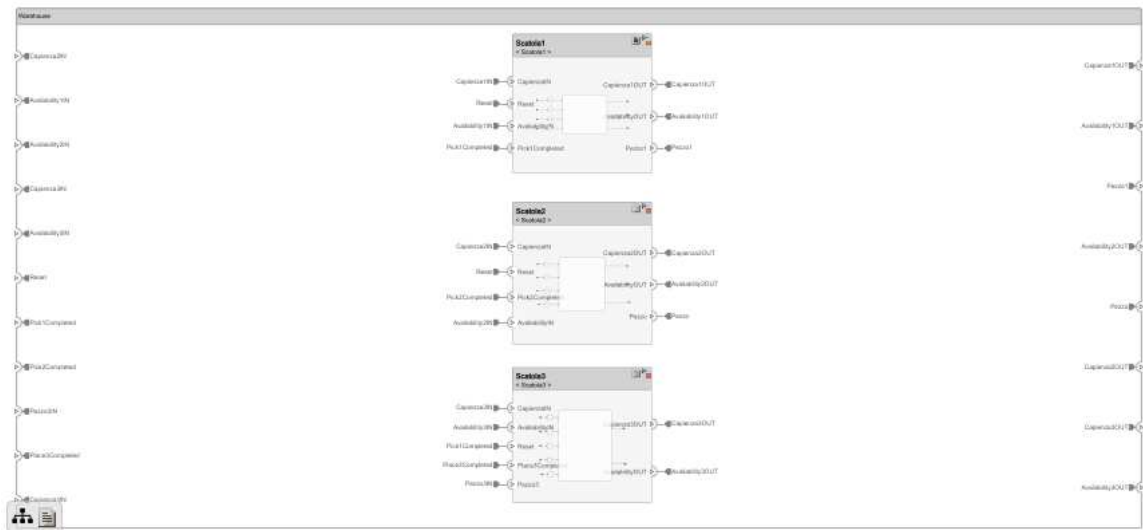


Tabella 6. Inport Block Properties

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	Generate Preprocessor Conditions
Scatola1	Scatola1	Scatola1.slx	Scatola1	<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	Model reference	off	off
Scatola2	Scatola2	Scatola2.slx	Scatola2	<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	Model reference	off	off
Scatola3	Scatola3	Scatola3.slx	Scatola3	<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	Model reference	off	off

Tabella 8. Outport Block Properties

Name	Port	Port Name	Is Bus Element Port	Storage Class	Icon Display	Lock Scale	Unit	Var Size Sig	Signal Type	Ensure Outport Is Virtual	Source Of Initial Output Value	Output When Disabled	Must Resolve To Signal Object	Output When Unconnected	Output When Unconnected Value	Vec Par: 1DF Wh: Unc
AvailabilityOUT1	2	Availability1OUT	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off
AvailabilityOUT2	4	Availability2OUT	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off
AvailabilityOUT3	8	Availability3OUT	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off
Capienza3OUT2	7	Capienza3OUT	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off



Element Out3	2	AvailabilityOperatore	on	Auto	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</a> , <a href="#">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>