Face_Detection

Gokul & Niranjan

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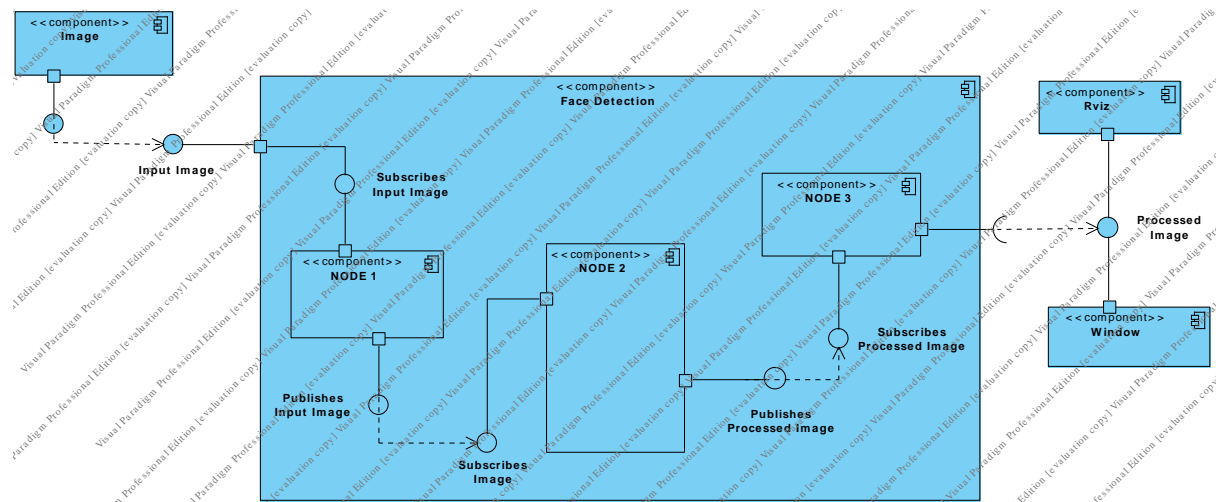# Table of Figures

Deployment Diagram
Face_detection

Name	Value
Name	Face_detection
Author	gokul
Create Date Time	24 Dec, 2015 1:00:56 AM
Last Modified	24 Dec, 2015 1:12:30 AM
Teamwork Create Date Time	1 Jan, 1970 5:30:00 AM
Point Connector End To Compartment Member	true
Show Component Attributes	false
Show Component Operations	false

Summary

Name	Description
Image	
Face Detection	
Rviz	
Input Image	
NODE 3	
Subscribes Input Image	
Processed Image	
NODE 2	
NODE 1	
Window	
Subscribes Processed Image	
Publishes Processed Image	
Publishes Input Image	
Subscribes Image	

Details

![Image] Image

Name	Value		
Active	false		
Business Key Mutable	true		
Business Model	false		
Visibility	public		
Abstract	false		
Leaf	false		
Root	false		
Indirectly Instantiated	true		
Project Management	**Name**		**Value**
	Author		gokul
	Create Date Time		24 Dec, 2015 12:08:52 AM
	Last Modified		24 Dec, 2015 1:01:42 AM

Children

Name	Description
![icon] N/A	

Ports

Name	Description
![icon] N/A	

![N/A icon] N/A

Name	Value
Service	true
Behavior	false
Conjugated	false
Derived	false
Is ID	false
Derived Union	false
Aggregation	Unspecified
Multiplicity	Unspecified
Read Only	false
Static	false
Leaf	false
Visibility	public

Project Management	Name	Value
	Author	gokul
	Create Date Time	24 Dec, 2015 12:09:21 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

Relationships

Unnamed Association		
To	**Name**	**Value**
	End Model Element	📄 Input Image
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	Navigable
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
	Type	📄 Input Image
	Project Management	**Name** / **Value** Author / gokul Create Date Time / 24 Dec, 2015 12:39:24 AM
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Derived	false	
Project Management	**Name**	**Value**
	Author	gokul
	Create Date Time	24 Dec, 2015 12:39:24 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

📄 Face Detection

Name	Value
Active	false
Business Key Mutable	true
Business Model	false
Visibility	public

Abstract	false	
Leaf	false	
Root	false	
Indirectly Instantiated	true	
Project Management	**Name**	**Value**
	Author	gokul
	Create Date Time	24 Dec, 2015 12:08:16 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

Children

Name	Description
N/A	
NODE 3	
Subscribes Input Image	
NODE 2	
NODE 1	
Subscribes Processed Image	
Publishes Processed Image	
Publishes Input Image	
Subscribes Image	
Class4	
Component2	
Class5	

Ports

Name	Description
N/A	

Relationships

Unnamed Dependency		
From	N/A	
Visibility	Unspecified	
Project Management	**Name**	**Value**
	Author	gokul
	Create Date Time	24 Dec, 2015 12:22:28 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

Resident Components

Name	Description
⬚ NODE 1	
⬚ Component2	
⬚ NODE 2	
⬚ NODE 3	

⬚ Rviz

Name	Value	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Abstract	false	
Leaf	false	
Root	false	
Indirectly Instantiated	true	
Project Management	**Name**	**Value**
	Author	gokul
	Create Date Time	24 Dec, 2015 12:40:36 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

Children

Name	Description
⬚ N/A	

Ports

Name	Description
⬚ N/A	

⬚ Input Image

Name	Value
Active	false
Business Key Mutable	true
Business Model	false
Visibility	public
Leaf	false
Root	false
Stereotypes	Interface

Project Management	Name	Value
	Author	gokul
	Create Date Time	24 Dec, 2015 12:09:37 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

Relationships

Unnamed Association		
From	**Name**	**Value**
	End Model Element	📎 N/A
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	Navigable
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
	Type	📎 N/A
	Project Management	**Name** / **Value** Author: gokul Create Date Time: 24 Dec, 2015 12:39:24 AM
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Derived	false	
Project Management	**Name**	**Value**
	Author	gokul
	Create Date Time	24 Dec, 2015 12:39:24 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

📎 N/A

Name	Value
Service	true
Behavior	false
Conjugated	false
Derived	false

Is ID	false
Derived Union	false
Aggregation	Unspecified
Multiplicity	Unspecified
Read Only	false
Static	false
Leaf	false
Visibility	public

Project Management	Name	Value
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	Last Modified	24 Dec, 2015 1:01:42 AM

Relationships

Unnamed Realization	
From	🔵 Processed Image
Visibility	Unspecified

Project Management	Name	Value
	Author	gokul
	Create Date Time	24 Dec, 2015 12:41:45 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

📄 N/A

Name	Value
Active	false
Business Key Mutable	true
Business Model	false
Visibility	public
Leaf	false
Root	false
Stereotypes	Interface

Project Management	Name	Value
	Author	gokul
	Create Date Time	24 Dec, 2015 12:10:44 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

🔷 N/A

Name	Value
Service	true
Behavior	false
Conjugated	false

Derived	false
Is ID	false
Derived Union	false
Aggregation	Unspecified
Multiplicity	Unspecified
Read Only	false
Static	false
Leaf	false
Visibility	public

Project Management	Name	Value
	Author	gokul
	Create Date Time	24 Dec, 2015 12:11:43 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

Relationships

Unnamed Realization	
From	🔵 Subscribes Input Image
Visibility	Unspecified

Project Management	Name	Value
	Author	gokul
	Create Date Time	24 Dec, 2015 12:16:22 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

NODE 3

Name	Value
Active	false
Business Key Mutable	true
Business Model	false
Visibility	public
Abstract	false
Leaf	false
Root	false
Indirectly Instantiated	true

Project Management	Name	Value
	Author	gokul
	Create Date Time	24 Dec, 2015 12:27:52 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

Children

Name	Description
🔷 N/A	
🔷 N/A	

Ports

Name	Description
🔷 N/A	
🔷 N/A	

📄 Subscribes Input Image

Name	Value	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Stereotypes	Interface	
Project Management	**Name**	**Value**
	Author	gokul
	Create Date Time	24 Dec, 2015 12:15:47 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

Relationships

Unnamed Realization		
To	🔷 N/A	
Visibility	Unspecified	
Project Management	**Name**	**Value**
	Author	gokul
	Create Date Time	24 Dec, 2015 12:16:22 AM
	Last Modified	24 Dec, 2015 1:01:42 AM
Unnamed Realization		
To	🔷 N/A	
Visibility	Unspecified	
Project Management	**Name**	**Value**
	Author	gokul
	Create Date Time	24 Dec, 2015 12:16:47 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

▤ Processed Image

Name	Value		
Active	false		
Business Key Mutable	true		
Business Model	false		
Visibility	public		
Leaf	false		
Root	false		
Stereotypes	Interface		
Project Management	**Name**	**Value**	
	Author	gokul	
	Create Date Time	24 Dec, 2015 12:30:29 AM	
	Last Modified	24 Dec, 2015 1:01:42 AM	

Relationships

Unnamed Realization		
To	🔷 N/A	
Visibility	Unspecified	
Project Management	**Name**	**Value**
	Author	gokul
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	Last Modified	24 Dec, 2015 1:01:42 AM
Unnamed Realization		
To	🔷 N/A	
Visibility	Unspecified	
Project Management	**Name**	**Value**
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	Last Modified	24 Dec, 2015 1:01:42 AM

Unnamed Dependency		
From	— N/A	
Visibility	Unspecified	
Project Management	**Name**	**Value**
	Author	gokul
	Create Date Time	24 Dec, 2015 12:32:30 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

🔷 N/A

Name	Value
Service	true

Behavior	false
Conjugated	false
Derived	false
Is ID	false
Derived Union	false
Aggregation	Unspecified
Multiplicity	Unspecified
Read Only	false
Static	false
Leaf	false
Visibility	public

Project Management	Name	Value
	Author	gokul
	Create Date Time	24 Dec, 2015 12:29:01 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

NODE 2

Name	Value
Active	false
Business Key Mutable	true
Business Model	false
Visibility	public
Abstract	false
Leaf	false
Root	false
Indirectly Instantiated	true

Project Management	Name	Value
	Author	gokul
	Create Date Time	24 Dec, 2015 12:24:47 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

Children

Name	Description
N/A	
N/A	

Ports

Name	Description
N/A	
N/A	

◫ N/A

Name	Value	
Service	true	
Behavior	false	
Conjugated	false	
Derived	false	
Is ID	false	
Derived Union	false	
Aggregation	Unspecified	
Multiplicity	Unspecified	
Read Only	false	
Static	false	
Leaf	false	
Visibility	public	
Project Management	**Name**	**Value**
	Author	gokul
	Create Date Time	24 Dec, 2015 12:16:35 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

Relationships

Unnamed Realization		
From	🔵 Subscribes Input Image	
Visibility	Unspecified	
Project Management	**Name**	**Value**
	Author	gokul
	Create Date Time	24 Dec, 2015 12:16:47 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

◫ NODE 1

Name	Value
Active	false
Business Key Mutable	true
Business Model	false
Visibility	public
Abstract	false
Leaf	false
Root	false
Indirectly Instantiated	true

Project Management	Name	Value
	Author	gokul
	Create Date Time	24 Dec, 2015 12:13:12 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

Children

Name	Description
⬙ N/A	
⬙ N/A	
⬔ Component	

Ports

Name	Description
⬙ N/A	
⬙ N/A	

Resident Components

Name	Description
⬔ Component	

⬙ N/A

Name	Value	
Service	true	
Behavior	false	
Conjugated	false	
Derived	false	
Is ID	false	
Derived Union	false	
Aggregation	Unspecified	
Multiplicity	Unspecified	
Read Only	false	
Static	false	
Leaf	false	
Visibility	public	
Project Management	Name	Value
	Author	gokul
	Create Date Time	24 Dec, 2015 12:28:06 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

Relationships

Unnamed Realization

From	🔵 Subscribes Processed Image
Visibility	Unspecified

Project Management	Name	Value
	Author	gokul
	Create Date Time	24 Dec, 2015 12:28:16 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

N/A

Name	Value
Service	true
Behavior	false
Conjugated	false
Derived	false
Is ID	false
Derived Union	false
Aggregation	Unspecified
Multiplicity	Unspecified
Read Only	false
Static	false
Leaf	false
Visibility	public

Project Management	Name	Value
	Author	gokul
	Create Date Time	24 Dec, 2015 12:25:01 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

Relationships

Unnamed Realization	
From	🔵 Subscribes Image
Visibility	Unspecified

Project Management	Name	Value
	Author	gokul
	Create Date Time	24 Dec, 2015 12:25:32 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

N/A

Name	Value
Service	true
Behavior	false
Conjugated	false
Derived	false

Is ID	false
Derived Union	false
Aggregation	Unspecified
Multiplicity	Unspecified
Read Only	false
Static	false
Leaf	false
Visibility	public
Project Management	**Name** · **Value**
	Author · gokul
	Create Date Time · 24 Dec, 2015 12:31:21 AM
	Last Modified · 24 Dec, 2015 1:01:42 AM

Relationships

Unnamed Realization	
From	🔵 Processed Image
Visibility	Unspecified
Project Management	**Name** · **Value**
	Author · gokul
	Create Date Time · 24 Dec, 2015 12:31:30 AM
	Last Modified · 24 Dec, 2015 1:01:42 AM

🪟 Window

Name	Value	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Abstract	false	
Leaf	false	
Root	false	
Indirectly Instantiated	true	
Project Management	**Name**	**Value**
	Author	gokul
	Create Date Time	24 Dec, 2015 12:31:15 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

Children

Name	Description
🔷 N/A	

Ports

Name	Description
🔷 N/A	

📄 Subscribes Processed Image

Name	Value	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Stereotypes	Interface	
Project Management	**Name**	**Value**
	Author	gokul
	Create Date Time	24 Dec, 2015 12:28:16 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

Relationships

Unnamed Realization	
To	🔷 N/A

Visibility	Unspecified	
Project Management	**Name**	**Value**
	Author	gokul
	Create Date Time	24 Dec, 2015 12:28:16 AM
	Last Modified	24 Dec, 2015 1:01:42 AM
Unnamed Dependency		
From	—— N/A	
Visibility	Unspecified	
Project Management	**Name**	**Value**
	Author	gokul
	Create Date Time	24 Dec, 2015 12:28:35 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

🔷 N/A

Name	**Value**	
Service	true	
Behavior	false	
Conjugated	false	
Derived	false	
Is ID	false	
Derived Union	false	
Aggregation	Unspecified	
Multiplicity	Unspecified	
Read Only	false	
Static	false	
Leaf	false	
Visibility	public	
Project Management	**Name**	**Value**
	Author	gokul
	Create Date Time	24 Dec, 2015 12:17:21 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

Relationships

Unnamed Usage		
To	🔵 Publishes Input Image	
Visibility	Unspecified	
Project Management	**Name**	**Value**
	Author	gokul
	Create Date Time	24 Dec, 2015 12:21:34 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

Relationships	**Unnamed Dependency**			
	To	Face Detection		
	Visibility	Unspecified		
	Project Management	**Name**		**Value**
		Author		gokul
		Create Date Time		24 Dec, 2015 12:22:28 AM
		Last Modified		24 Dec, 2015 1:01:42 AM
	Unnamed Dependency			
	To	Subscribes Image		
	Visibility	Unspecified		
	Project Management	**Name**		**Value**
		Author		gokul
		Create Date Time		24 Dec, 2015 12:22:39 AM
		Last Modified		24 Dec, 2015 1:01:42 AM

Publishes Processed Image

Name	Value	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Stereotypes	Interface	
Project Management	**Name**	**Value**
	Author	gokul
	Create Date Time	24 Dec, 2015 12:26:32 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

Relationships

Unnamed Association

From	**Name**	**Value**		
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	Provide Property Getter Method	false		
	Provide Property Setter Method	false		
	Multiplicity	Unspecified		
	Visibility	Unspecified		
	Aggregation Kind	None		
	Navigable	Navigable		
	Derived	false		
	Derived Union	false		
	Read Only	false		
	Static	false		
	Leaf	false		
	Type	⊞ N/A		
	Project Management	**Name**	**Value**	
		Author	gokul	
		Create Date Time	24 Dec, 2015 12:27:35 AM	
Abstract	false			
Leaf	false			
Visibility	Unspecified			
Derived	false			
Project Management	**Name**		**Value**	
	Author		gokul	
	Create Date Time		24 Dec, 2015 12:27:35 AM	
	Last Modified		24 Dec, 2015 1:01:42 AM	
Relationships	**Unnamed Dependency**			
	To	🔵 Subscribes Processed Image		
	Visibility	Unspecified		
	Project Management	**Name**	**Value**	
		Author	gokul	
		Create Date Time	24 Dec, 2015 12:28:35 AM	
		Last Modified	24 Dec, 2015 1:01:42 AM	

⊞ N/A

Name	**Value**
Service	true
Behavior	false

Conjugated	false
Derived	false
Is ID	false
Derived Union	false
Aggregation	Unspecified
Multiplicity	Unspecified
Read Only	false
Static	false
Leaf	false
Visibility	public
Project Management	**Name** / **Value**
	Author / gokul
	Create Date Time / 24 Dec, 2015 12:26:23 AM
	Last Modified / 24 Dec, 2015 1:01:42 AM

Relationships

Unnamed Association		
To	**Name**	**Value**
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	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
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	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
	Type	📄 Publishes Processed Image
	Project Management	**Name** / **Value**
		Author / gokul
		Create Date Time / 24 Dec, 2015 12:27:35 AM
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Derived	false	

Project Management	Name	Value
	Author	gokul
	Create Date Time	24 Dec, 2015 12:27:35 AM
	Last Modified	24 Dec, 2015 1:01:42 AM
Relationships	**Unnamed Dependency**	
	To	🔵 Subscribes Processed Image
	Visibility	Unspecified
	Project Management	Name	Value
		Author	gokul
		Create Date Time	24 Dec, 2015 12:28:35 AM
		Last Modified	24 Dec, 2015 1:01:42 AM

🟦 Publishes Input Image

Name	Value
Active	false
Business Key Mutable	true
Business Model	false
Visibility	public
Leaf	false
Root	false
Stereotypes	Interface
Project Management	Name	Value
	Author	gokul
	Create Date Time	24 Dec, 2015 12:21:34 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

Relationships

Unnamed Usage	
From	🟦 N/A
Visibility	Unspecified
Project Management	Name	Value
	Author	gokul
	Create Date Time	24 Dec, 2015 12:21:34 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

Relationships	Unnamed Dependency		
	To	Face Detection	
	Visibility	Unspecified	
	Project Management	**Name**	**Value**
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		Create Date Time	24 Dec, 2015 12:22:28 AM
		Last Modified	24 Dec, 2015 1:01:42 AM
	Unnamed Dependency		
	To	Subscribes Image	
	Visibility	Unspecified	
	Project Management	**Name**	**Value**
		Author	gokul
		Create Date Time	24 Dec, 2015 12:22:39 AM
		Last Modified	24 Dec, 2015 1:01:42 AM

Subscribes Image

Name	Value	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Stereotypes	Interface	
Project Management	**Name**	**Value**
	Author	gokul
	Create Date Time	24 Dec, 2015 12:20:52 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

Relationships

Unnamed Realization		
To	N/A	
Visibility	Unspecified	
Project Management	**Name**	**Value**
	Author	gokul
	Create Date Time	24 Dec, 2015 12:25:32 AM
	Last Modified	24 Dec, 2015 1:01:42 AM
Unnamed Dependency		

From	⟪u⟫ N/A	
Visibility	Unspecified	
Project Management	**Name**	**Value**
	Author	gokul
	Create Date Time	24 Dec, 2015 12:22:39 AM
	Last Modified	24 Dec, 2015 1:01:42 AM

	⟪u⟫ N/A	
	Unspecified	
	Name	**Value**