

# OpenRTM-aist (Java) - #3225

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06/17/2015 12:42 AM - n-ando

<b>Status:</b> □□	<b>Start date:</b> 06/17/2015
<b>Priority:</b> □□	<b>Due date:</b>
<b>Assignee:</b> win-ei	<b>% Done:</b> 100%
<b>Category:</b>	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b> RELEASE_1_2_0	

## Description

Direct data put functionality between data ports has been implemented.

- ConnectorProfile
- OutPort
- InPort

RTM-EC OutPort→InPort  
 RTM-EC InPort→OutPort

## Associated revisions

### Revision 757 - 02/15/2016 10:11 AM - win-ei

Direct data put functionality between data ports has been implemented. refs #3225

### Revision 801 - 03/21/2016 07:44 PM - win-ei

Direct data put functionality between data ports has been implemented. refs #3225

### Revision 803 - 03/22/2016 04:45 PM - win-ei

Added get\_configuration function. refs #3225

## History

### #1 - 06/17/2015 10:12 PM - n-ando

□ □

- ConnectorProfile.properties["dataport.outport.direct\_dataput.disable"] != YES → Direct data put
- Direct data-put InPort OutPort corba\_cdr InPort OutPort
- Direct data put InPort::isNew()=true, InPort::isEmpty()=false InPort::read() InPort::isNew(),isEmpty()

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- InPort
  - void write(const DataType&) OutPortConnector true
  - read() true
  - InPort
- OutPortConnector
  - InPort setInPort()
  - write(InPort write() static\_cast<InPort<DataType\*>\*(m\_directInPort)->write(data);
- OutPortBase
  - (dataport.outport.)direct\_dataput.disable disable=YES
  - Push InPort
  - (setLocalInPort())
  - InPortBase\* inport = dynamic\_cast<InPortBase\*>(poa->reference\_to\_servant(obj));

**#2 - 02/15/2016 10:19 AM - win-ei**

- % Done changed from 0 to 100

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- ConnectorComp.java □□□□□□□□

```
CORBA_SeqUtil.push_back(nvholder,  
NVUtil.newNVString("dataport.outport.direct_dataput.disable", "YES"));
```

- rtc.conf □ ConsoleOut □ preload□precreate□preactivate□□□  
□□□□□□□□rtc.conf□□□□□□

```
manager.modules.load_path:./RTMExamples/SimpleIO  
manager.modules.preload: ConsoleOut  
manager.components.precreate: ConsoleOut  
  
manager.components.preactivate: ConsoleIn0, ConsoleOut0
```

- ConsoleIn.sh □□□□□Connector.sh □□□□□□□□□□

**#3 - 02/15/2016 10:26 AM - win-ei**

- % Done changed from 100 to 50

**#4 - 09/06/2017 03:23 PM - katami**

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- rtc.conf □ ConsoleOut □ preload□precreate□preactivate□□□  
□□□□□□□□rtc.conf□□□□□□

```
manager.modules.load_path:./RTMExamples/SimpleIO  
manager.modules.preload: ConsoleOut  
manager.components.precreate: ConsoleOut  
  
manager.components.preactivate: ConsoleIn0, ConsoleOut0
```

- [direct][push][new]

```
$ rtcon ./localhost/ubuntu.host_cxt/ConsoleIn0.rtc:out ./localhost/ubuntu.host_cxt/ConsoleOut0.rtc:in -p d
ataport.interface_type=direct
```

- [direct][push][flush]

```
$ rtcon ./localhost/ubuntu.host_cxt/ConsoleIn0.rtc:out ./localhost/ubuntu.host_cxt/ConsoleOut0.rtc:in -p d
ataport.interface_type=direct -p dataport.subscription_type=flush
```

- [direct][push][periodic]

```
$ rtcon ./localhost/ubuntu.host_cxt/ConsoleIn0.rtc:out ./localhost/ubuntu.host_cxt/ConsoleOut0.rtc:in -p d
ataport.interface_type=direct -p dataport.subscription_type=flush
```

- [direct][pull]

```
$ rtcon ./localhost/ubuntu.host_cxt/ConsoleIn0.rtc:out ./localhost/ubuntu.host_cxt/ConsoleOut0.rtc:in -p d
ataport.interface_type=direct -p dataport.dataflow_type=pull
```

#### #5 - 09/06/2017 03:24 PM - katami

- Status changed from `Open` to `Resolved`
- Assignee set to `win-ei`
- % Done changed from 50 to 100

#### #6 - 09/06/2017 03:24 PM - katami

- Target version set to `RELEASE_1_2_0`