

## Infrastructure - Task #1531

Story # 1530 (Closed): Redefine interface definitions to correspond with Tiers

### Create d1\_common\_java tier-based interfaces

2011-05-06 19:13 - Matthew Jones

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Nicholas Dexter	<b>% Done:</b>	100%
<b>Category:</b>	d1_common_java	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Sprint-2011.26-Block.4	<b>Story Points:</b>	
<b>Milestone:</b>	2011-Block-3		
<b>Product Version:</b>	*		
<b>Description</b>			
<b>Related issues:</b>			
Blocks Infrastructure - Feature #1605: update implementations of 0.6.2 interf...		<b>Closed</b>	<b>2011-06-06</b>

#### History

##### #1 - 2011-05-06 19:14 - Matthew Jones

- Subject changed from Create di\_common tier-based interfaces to Create d1\_common\_java tier-based interfaces

##### #2 - 2011-05-06 19:16 - Matthew Jones

New interface definitions should be created. They are described here:

<http://epad.dataone.org/cicore-interfaces-packages>

But also copied here for reference:

#### New CN Interfaces [http://mule1.dataone.org/ArchitectureDocs-current/apis/CN\\_APIs.html](http://mule1.dataone.org/ArchitectureDocs-current/apis/CN_APIs.html)

org.dataone.service.cn.tier1.Core  
org.dataone.service.cn.tier1.Read  
org.dataone.service.cn.tier2.Identity  
org.dataone.service.cn.tier2.Authorization  
org.dataone.service.cn.tier2.Register  
org.dataone.service.cn.tier3.Replication (renamed from org.dataone.service.cn.tier4.Storage)

#### New MN Interfaces [http://mule1.dataone.org/ArchitectureDocs-current/apis/MN\\_APIs.html](http://mule1.dataone.org/ArchitectureDocs-current/apis/MN_APIs.html)

org.dataone.service.mn.tier1.Core  
org.dataone.service.mn.tier1.Read  
org.dataone.service.mn.tier2.Authorization  
org.dataone.service.mn.tier3.Storage  
org.dataone.service.mn.tier4.Replication

**#3 - 2011-05-06 19:19 - Matthew Jones**

- Category set to *d1\_common\_java*

- Milestone set to *2011-Block-3*

**#4 - 2011-05-06 19:57 - Matthew Jones**

Reconsidered naming of the interfaces to make the names unambiguous (e.g., to differentiate CN Read from MN Read):

**New CN Interfaces** [http://mule1.dataone.org/ArchitectureDocs-current/apis/CN\\_APIs.html](http://mule1.dataone.org/ArchitectureDocs-current/apis/CN_APIs.html)

org.dataone.service.cn.tier1.CNCore  
org.dataone.service.cn.tier1.CNRead  
org.dataone.service.cn.tier2.CNIdentity  
org.dataone.service.cn.tier2.CNAuthorization  
org.dataone.service.cn.tier2.CNRegister  
org.dataone.service.cn.tier3.CNReplication (renamed from org.dataone.service.cn.tier4.Storage)

**New MN Interfaces** [http://mule1.dataone.org/ArchitectureDocs-current/apis/MN\\_APIs.html](http://mule1.dataone.org/ArchitectureDocs-current/apis/MN_APIs.html)

org.dataone.service.mn.tier1.MNCore  
org.dataone.service.mn.tier1.MNRead  
org.dataone.service.mn.tier2.MNAuthorization  
org.dataone.service.mn.tier3.MNStorage  
org.dataone.service.mn.tier4.MNReplication

**#5 - 2011-05-07 02:02 - Matthew Jones**

- Status changed from *New* to *In Progress*

**#6 - 2011-05-07 02:03 - Matthew Jones**

- % Done changed from *0* to *20*

Created initial CN tier interfaces. Still need to do MN interfaces, and resolve missing Type definitions.

**#7 - 2011-05-24 12:37 - Nicholas Dexter**

- % Done changed from *20* to *50*

In looking at the CN API Architecture Docs and the existing CN java interfaces, I could not find the CNStorage.java and could not find mention of CNReplication or CNIdentity in the documentation. Either the documentation is out of date or the interfaces themselves are.

Also, the docs list tiers 1, 2, and 4, not 3, and tier4's CN\_storage should be CNReplication as Matt has specified in the earlier notes.

**#8 - 2011-05-24 14:01 - Dave Vieglais**

Docs were out of date.

Also notice that there's no payload defined for CNRegister.register(). Adding a separate task to flesh that out ( [#1587](#) ).

**#9 - 2011-05-24 14:29 - Dave Vieglais**

Question on the tiers - these are supposed to reflect overall functionality expressed by the infrastructure across MNs and CNs. Tier 4 is where replication support is available for MNs but the suggested changes place replication at tier3 for the CNs which is a bit misleading.

**#10 - 2011-05-26 19:25 - Nicholas Dexter**

- % Done changed from 50 to 80

CNCore.registerSystemMetaData return type, setting void for now, but API docs specify ?? return type.

CNIdentity.getSubjectInfo doc only has ServiceFailure and InvalidToken, also needs NotAuthorized and NotImplemented. Update docs to reflect.

CNReplication.updateReplicationMetadata is missing a return type, setting to void for now.

CNRegister.\* make reference to capabilities, need type here.

**#11 - 2011-05-31 16:46 - Nicholas Dexter**

- Assignee changed from Matthew Jones to Nicholas Dexter

**#12 - 2011-06-27 16:41 - Nicholas Dexter**

- translation missing: en.field\_remaining\_hours changed from 1.0 to 0.0

- % Done changed from 80 to 100

- Status changed from In Progress to Closed