

## Infrastructure - Bug #7819

### Metacat always shows the https protocol on the dataone base url even it is configured without supporting ssl

2016-05-25 18:17 - Jing Tao

<b>Status:</b>	Closed	<b>Start date:</b>	2016-05-25
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Jing Tao	<b>% Done:</b>	100%
<b>Category:</b>	Metacat	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	CCI-2.2.0	<b>Story Points:</b>	
<b>Milestone:</b>	None		
<b>Product Version:</b>	*		

#### Description

NEON Metacat is joining Dataone network as a tier one mn without supporting https . However, we found that mn.getCapacities always return the baseURL with https rather than http.

I looked at the code and found in mn.getCapacities:

```
String serviceName = SystemUtil.getSecureContextURL() + "/" + PropertyService.getProperty("dataone.serviceName");
Node node = new Node();
node.setBaseURL(serviceName + "/" + nodeTypeString);
```

So it always returns a base url with https.

However, they hesitate to configure ssl on their server. So we shouldn't assume it is always https.

#### History

##### #1 - 2016-05-25 18:29 - Matthew Jones

While I support changing/fixing this, I also think that NEON should be using SSL. Our base infrastructure at a minimum requires identification of MN and CN nodes to one another (even at Tier 1), and SSL is required for that. Running a Metacat server without SSL is just not a very good idea. We might even want to consider removing support for non-SSL metacat deployments.

##### #2 - 2016-05-25 18:38 - Jing Tao

- Target version set to CCI-2.2.0

I agree. Even though I will change it, we will persuade them to use the ssl configuration.

##### #3 - 2016-05-25 19:21 - Jing Tao

- Status changed from New to Closed

- % Done changed from 0 to 100

We use the getContextURL method to replace the getSecureContextURL method. It will decide to use http or https. I tested and it worked. The change was committed to branch 2.7 (release for cci 2.2.0) or trunk.