

## Infrastructure - Bug #4174

### Accessing cn.dataone.org through http causes redirect to https of specific machine hostname

2013-11-12 18:37 - Dave Vieglais

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Skye Roseboom	<b>% Done:</b>	100%
<b>Category:</b>	d1_cn_buildout	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Story Points:</b>	
<b>Milestone:</b>	None		
<b>Product Version:</b>	*		
<b>Description</b>			
When accessing cn.dataone.org, the browser picks up the hostname in the response and uses the specific host name instead of the generic cn.dataone.org.			
This means that subsequent requests will be against a specific CN which may not be participating in the environment at a future point in time.			
The simple solution appears to be setting ServerName in the apache config files to be "cn.dataone.org" instead of the specific host name. However this will need to be tested across services, especially the identity management portal to ensure operation is as expected after the change.			
<b>Related issues:</b>			
Duplicates Infrastructure - Bug #4113: CN http redirect uses specific hostnam...		<b>Closed</b>	

#### Associated revisions

##### Revision 39ef1dd2 - 2013-11-16 15:31 - Chris Jones

For Apache configurations on the CNs, use the cn.router.hostname value rather than the cn.hostname value. This allows the HTTP to HTTPS redirect to work correctly. All other services still get configured with cn.hostname.  
Refs and closes #4174 , #4113

##### Revision 12924 - 2013-11-16 15:31 - Chris Jones

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#### History

##### #1 - 2013-11-12 18:46 - Skye Roseboom

- Category changed from d1\_mercury to d1\_cn\_buildout

##### #2 - 2013-11-12 18:51 - Skye Roseboom

- Assignee changed from Skye Roseboom to Robert Waltz

Robert - do you know where in our apache config the hostname variable is set? I can do testing but not familiar with current apache config with respect to hostname and RR.

Maybe this is a problem with the rewrite rules?

I see same issues with `http -- request cn.dataone.org/cn/v1/node --` displays same issue.

### #3 - 2013-11-12 18:59 - Skye Roseboom

- *Subject changed from Accessing cn.dataone.org through web browser ties to specific cn not the RR DNS entry to Accessing cn.dataone.org through http causes redirect to https of specific machine hostname*

### #4 - 2013-11-12 19:00 - Dave Vieglais

Further inspection suggests that this is only a problem when accessing the CNs through a HTTP url. using HTTPS works as expected.

Hence it is unlikely to be resolved by the HostName setting. More likely something to do with the redirect from HTTP to HTTPS.

### #5 - 2013-11-12 19:04 - Skye Roseboom

looks like: `/etc/apache2/sites-available/cn-ssl` is the place for configuration of this. need to check it out.

robert - correct me if that looks wrong!

### #6 - 2013-11-12 21:12 - Skye Roseboom

- *Assignee changed from Robert Waltz to Skye Roseboom*

Grabbing this issue back from you Robert. Going to look into what can be done in cn-ssl.

When I have a solution, will definately ask for a review and we can look to integrate into the buildout project.

### #7 - 2013-11-15 06:00 - Ben Leinfelder

In the cn-ssl, this block needs to use the RR hostname instead of the SERVER\_NAME:

```
DocumentRoot /var/www
ServerName SERVER_NAME
```

```
Redirect permanent / https://SERVER_NAME/
```

You can look this up in the debian postinst:

```
db_get dataone-cn-os-core/cn.router.hostname
HOSTNAME=$RET
```

**#8 - 2013-11-16 15:33 - Chris Jones**

*- Status changed from New to Closed*

I've updated the postinst to use cn.router.hostname in the Apache cn-ssl config file. I've also manually changed this on the 3 production CNs, and have issued /etc/init.d/apache2 reload on UCSB and UNM. The reload on ORC (in the round robin) will happen upon upgrade this week.