



Mark Servilla &lt;mark.servilla@gmail.com&gt;

## LTER Metacat status

1 message

**Roger Dahl** <dahl@unm.edu>

Mon, Aug 18, 2014 at 4:35 PM

To: Mark Servilla <mservilla@lternet.edu>, Ben Leinfelder <leinfelder@nceas.ucsb.edu>, Christopher Jones <cjones@nceas.ucsb.edu>

Cc: Dave Vieglais <vieglais@ku.edu>

The status for LTER's objects on the CN is:

```
59274 ok
 784 sys_meta_read_error
 396 sci_obj_read_error
 291 checksum_mismatch/size_mismatch
   1 size_mismatch
```

784 sys\_meta\_read\_error: These mean that the object was not on the CN at all (the script tries all objects that are in the MN ObjectList).

396 sci\_obj\_read\_error: These are problematic. They mean that getSystemMetadata() works for an object but not get(). An example of this is:

```
curl --cert urn_node_LTER.pem --key urn_node_LTER.key https://cn.dataone.org/cn/v1/object/doi%3A10.6073%2FAA%2Fknb-lter-and.2721.3
```

291 checksum\_mismatch/size\_mismatch: Size and checksum in sys meta does not match that of the object. These errors normally go together, which is what you'd expect.

Example:

```
status,pid,sys_meta_size,sys_meta_checksum,actual_size,actual_checksum
checksum_mismatch/size_mismatch,doi:10.6073/AA/knb-lter-arc.1099.1,7190,c60aa5706ebd5b6ce9
c305a655c1f87b,7439,c91ca71dccc0285beef9b2b09f292b19
```

I have attached object and system metadata for this object. Individually, they both look ok to me.

1 size\_mismatch: Means that the object has the correct checksum but the wrong size, which is strange. The size in sys meta is set to 0 bytes. The object is:

```
status,pid,sys_meta_size,sys_meta_checksum,actual_size,actual_checksum
size_mismatch,doi:10.6073/AA/knb-lter-kbs.14.23,0,7b6283aad77305165124ef35c015c28,4401,7b
6283aad77305165124ef35c015c28
```


In one way, the objects on the CN are in better shape than on the MN, where we have:


```
24458 ok
36256 checksum_mismatch/size_mismatch
 23 sci_obj_read_error
   7 checksum_mismatch
   1 sys_meta_read_error
```

On the other hand, the CN has three large groups of errors while the MN has only one large group.

Roger

**2 attachments**

 **checksum\_mismatch.doi:10.6073/AA/knb-lter-arc.1099.1.sci\_obj**  
8K

 **checksum\_mismatch.doi:10.6073/AA/knb-lter-arc.1099.1.sys\_meta**  
2K