

★ Inserting binary files into Rasdaman



eu

5 de mai

Dear all,

I'm testing Rasdaman to store a collection of MODIS Vegetation Indices (MOD13Q1). I'm doing the data insertion through binary data. When I retrieve the data, I'm getting some invalid values. I did a simple test to try to reproduce it:

1) Creating the array:

```
struct MOD13Q1_pixel {short ndvi,evi,quality,red,nir,blue,mir,view_zenith,sun_zenith,
relative_azimuth,day_of_year;octet reliability;};
typedef marray <MOD13Q1_pixel, [0:172799, 0:86599, 0:*] > MOD13Q1_cube;
typedef set <MOD13Q1_cube> MOD13Q1_cube_set;
```

2) Creating binary files with known values:

```
tr '\00' '$\01' < /dev/zero | tr -d "\n" | dd count=23000 bs=1 of=file23k
tr '\00' '$\01' < /dev/zero | tr -d "\n" | dd count=23000000 bs=1 of=file23M
```

3) Inserting data:

[illegible]

```

rasql -q 'UPDATE mod13q1 as c set c[0:99,0:9,0:0] assign $1' -f file23k --mdddomain "[0:99,0:9,0:0]" --mddtype MOD13Q1 cube --user rasadmin --passwd rasadmin

```

4) Selecting array content:

```
rasql -q "select c.nir from mod13q1 as c" --out hex
```

In this step, I found values other than 1. If I try to insert a bigger file:

```

rasql -q 'UPDATE mod13q1 as c set c[0:999,0:999,0:0] assign $1' -f file23M --mdddmain "
[0:999,0:999,0:0]" --mdddtype MOD13Q1 cube --user rasadmin --passwd rasadmin

```

I get the following error message:

```
"Executing update query...rasdaman error 0: Internal server error.  
aborting transaction...E0505 17:20:43.664132326      1351 tcp_client_posix.c:171]  
failed to connect to 'ipv6::[:1]:7002': socket error: connection refused "...
```

Can anyone tell me what I'm doing wrong?

Thank you in advance,
Vitor



Dimitar Mišev

6 de mai

Hi Vitor,

On 05/05/2017 07:39 PM, Vitor Gomes wrote:

> Dear all,

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```

```
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```

