

unexpected data beyond EOF

Last updated by | Mohammad Abu Hamdieh | Jun 21, 2021 at 10:12 AM PDT

Issue:

when doing inserts error message similar to below can raise:

unexpected data beyond EOF in block 1025005 of relation base/16537/450506

<https://github.com/BCDevOps/openshift-wiki/wiki/Postgresql---unexpected-data-beyond-EOF-in-block> 

Solution:

First try to increase max_wal_size to at least 2G or greater.

if issue persist or max_wal_size is already at 2G or greater, then please check what is the object type:

1) table:

```
select relname,relfilenode,reltype from pg_class where relfilenode=450506;
```

for tables please run vacuum, and if that did not fix it, please run vacuum full (please consider vacuum full will lock the table and copy it, so for large table this need to be done in low load)

<https://www.postgresql.org/docs/11/sql-vacuum.html> 

2) index:

```
select relname,relfilenode,reltype from pg_class where relfilenode=450506;
```

if object is an index, then please run reindex

<https://www.postgresql.org/docs/11/sql-reindex.html> 

Please consider reindex option for different version as for version 11 its not an online operation.