

# QGIS Application - Bug report #258

## WMS getcapabilities may crash on parsing DOM

2006-09-05 12:20 AM - anonymous -

<b>Status:</b> Closed	
<b>Priority:</b> Low	
<b>Assignee:</b> Gavin Macaulay -	
<b>Category:</b> Web Services clients/WMS	
<b>Affected QGIS version:</b>	<b>Regression?:</b> No
<b>Operating System:</b> Debian	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	<b>Resolution:</b> fixed
<b>Crashes QGIS or corrupts data:</b>	<b>Copied to github as #:</b> 10317

### Description

Connecting to <http://aes.gsfc.nasa.gov/cgi-bin/wms> makes QGIS to segfault.

OS: GNU/Linux x86

Qt: 4.1.2

QGIS: 05.09.2006 SVN.

```
[[QgsHttpTransaction]]::getSynchronously: Response received.  
Debug: qgshttptransaction.cpp: 59: (~QgsHttpTransaction) [[QgsHttpTransaction]]: deconstructing.  
[[QgsWmsProvider]]::getServerCapabilities: Converting to DOM.  
[[QgsWmsProvider]]::parseCapabilitiesDOM: entering.  
Segmentation fault
```

BT:

```
#0 0xb67cb27b in strlen () from /lib/tls/i686/cmov/libc.so.6  
#3905 0xb679f2e4 in vfprintf () from /lib/tls/i686/cmov/libc.so.6  
#3906 0xb67bca36 in vsnprintf () from /lib/tls/i686/cmov/libc.so.6  
#3907 0xb7dd1eba in qvsprintf () from /usr/lib/libQtCore.so.4  
#3908 0xb7d9239b in qWarning () from /usr/lib/libQtCore.so.4  
#3909 0xb46b06e0 in [[QgsWmsProvider]]::parseCapabilitiesDOM (this=0x823d580, xml=@0x823d5cc,  
capabilitiesProperty=@0x823d5d8)  
    at qgswwmsprovider.cpp:828  
#3910 0xb46b487a in [[QgsWmsProvider]]::retrieveServerCapabilities (this=0x823d580, forceRefresh=false) at  
qgswwmsprovider.cpp:666  
#3911 0xb46b573f in [[QgsWmsProvider]]::supportedLayers (this=0x823d580, layers=@0xffffffff) at qgswwmsprovider.cpp:195  
#3912 0xb6b93517 in [[QgsServerSourceSelect]]::populateLayerList (this=0x816e028, wmsProvider=0xffffffff)  
    at qgsserversourceselect.cpp:179  
#3913 0xb6b95588 in [[QgsServerSourceSelect]]::on_btnConnect_clicked (this=0x816e028) at qgsserversourceselect.cpp:428  
#10 0xb6c14971 in [[QgsServerSourceSelect]]::qt_metacall (this=0x816e028, _c=QMetaObject::InvokeMetaMethod, _id=3,  
_a=0xbfec1a5c)  
    at qgsserversourceselect.moc.cpp:81  
#3914 0xb7e332bd in QMetaObject::activate () from /usr/lib/libQtCore.so.4  
#3915 0xb7e334e9 in QMetaObject::activate () from /usr/lib/libQtCore.so.4  
#3916 0xb799e5a5 in QAbstractButton::clicked () from /usr/lib/libQtGui.so.4  
#3917 0xb7840e06 in QButtonGroup::id () from /usr/lib/libQtGui.so.4  
#3918 0xb7840ffd in QAbstractButton::mousePressEvent () from /usr/lib/libQtGui.so.4
```

```
#3919 0xb767deec in QWidget::event () from /usr/lib/libQtGui.so.4
#3920 0xb7841426 in QAbstractButton::event () from /usr/lib/libQtGui.so.4
#3921 0xb78a297c in QPushButton::event () from /usr/lib/libQtGui.so.4
#3922 0xb763e7c5 in QApplicationPrivate::notify_helper () from /usr/lib/libQtGui.so.4
#3923 0xb763fa5a in QApplication::notify () from /usr/lib/libQtGui.so.4
#3924 0xb7690e7d in QApplication::x11ProcessEvent () from /usr/lib/libQtGui.so.4
#3925 0xb7690568 in QApplication::x11ProcessEvent () from /usr/lib/libQtGui.so.4
#3926 0xb76a184e in non-virtual thunk to QDesktopWidget::~QDesktopWidget() () from /usr/lib/libQtGui.so.4
#3927 0xb7e2568a in QEventLoop::processEvents () from /usr/lib/libQtCore.so.4
#3928 0xb7e2589d in QEventLoop::exec () from /usr/lib/libQtCore.so.4
#3929 0xb790b0e6 in QDialog::exec () from /usr/lib/libQtGui.so.4
#3930 0xb6a6c6eb in [[QgisApp]]::addWmsLayer (this=0x80df568) at qgisapp.cpp:1968
#3931 0xb6c0cf41 in [[QgisApp]]::qt_metacall (this=0x80df568, _c=QMetaObject::InvokeMetaMethod, _id=83, _a=0xbfec2acc)
    at qgisapp.moc.cpp:294
#3932 0xb7e332bd in QMetaObject::activate () from /usr/lib/libQtCore.so.4
#3933 0xb7e334e9 in QMetaObject::activate () from /usr/lib/libQtCore.so.4
#3934 0xb763a069 in QAction::triggered () from /usr/lib/libQtGui.so.4
#3935 0xb763aa07 in QAction::activate () from /usr/lib/libQtGui.so.4
#3936 0xb78d859a in QToolButton::nextCheckState () from /usr/lib/libQtGui.so.4
#3937 0xb7840dc9 in QButtonGroup::id () from /usr/lib/libQtGui.so.4
#3938 0xb7840ffd in QAbstractButton::mouseReleaseEvent () from /usr/lib/libQtGui.so.4
#36 0xb767deec in QWidget::event () from /usr/lib/libQtGui.so.4
#37 0xb7841426 in QAbstractButton::event () from /usr/lib/libQtGui.so.4
#38 0xb78d8344 in QToolButton::event () from /usr/lib/libQtGui.so.4
#39 0xb763e7c5 in QApplicationPrivate::notify_helper () from /usr/lib/libQtGui.so.4
#40 0xb763fa5a in QApplication::notify () from /usr/lib/libQtGui.so.4
#41 0xb7690e7d in QApplication::x11ProcessEvent () from /usr/lib/libQtGui.so.4
#42 0xb7690568 in QApplication::x11ProcessEvent () from /usr/lib/libQtGui.so.4
#43 0xb76a184e in non-virtual thunk to QDesktopWidget::~QDesktopWidget() () from /usr/lib/libQtGui.so.4
#44 0xb7e2568a in QEventLoop::processEvents () from /usr/lib/libQtCore.so.4
#45 0xb7e2589d in QEventLoop::exec () from /usr/lib/libQtCore.so.4
#46 0xb7e27fe7 in QCoreApplication::exec () from /usr/lib/libQtCore.so.4
#47 0xb763e565 in QApplication::exec () from /usr/lib/libQtGui.so.4
#48 0x0804c729 in main (argc=1, argv=0xbfec38a4) at main.cpp:604
```

## History

### #1 - 2006-09-05 02:56 AM - Gavin Macaulay -

That's a really big capabilities document - about 2MB, and qgis is failing when trying to print it out in a bit of debugging code. If you compile with debugging turned off, the problem might go away (then again it might not :).

### #2 - 2006-09-06 02:27 PM - Gavin Macaulay -

- Resolution set to fixed

- Status changed from Open to Closed

Fixed in SVN commit:9830a34e (SVN r5766). Problem was with the use of the qWarning function, which only has space for a string of max length 8192 bytes. A second problem exists in Qt4.1.2 and later (will be fixed in qt4.2.0) that could of been contributing to the problem. This commit works around the Qt4.1.2 problem, and uses the [[QgsLogger]] class instead of qWarning, which doesn't have the 8192 character limitation.

#3 - 2009-08-22 12:46 AM - Anonymous

Milestone Version 0.8 deleted