

Quassel IRC - Bug #1227

Switching channels on OSX, Macbook retina, Quassel 0.9 takes > 7 seconds

05/23/2013 09:41 PM - miohtama

Status:	Resolved	Start date:	05/23/2013
Priority:	Normal	Due date:	
Assignee:		% Done:	100%
Category:	Quassel Client	Estimated time:	0.00 hour
Target version:		OS:	Any
Version:	0.9-pre		
Description			
The following scenario			
- Core upgraded to 0.9			
- Client upgraded to 0.9			
- OSX Mountain Lion			
- Having channel and private message buffers from freenode.net network			
- When starting the client			
- when choosing any buffer for the first time			
- There is unresponsiveness of 5-10 seconds before channel is opened, the application goes to unresponsiveness mode			
Below is the stacktrace from the slowdown grabbed from Xcode Instruments.			
Note: There is noticeable backlog of events, but the issue did not appear on 0.8 and it also happens for buffers having only recent history (< 3 days, only couple of messages)			
{{{			
Running Time	Self	Symbol Name	
7411.0ms	99.9%	0.0	Main Thread 0x83519
7411.0ms	99.9%	0.0	start
7411.0ms	99.9%	0.0	main
7411.0ms	99.9%	0.0	QCoreApplication::exec()
7411.0ms	99.9%	0.0	QEventLoop::exec(QFlags<QEventLoop::ProcessEventsFlag>)
7411.0ms	99.9%	0.0	QEventLoop::processEvents(QFlags<QEventLoop::ProcessEventsFlag>)
7411.0ms	99.9%	0.0	QEventDispatcherMac::processEvents(QFlags<QEventLoop::ProcessEventsFlag>)
7411.0ms	99.9%	0.0	-[NSApplication run]
7401.0ms	99.8%	0.0	-[QNSApplication sendEvent:]
7401.0ms	99.8%	0.0	-[NSApplication sendEvent:]
7401.0ms	99.8%	0.0	-[QCocoaWindow sendEvent:]
7401.0ms	99.8%	0.0	-[NSWindow sendEvent:]
7399.0ms	99.8%	0.0	qt_mac_handleMouseEvent(NSEvent*, QEvent::Type, Qt::MouseButton, QWidget*, bool)
7399.0ms	99.8%	0.0	QApplicationPrivate::sendMouseEvent(QWidget*, QMouseEvent*, QWidget*, QWidget*, QWidget**, QPointer<QWidget> &, bool)
7399.0ms	99.8%	0.0	QCoreApplication::notifyInternal(QObject*, QEvent*)
7399.0ms	99.8%	0.0	QApplication::notify(QObject*, QEvent*)
7399.0ms	99.8%	0.0	QApplicationPrivate::notify_helper(QObject*, QEvent*)
7399.0ms	99.8%	0.0	QCoreApplicationPrivate::sendThroughObjectEventFilters(QObject*, QEvent*)
7399.0ms	99.8%	0.0	QAbstractScrollAreaFilter::eventFilter(QObject*, QEvent*)
7399.0ms	99.8%	0.0	QTreeView::viewportEvent(QEvent*)
7399.0ms	99.8%	0.0	QAbstractItemView::viewportEvent(QEvent*)
7399.0ms	99.8%	0.0	QAbstractScrollArea::viewportEvent(QEvent*)
7399.0ms	99.8%	0.0	QFrame::event(QEvent*)
7399.0ms	99.8%	0.0	QWidget::event(QEvent*)
7399.0ms	99.8%	0.0	QAbstractItemView::mousePressEvent(QMouseEvent*)
7399.0ms	99.8%	0.0	QItemSelectionModel::setCurrentIndex(QModelIndex const&, QFlags<QItemSelectionModel::SelectionFlag>)

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7399.0ms 99.8% 0.0      QItemSelectionModel::currentChanged(QModelIndex const&, QModelIndex const&)
7399.0ms 99.8% 0.0      QMetaObject::activate(QObject*, QMetaObject const*, int, void**)
7399.0ms 99.8% 0.0      SelectionModelSynchronizer::syncedCurrentChanged(QModelIndex const&,
QModelIndex const&)
7399.0ms 99.8% 0.0      QItemSelectionModel::setCurrentIndex(QModelIndex const&,
QFlags<QItemSelectionModel::SelectionFlag>)
7399.0ms 99.8% 0.0      QItemSelectionModel::currentChanged(QModelIndex const&, QModelIndex const&)
7399.0ms 99.8% 0.0      QMetaObject::activate(QObject*, QMetaObject const*, int, void**)
7399.0ms 99.8% 0.0      BufferWidget::currentChanged(QModelIndex const&, QModelIndex const&)
7399.0ms 99.8% 0.0      AbstractBufferContainer::currentChanged(QModelIndex const&, QModelIndex
const&)
7399.0ms 99.8% 0.0      AbstractBufferContainer::setCurrentBuffer(BufferId)
7399.0ms 99.8% 0.0      BufferWidget::createChatView(BufferId)
7399.0ms 99.8% 0.0      ChatView::ChatView(BufferId, QWidget*)
7399.0ms 99.8% 0.0      ChatView::init(MessageFilter*)
7399.0ms 99.8% 0.0      ChatScene::ChatScene(QAbstractItemModel*, QString const&, double,
ChatView*)
7398.0ms 99.7% 0.0      QSortFilterProxyModel::rowCount(QModelIndex const&) const
7398.0ms 99.7% 0.0      QSortFilterProxyModelPrivate::create_mapping(QModelIndex const&) const
7398.0ms 99.7% 2.0      MessageFilter::filterAcceptsRow(int, QModelIndex const&) const
7319.0ms 98.7% 4.0      IgnoreListManager::_match(QString const&, QString const&, Message::Type,
QString const&, QString const&)
3170.0ms 42.7% 1.0      QRegExp::exactMatch(QString const&) const
3159.0ms 42.6% 1.0      prepareEngine_helper(QRegExpPrivate*)
531.0ms 7.1% 0.0      QRegExp::~QRegExp()
352.0ms 4.7% 0.0      QRegExp::setCaseSensitivity(Qt::CaseSensitivity)
89.0ms 1.2% 0.0      IgnoreListManager::scopeMatch(QString const&, QString const&) const
7.0ms 0.0% 1.0      QRegExpMatchState::prepareForMatch(QRegExpEngine*)
1.0ms 0.0% 0.0      QRegExp::QRegExp(QString const&, Qt::CaseSensitivity,
QRegExp::PatternSyntax)
1.0ms 0.0% 1.0      QRegExp::~QRegExp()
1.0ms 0.0% 1.0      QString::operator=(QString const&)
1.0ms 0.0% 1.0      QRegExpMatchState::match(QChar const*, int, int, bool, bool, int)
1.0ms 0.0% 1.0      QList<QString>::~QList()
1.0ms 0.0% 1.0      QString::fromAscii_helper(char const*, int)
1.0ms 0.0% 0.0      free
40.0ms 0.5% 1.0      MessageModel::data(QModelIndex const&, int) const
21.0ms 0.2% 2.0      clear(QVariant::Private*)
8.0ms 0.1% 1.0      BufferInfo::bufferName() const
2.0ms 0.0% 2.0      Message::~Message()
2.0ms 0.0% 2.0      NetworkModel::networkId(BufferId) const
2.0ms 0.0% 2.0      QVariant::constData() const
1.0ms 0.0% 1.0      QMetaType::destroy(int, void*)
1.0ms 0.0% 1.0      Message qvariant_cast<Message>(QVariant const&)
}}}

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Associated revisions

Revision 8677a82a - 03/20/2014 09:58 PM - Bombe

Only create the regular expression for content/sender matches once.

Fixes #1227.

Revision 17fe4859 - 03/20/2014 10:46 PM - Bombe

Only create the regular expression for content/sender matches once.

Fixes #1227.

History

#1 - 05/23/2013 09:43 PM - miohtama

Also if it was unclear this happens only for my freenode.net buffers, not for other networks (ircnet, quakenet, irc.mozilla.org)

#2 - 05/23/2013 09:44 PM - miohtama

Looks like clearing the ignore list resolved the issue.

#3 - 05/28/2013 02:09 PM - sandsmark

I suspect that it is partly because the QRegExp is recreated for every line.

#4 - 06/19/2013 01:25 PM - jeroendeneef

I also have the issue on Windows 7.
However, my ignore list is empty.

#5 - 02/02/2014 12:51 PM - Bombe

I have moved the regex creation into the IgnoreListItem and that seems to have sped up the process of initially filling new buffers. However, there is still a noticable delay.

<https://github.com/Bombe/quassel/tree/issue-1227>

#6 - 03/20/2014 10:44 PM - Bombe

- *Status changed from New to Resolved*
- *% Done changed from 0 to 100*

Applied in changeset quassel|commit:8677a82a6664da67c67610d0b438ee17904b12fb.