

## Quassel IRC - Bug #158

### Handle ASCII control codes sanely

05/06/2008 04:51 PM - Sputnik

|   |              |                        |           |
|---|--------------|------------------------|-----------|
| <b>Status:</b>  | Resolved     | <b>Start date:</b>     |           |
| <b>Priority:</b>  | Normal       | <b>Due date:</b>       |           |
| <b>Assignee:</b>  |              | <b>% Done:</b>         | 0%        |
| <b>Category:</b>  | Quassel Core | <b>Estimated time:</b> | 0.00 hour |
| <b>Target version:</b>  | 0.9.0        | <b>OS:</b>             | Any       |
| <b>Version:</b>   | 0.3.0.x      |                        |           |
| <b>Description</b>  |              |                        |           |
| Codes below 0x20 are ASCII control codes. If somebody send one of these via IRC (that just happened for some strange reason), QString converts those to funny-looking characters.         |              |                        |           |
| We should think about a way to display these more sanely, maybe using the "standard" notation ^H for backspace etc. (but be sure to distinguish that from somebody sending ^H literally). |              |                        |           |

### History

#### #1 - 12/28/2008 01:50 AM - Sputnik

- Priority changed from High to Normal

#### #2 - 10/05/2012 11:32 PM - Gallaecio

I was going to give this a try, but I've not been able to reproduce it... ..because I could not figure out how to write ASCII characters in Linux given their value.

Anyway, since it's been 4 years since the last update, is this bug still valid?

#### #3 - 10/06/2012 12:01 PM - Anonymous

- Version set to 0.8-pre

- OS set to Any

Yes, this is still valid; Easiest way for me is to fire up ii and e.g. ``echo -e 'foo\010bar\007' >in``.

#### #4 - 10/11/2012 09:45 PM - Anonymous

- Target version set to Some future release

#### [MR 153](#)

#### #5 - 12/01/2012 06:11 PM - Gallaecio

- File 0001-An-UTF-8-character-is-now-used-to-represent-the-ASCII.patch added

I've written a patch to replace the control characters by an UTF-8 character that represents them visually.

Also, these are in-depth details on the steps to reproduce the issue, just in case:

1. From Quassel, connect to the room #quassel-issue158 in FreeNode.
2. Install 'ii'.
3. Run it. For example:

```
$ ii -i . -s 83.170.94.214 -p 6665 -n QuasselIssue158
```

4. From a different terminal, enter the directory generated ('83.170.94.214') and run:

```
$ echo "/j #quassel-issue158" > in
$ cd \#quassel-issue158/
$ echo -e "foo\007bar\010" > in
```

5. Watch the result in Quassel.

Expected result: meaningful representation of the codes.

Actual result: meaningless characters.

To print the whole list of control codes, use the following script:

```
for i in {0..31} 127
do
  hex=$(echo "$i" "16" o p" | dc)
  echo -e "$(printf "%03x\n" 0x$hex). foo\x$(printf "%02x" 0x$hex)bar" > "$1"; sleep 1;
done
```

Run it followed by the path to the target 'in' file:

```
$ ./script.sh "83.170.94.214/#quassel-issue158/in"
```

**#6 - 12/01/2012 06:16 PM - Gallaecio**

Ups, I see there is already a fix, so nevermind about the patch.

**#7 - 02/20/2013 08:01 PM - Anonymous**

- Status changed from *New* to *Resolved*
- Assignee set to *Anonymous*
- Target version changed from *Some future release* to *0.9.0*
- Version changed from *0.8-pre* to *0.3.0.x*

Merged in [4676ff82af669595edaf090c97a28161d67782a1](#)

**Files**

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|  |         |            |           |
|--|---------|------------|-----------|
| 0001-An-UTF-8-character-is-now-used-to-represent-the-ASCII.patch | 3.54 KB | 12/01/2012 | Gallaecio |
|--|---------|------------|-----------|