## Tails - Feature #9001

Onion Circuits should connect via the Tor control port filter

### Description

One of my main motivations to remove Vidalia is to get rid of this "one X application has full control over Tor" situation, so it would be good if Tor Monitor was only allowed to get the information it needs, as opposed to being allowed to do everything such as configure a well-chosen set of attacker-controlled bridges and de-anonymize the user (with precision = N bits, given N total bridges controlled by the attacker).

As of 20150220, Tor Monitor directly uses:

- `GETINFO circuit-status`
- `GETINFO stream-status`
- `GETINFO ip-to-country`

It also uses Stem, that probably sends more control commands to Tor.

### Related issues:

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<th>Related to Tails - Bug</th>
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<tr>
<td>Bug #9366: Is user separation enough to hide Tor state fro...</td>
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<td>Bug #9365: Evaluate consequences of full Tor circuit/strea...</td>
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<td>Duplicated by Tails - Feature #10058: Filter TorMonitor access to tor control...</td>
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### Associated revisions

**Revision e3963d1d - 09/24/2016 12:58 PM - anonym**

Make onioncircuits use the filtered control port.

Will-fix: #9001

**Revision 1a3c62b9 - 01/11/2017 07:23 AM - intrigeri**

Merge remote-tracking branch 'origin/feature/7870-include_onionshare' into devel

Fix-committed: #7870, #6742, #6788, #9001

### History

**#1 - 03/03/2015 02:22 PM - intrigeri**

- Affected tool set to Tor Monitor
To get the conversation between TorMonitor and the Tor daemon: sudo socat -v UNIX-LISTEN:/tmp/tor-control-copy UNIX-CONNECT:/var/run/tor/control.

Currently TorMonitor uses:

- PROTOCOLINFO
- AUTHCHALLENGE SAFECOOKIE
- AUTHENTICATE
- SETEVENTS
- GETCONF __owningcontrollerprocess
- GETINFO version
- SETEVENTS SIGNAL
- SETEVENTS CONF_CHANGED SIGNAL STREAM CIRC
- GETINFO circuit-status
- GETINFO stream-status
- GETCONF usemicrodescriptors
- GETINFO ip-to-country/*
- GETINFO ns/id/*
#10 - 11/08/2015 02:44 AM - alant
- Parent task set to #9582

#11 - 02/18/2016 08:27 PM - intrigeri
- Subject changed from Tor Monitor should connect via the Tor control port filter to Onion Circuits should connect via the Tor control port filter

#12 - 02/18/2016 08:31 PM - intrigeri
- Parent task deleted (#9582)
- Affected tool changed from Tor Monitor to Onion Circuits

Let's not make it block #9582 as even if we haven't this, it's not a regression compared to Vidalia (and yay, if we don't do this now then likely it won't ever be done, but well, I can live with it or fix it myself I guess).

#13 - 02/21/2016 10:54 AM - intrigeri
- Related to Bug #9365: Evaluate consequences of full Tor circuit/stream state and restrict it as needed added

#14 - 02/27/2016 12:23 PM - sajolida
- Related to Feature #8927: Replicate Vidalia's ability to close arbitrary circuits added

#15 - 02/28/2016 01:04 PM - intrigeri
- Related to Feature #6742: Make tor-controlport-filter reusable added

#16 - 02/29/2016 11:22 AM - anonym
alant wrote:

```
To get the conversation between TorMonitor and the Tor daemon: sudo socat -v UNIX-LISTEN:/tmp/tor-control-copy
UNIX-CONNECT:/var/run/tor/control.

Currently TorMonitor uses:
- PROTOCOLINFO
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- GETINFO circuit-status
- GETINFO stream-status
- GETCONF usemicrodescriptors
- GETINFO ip-to-country/*
- GETINFO ns/id/*
```

Allowing only these should be possible using Whonix' fork of our control port filter, control-port-filter-python (docs). In Git it has support for globs, needed for (at least) the last two GETINFO commands.

Also, it handles concurrent connections, so the same filter can probably be used for the Tor Browser's circuit view.
#17 - 04/01/2016 04:38 PM - intrigeri
- Blocks Bug #11197: Onion Circuits is not read by Orca added

#18 - 06/23/2016 03:40 AM - sajolida
- Related to Feature #11542: Evaluate using roflcoptor as Tor control port filter added

#19 - 09/23/2016 03:09 AM - intrigeri
- Related to Feature #11826: Evaluate using Whonix' control-port-filter-python as Tor control port filter added

#20 - 09/26/2016 11:51 AM - anonym
- Status changed from Confirmed to In Progress

Applied in changeset e3963d1de22bc9fcc3a61785a11838597bb616e9.

#21 - 01/10/2017 11:47 AM - anonym
- Assignee set to intrigeri
- Target version set to Tails 2.10
- % Done changed from 0 to 50
- QA Check set to Ready for QA
- Feature Branch set to feature/7870-include_onionshare

#22 - 01/11/2017 12:14 PM - intrigeri
- Status changed from In Progress to 11
- % Done changed from 50 to 100

Applied in changeset 1a3c62b96edd337cacad6e6b6d2c9eed1951784a8.

#23 - 01/11/2017 12:16 PM - intrigeri
- Assignee deleted (intrigeri)
- QA Check changed from Ready for QA to Pass

#24 - 01/24/2017 08:45 PM - anonym
- Status changed from 11 to Resolved