August 15–16
2015
I2P
GETI2P.NET
HackLab
1266 Queen Street West,
Toronto, Ontario
Canada
In Partnership
with:
Toronto Crypto for
helping orgainze this
event
Hacklab for providing
us with a great space

The Agony and the Ecstasy of I2P on Android

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Talk overview

- The Past
- The Agony
- The Ecstasy
- The Future

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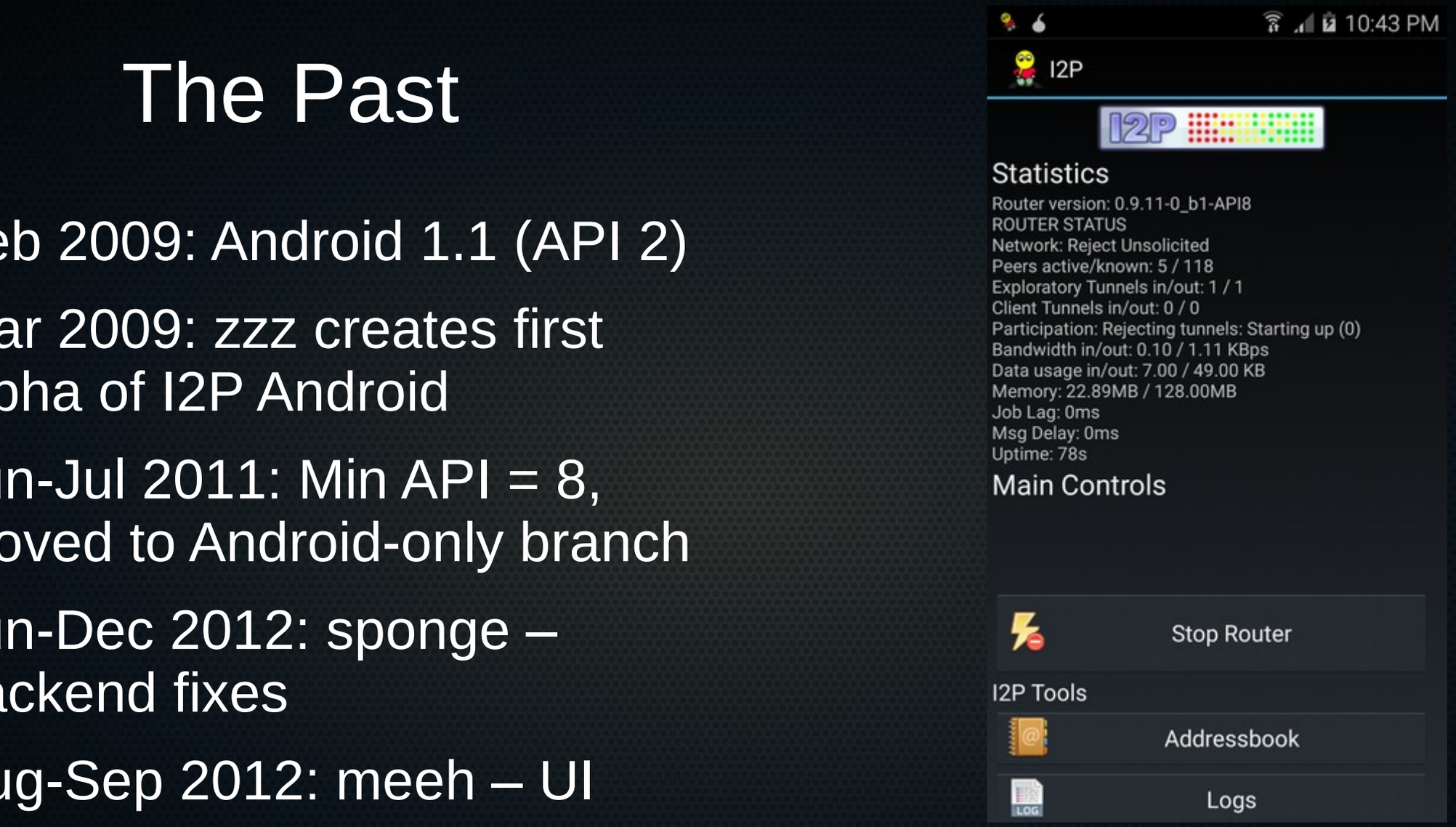
The Past

- Feb 2009: Android 1.1 (API 2)
- Mar 2009: zzz creates first alpha of I2P Android
- Jun-Jul 2011: Min API = 8, moved to Android-only branch
- Jun-Dec 2012: sponge – backend fixes
- Aug-Sep 2012: meeh – UI



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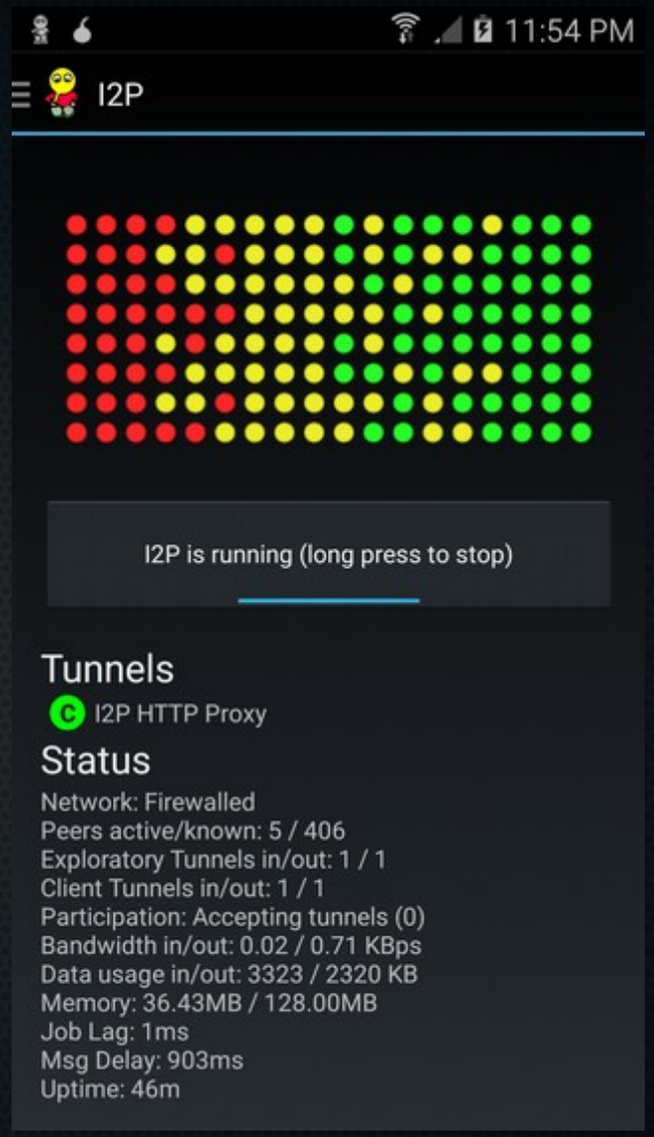
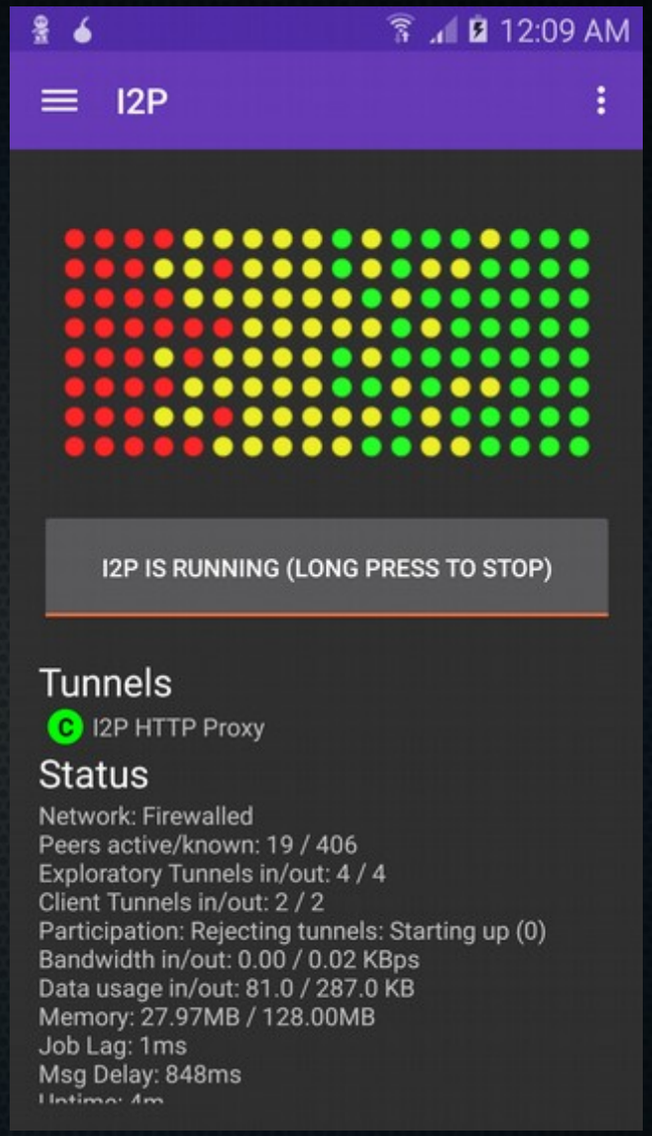
Recent developments

- Aug 2013 – Mar 2014: Overhaul of UI, added navigation drawer
- Jun 2014: Min API = 9
- Jul 2014: Client library created



Recent developments

- Dec 2014: Material Design overhaul, browser config guides
- Mar-Apr 2015: Backend improvements, graceful shutdown



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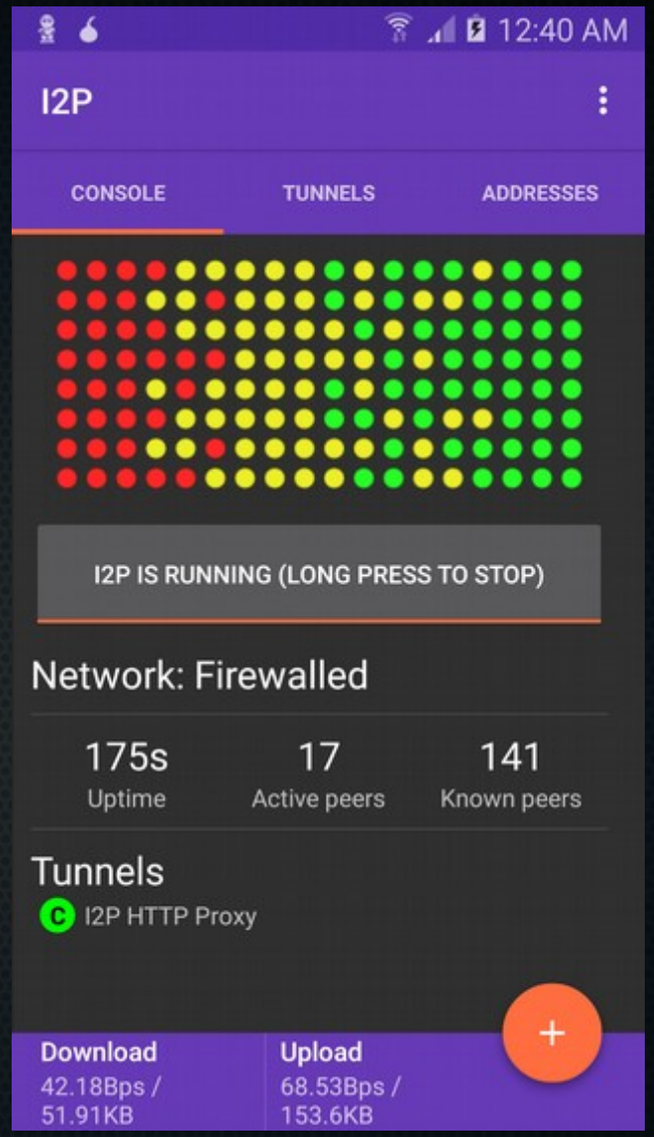
Recent developments

- Jun 2015: Another UI overhaul, tunnel config UI (finally!)



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Distribution

- Website / direct download
- F-Droid
  - Main repo
  - Our own repository – https://f-droid.i2p.io
- Google Play (since end of 2014)

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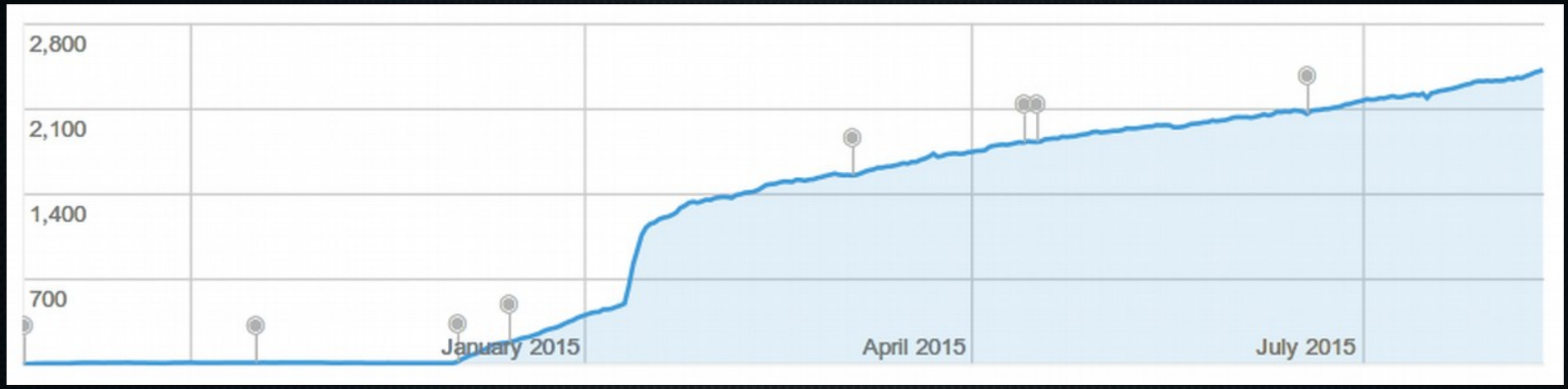
Current user installs - Google Play



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GIZMODO

Silk Road Reloaded Ditches Tor for a More Anonymous Network

Darren Orf

Filed to: SILK ROAD 1/11/15 3:20pm

8 ☆

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CURRENT INSTALLS BY DEVICE ON AUG 13, 2015

	YOUR APP	
☑ United States	1,080	44.46%
☑ United Kingdom	173	7.12%
☑ Germany	150	6.18%
☐ Brazil	117	4.82%
☐ Canada	107	4.41%
☐ Australia	85	3.50%
☐ Spain	70	2.88%
☐ Italy	57	2.35%
☐ China	51	2.10%
☐ Mexico	41	1.69%
Others	498	20.50%

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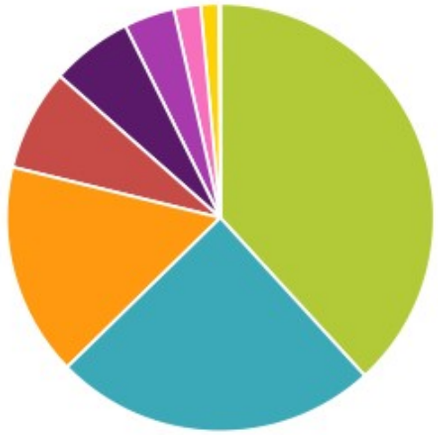
CURRENT INSTALLS BY DEVICE ON AUG 13, 2015



	YOUR APP	
☑ Android 4.4	928	38.21%
☑ Android 5.0	595	24.50%
☑ Android 5.1	391	16.10%
☐ Android 4.2	187	7.70%
☐ Android 4.1	150	6.18%
☐ Android 4.3	93	3.83%
☐ Android 4.0.3 - 4.0.4	49	2.02%
☐ Android 2.3.3 - 2.3.7	33	1.36%
☐ Android 3.1	2	0.08%
☐ Android 3.2	1	0.04%

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The Agony

"If you're having app problems

I feel bad for you son.

I got 99 problems

But Dalvik ain't one.

It's 37."

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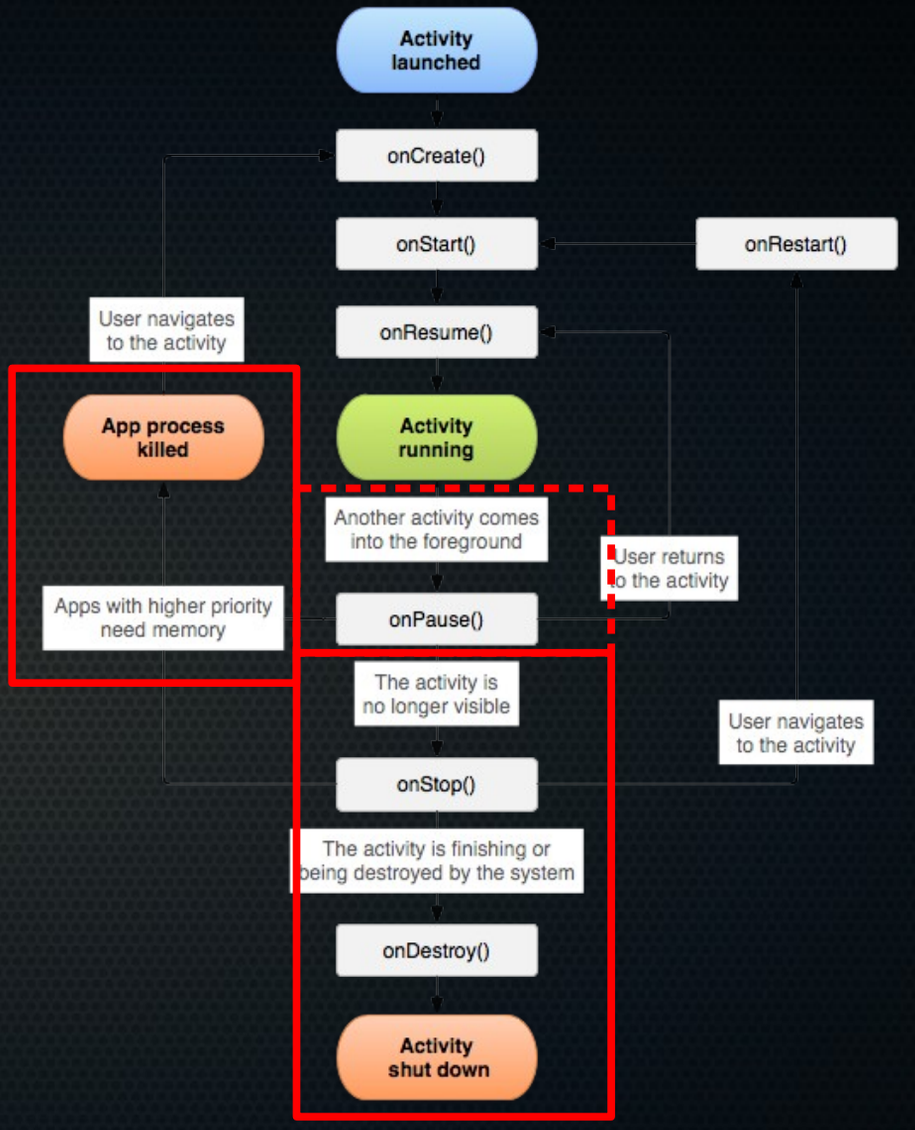

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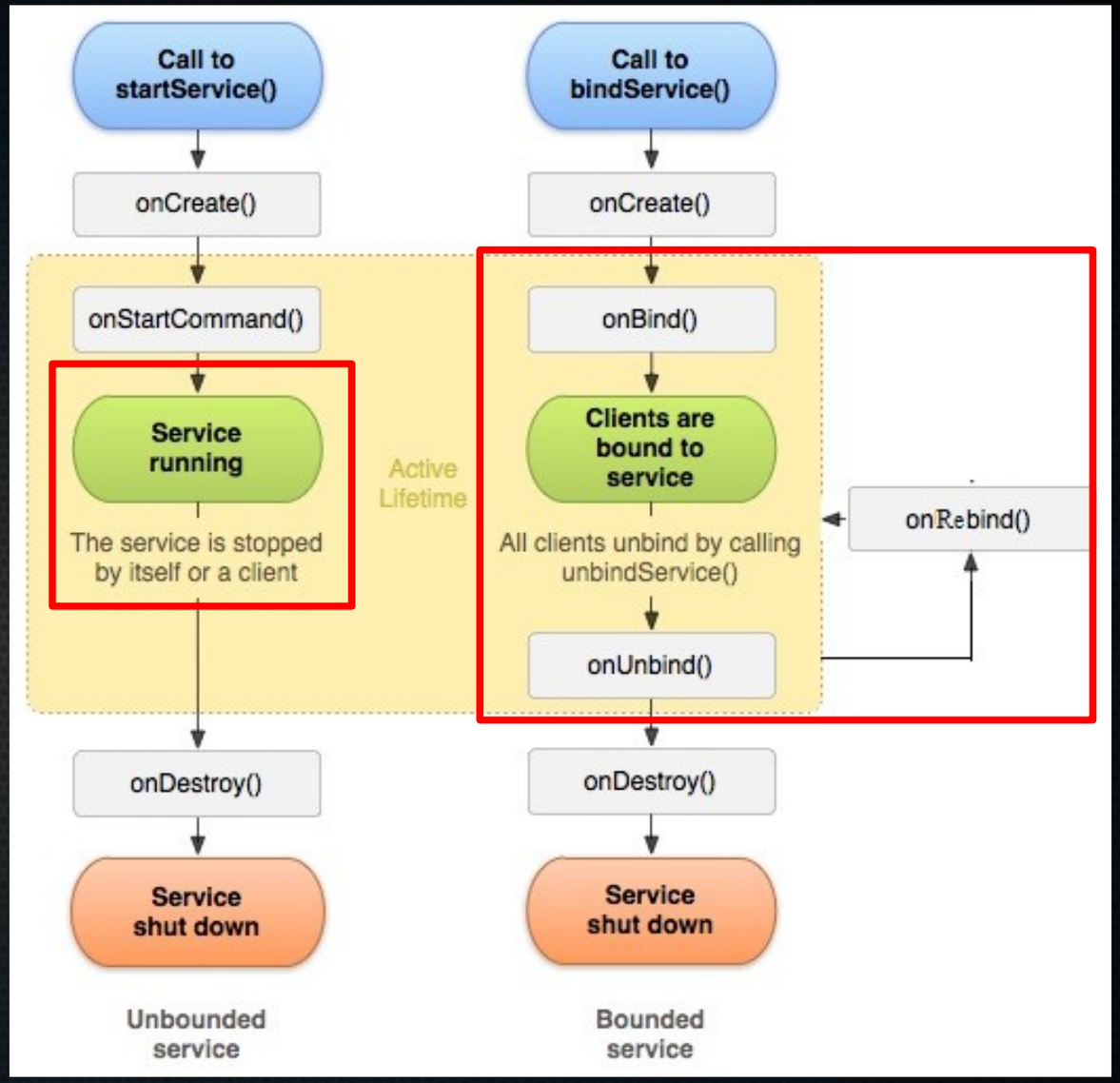

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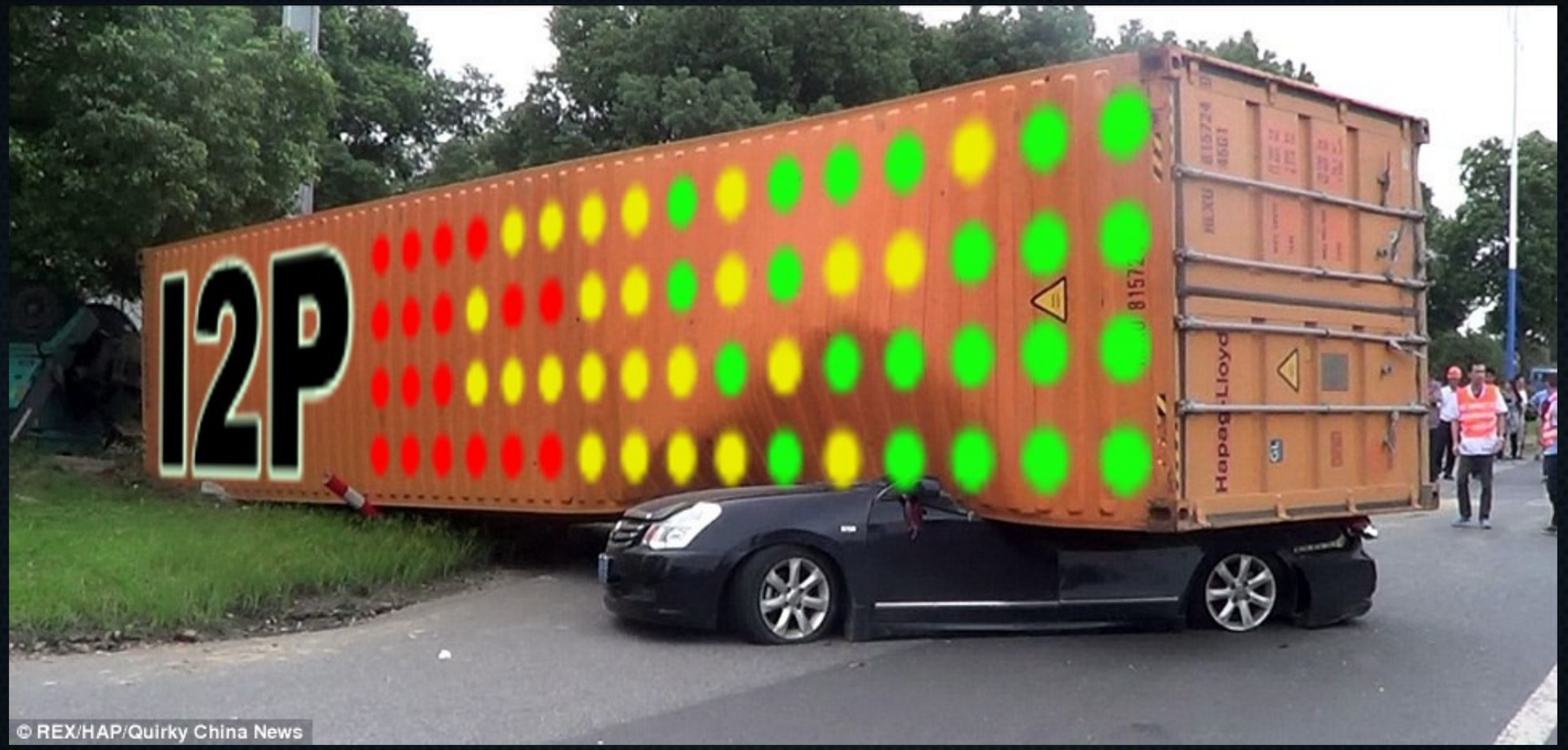

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★ ★ ★ ☆ ☆

Flawless except... My smart phone seems to have issues with the I2P app. I've got a hunch it may be because I2P-by design- reqs consistent connectivity. It may be a battery issue since it was 99% when I started typing 30 sec ago and now ...it's burning me.. battery charge almost gon-

Reply to this review

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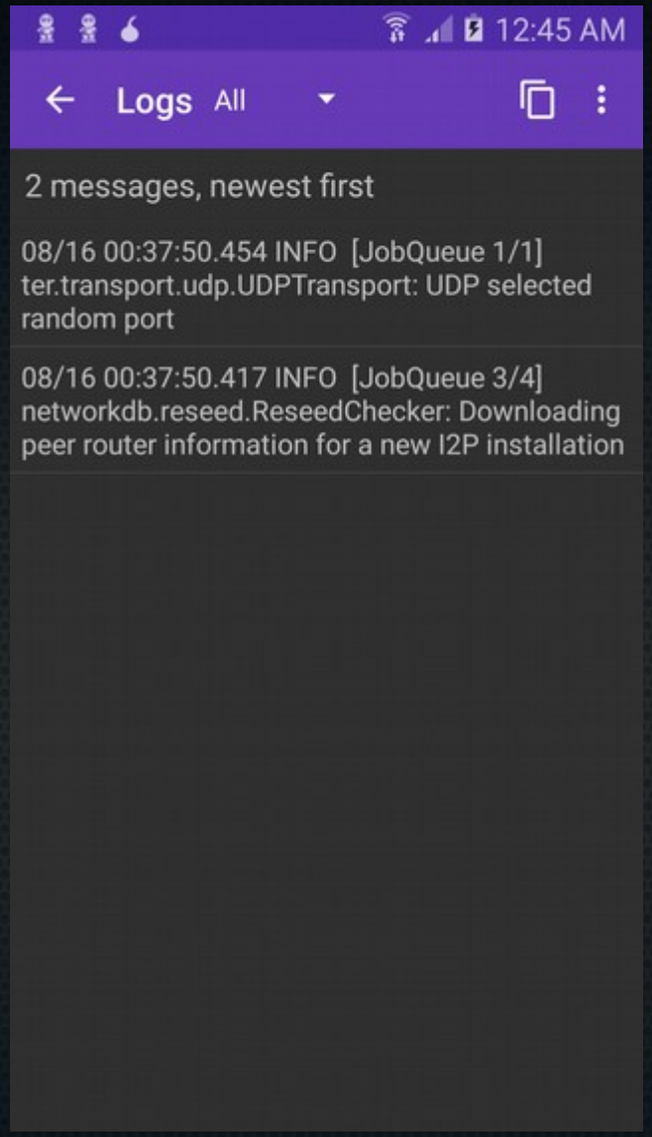

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CRASHES & ANRS

Export as CSV

Type: Crashes | ANRs

Show hidden: YES | NO

Last reported: Last 7 days

Android version: All versions

Application version: Current production (0.9

Device

Add filter

2 new crashes | 2 total crashes

Page 1 of 1

NAME	NEW	REPORTS THIS WEEK	REPORTS TOTAL	LAST REPORTED	HIDE
Native crash at /system/lib/libc.so in /system/lib/libc.so (__memcpy_base+133), /system/lib/li…	NEW		1	Yesterday, 2:16 PM	Hide
java.lang.NullPointerException in android.view.ViewOverlay$OverlayViewGroup.add	NEW		1	Aug 12, 6:47 AM	Hide

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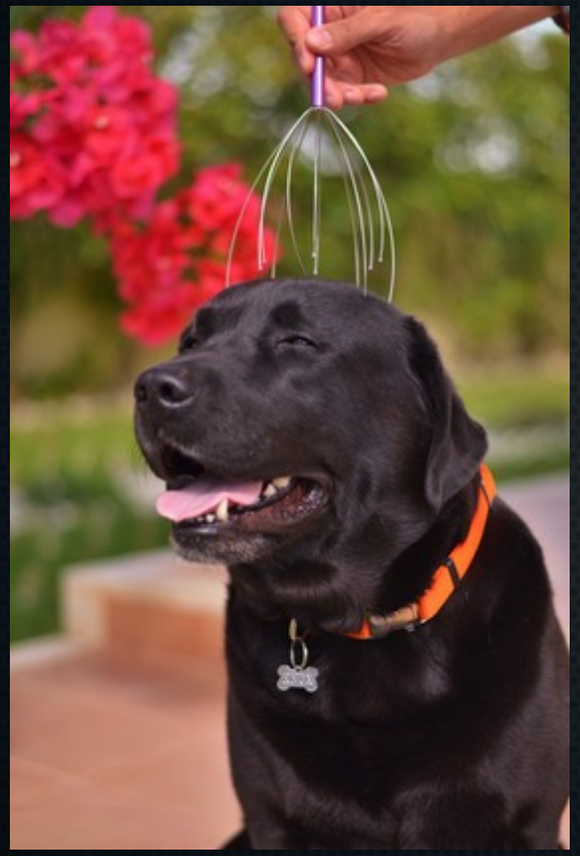
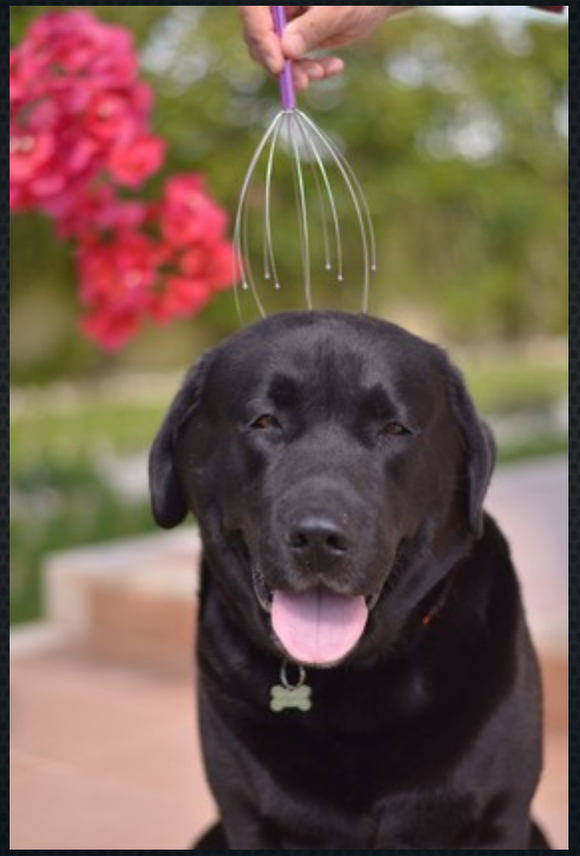
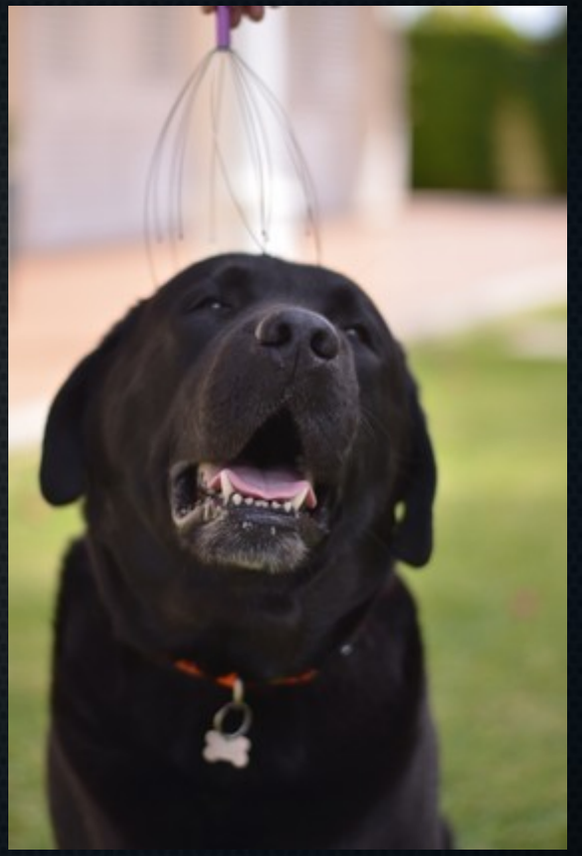
The Ecstasy







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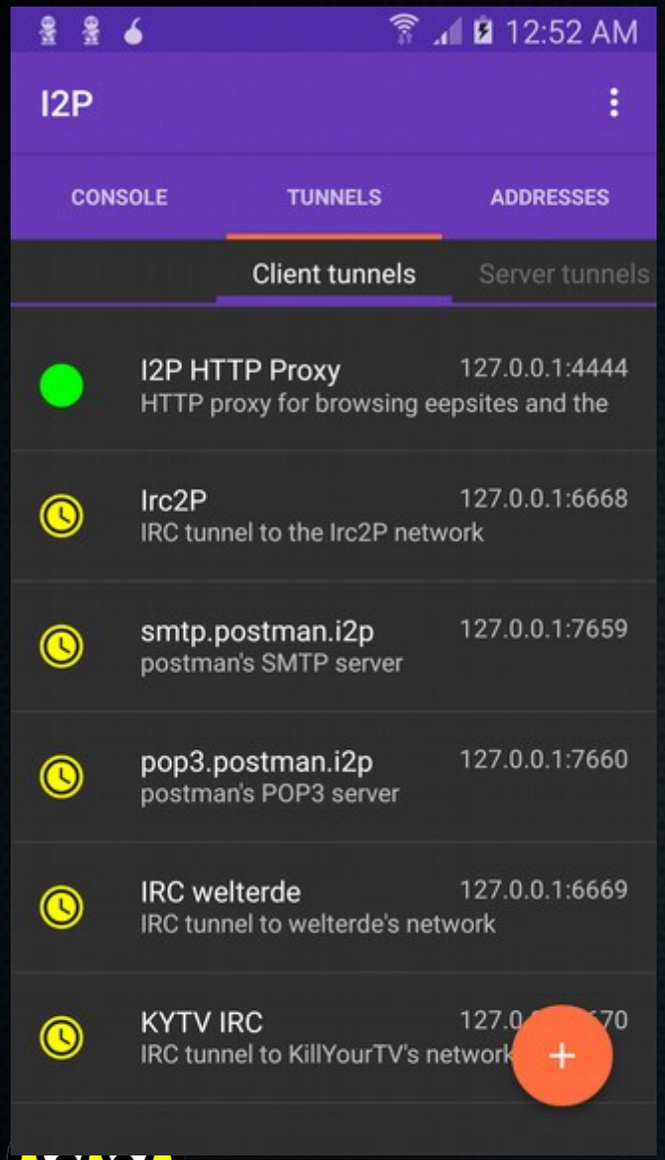

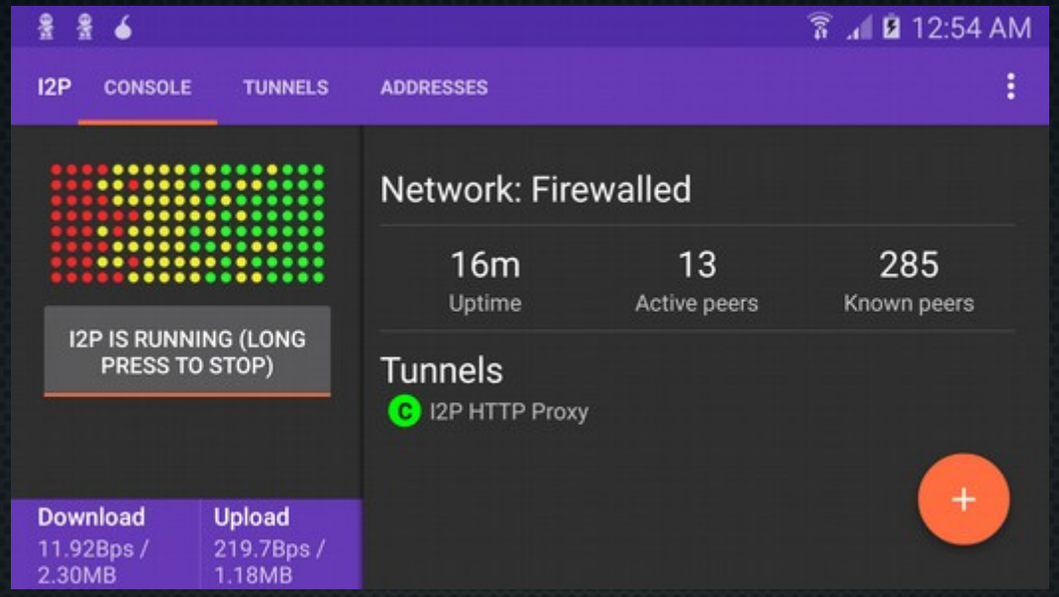

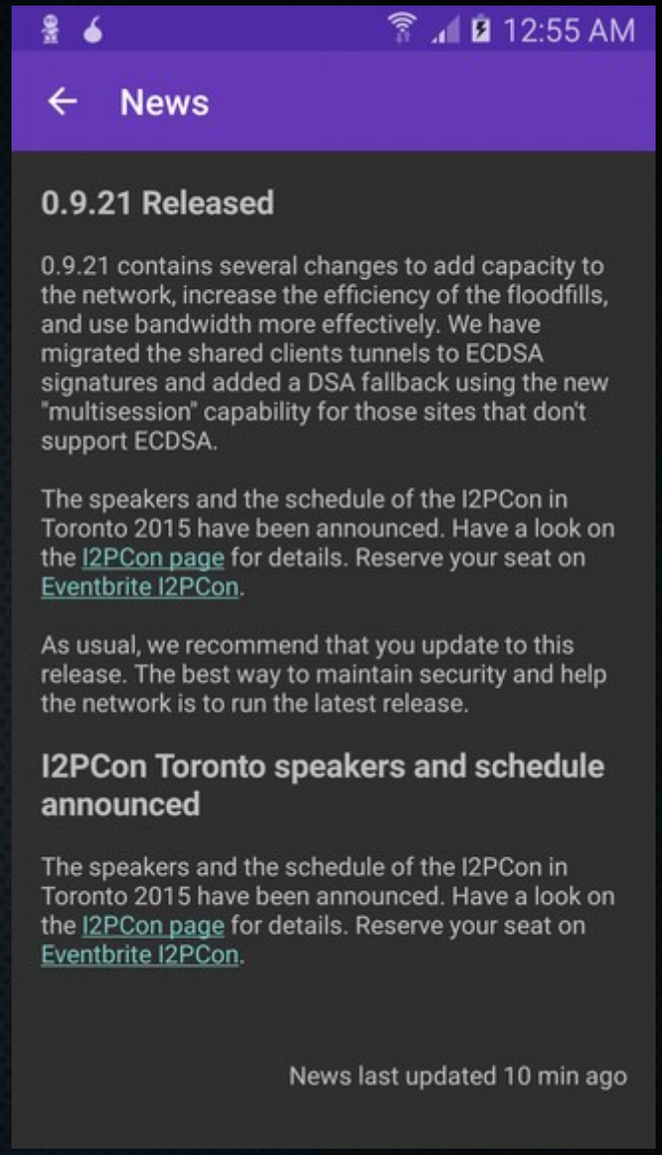

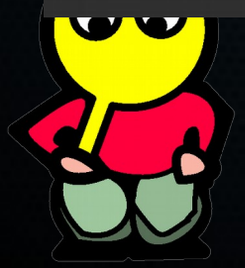

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I2P ROUTER CONSOLE

Version: 0.9.21-0
Uptime: days

I2P UPDATE

Network: OK

Restart | Shutdown

LOCAL TUNNELS

Shared Clients

7/31/15: 0.9.21 Released

0.9.21 contains several changes to add capacity to the network, increase the efficiency of the floodfills, and use bandwidth more effectively. We have migrated the shared clients tunnels to ECDSA signatures and added a DSA fallback using the new "multisession" capability for those sites that don't support ECDSA.

The speakers and the schedule of the I2PCon in Toronto 2015 have been announced. Have a look on the **I2PCon page** for details. Reserve your seat on **Eventbrite I2PCon**.

As usual, we recommend that you update to this release. The best way to maintain security and help the network is to run the latest release.

7/22/15: I2PCon Toronto Speakers And Schedule Announced

The speakers and the schedule of the I2PCon in Toronto 2015 have been announced. Have a look on the **I2PCon page** for details. Reserve your seat on **Eventbrite I2PCon**.

News last updated days ago. News last checked hours ago. **Hide news**

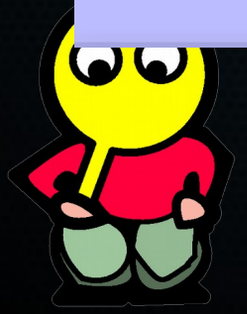
HIDDEN SERVICES OF INTEREST

anoncoin.i2p | anonymous git hosting | bug reports | dev forum | diftracker | echelon.i2p | faq | forum | free web hosting | hiddengate.i2p | ident microblog

javadocs | killyourtv.i2p | pastebin | planet i2p | plugins | postman's tracker | project website | sponge's main site | stats.i2p | technical docs | trac wiki

ugha's wiki

APPLICATIONS AND CONFIGURATION



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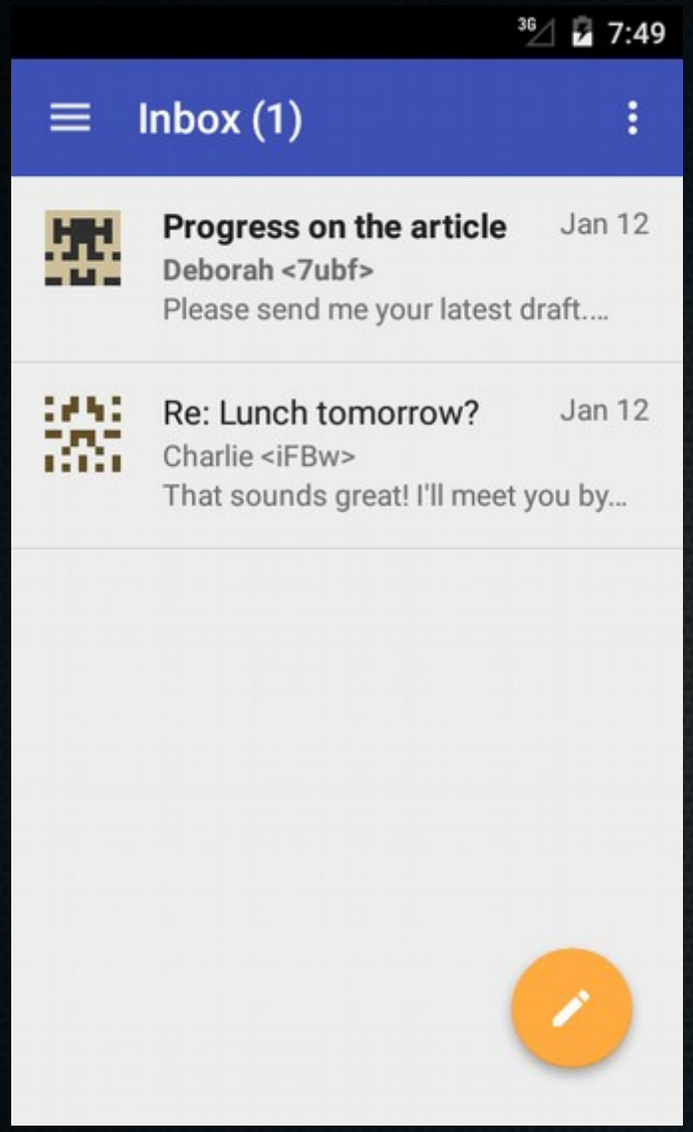

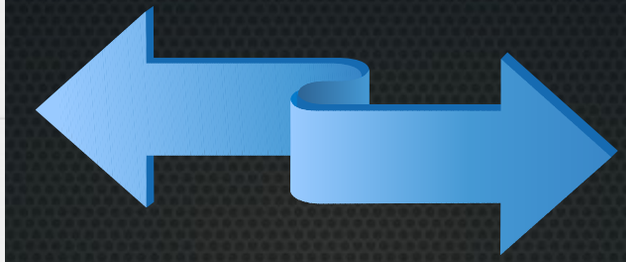

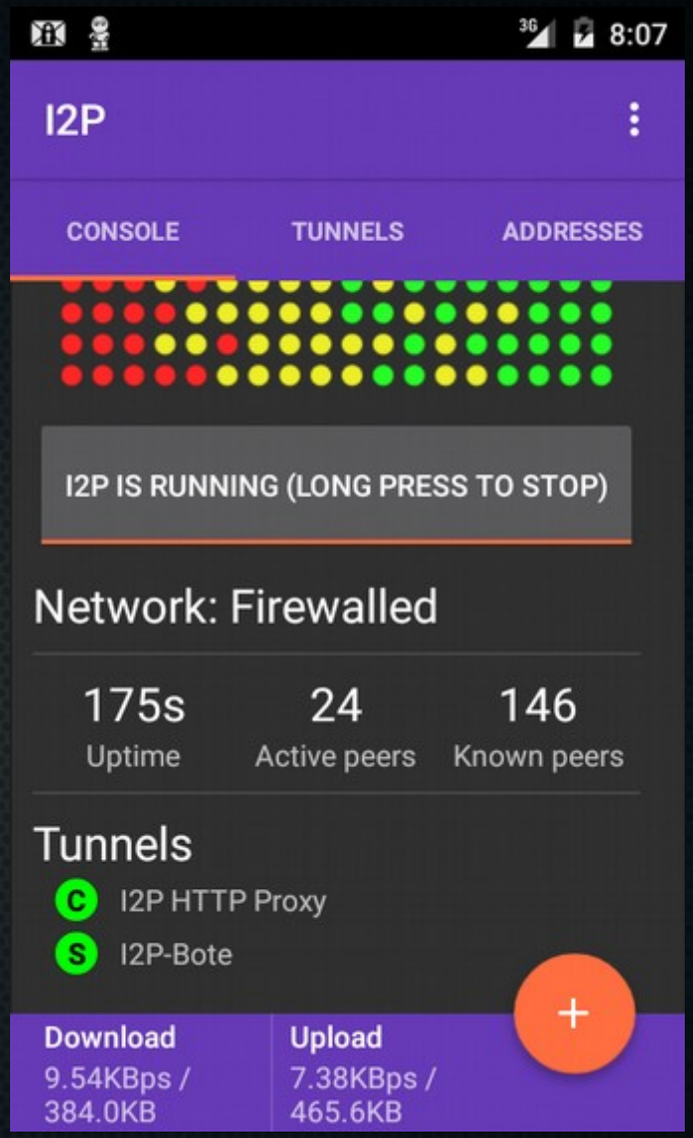

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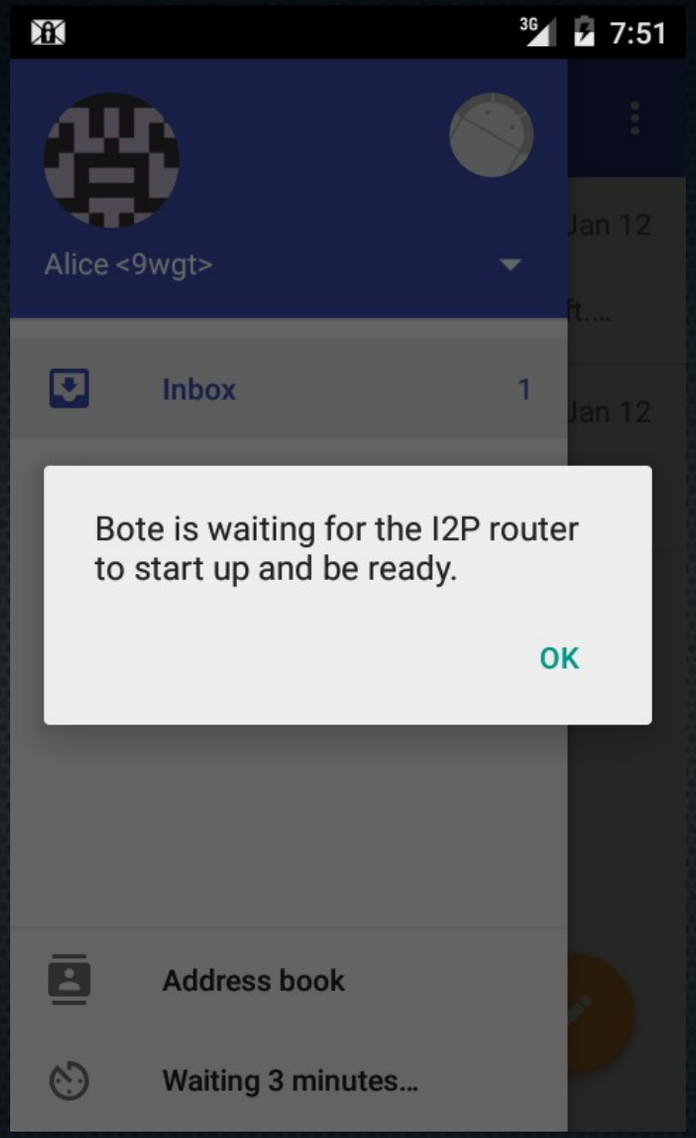

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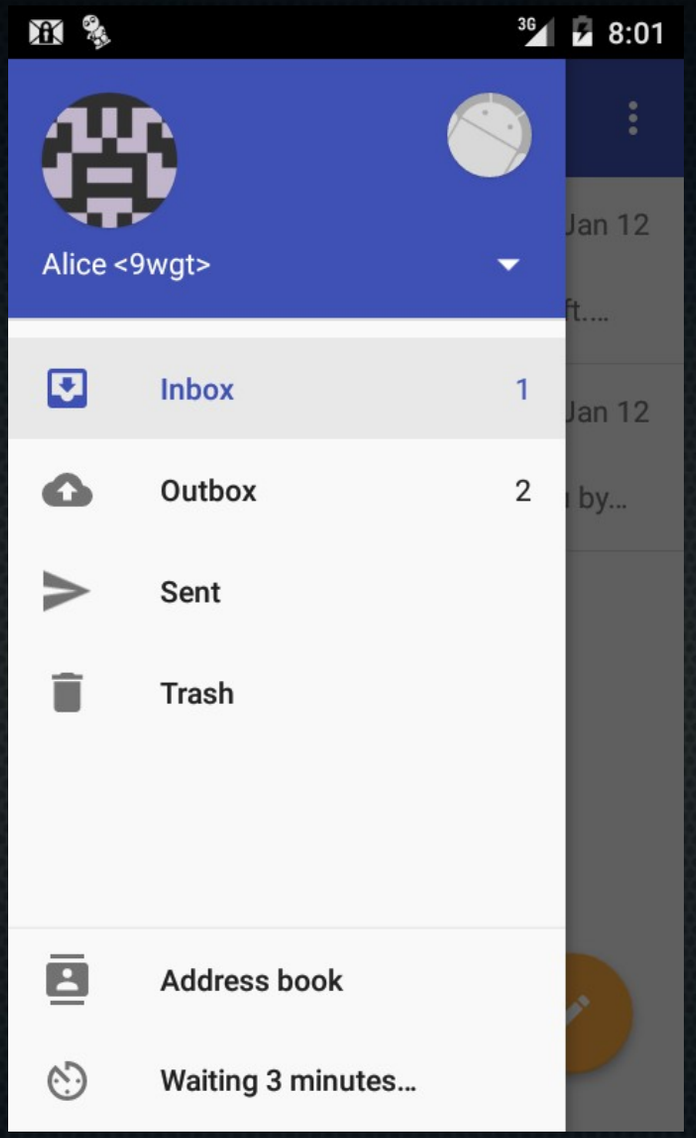

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Client library

- Makes app dev easy
  1) Add dependency
  2) Use I2P's Java API
- Bote is currently the only app using it (that I know of)
  - API hasn't had much feedback
- Router library is planned

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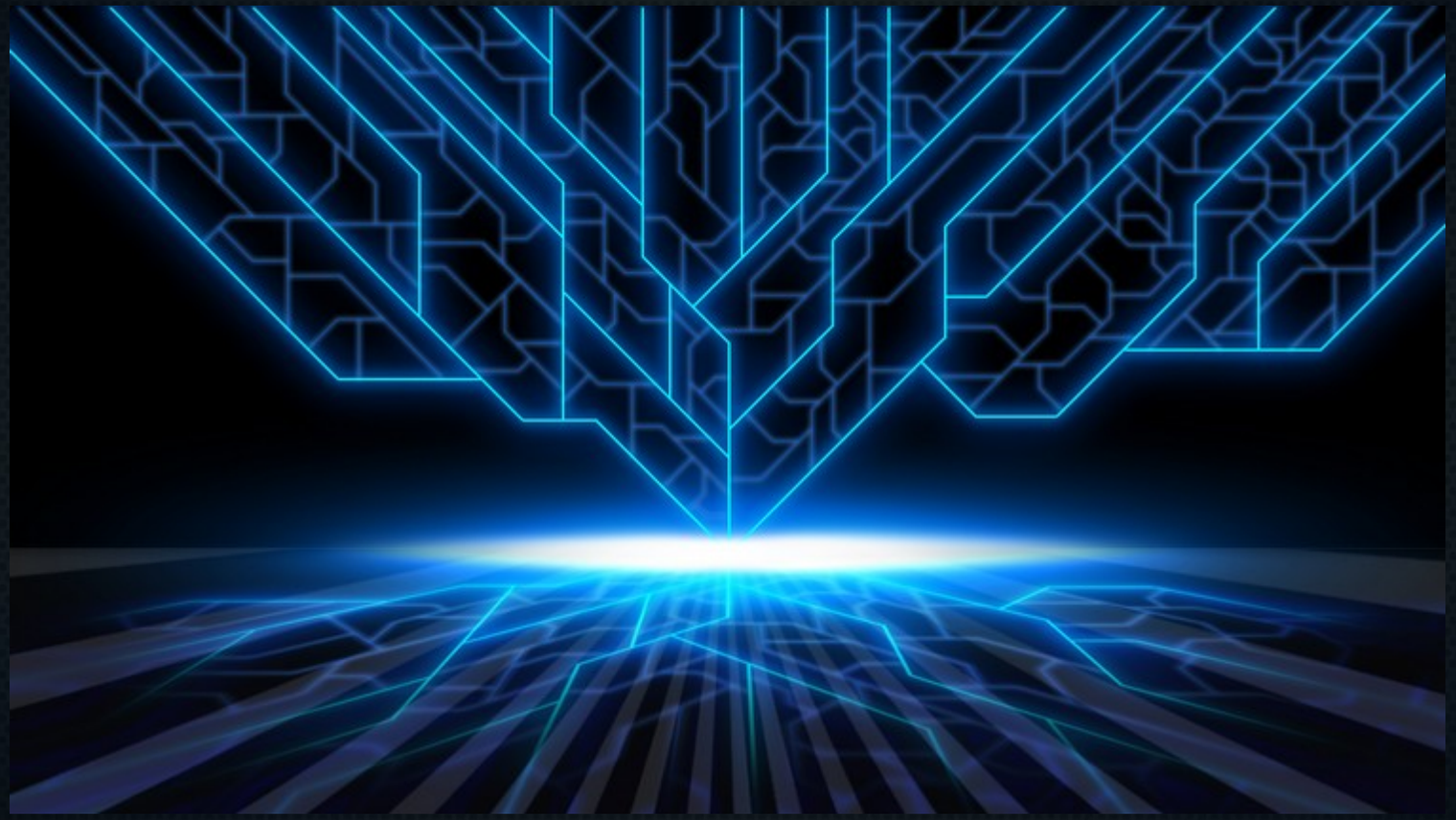
The Future



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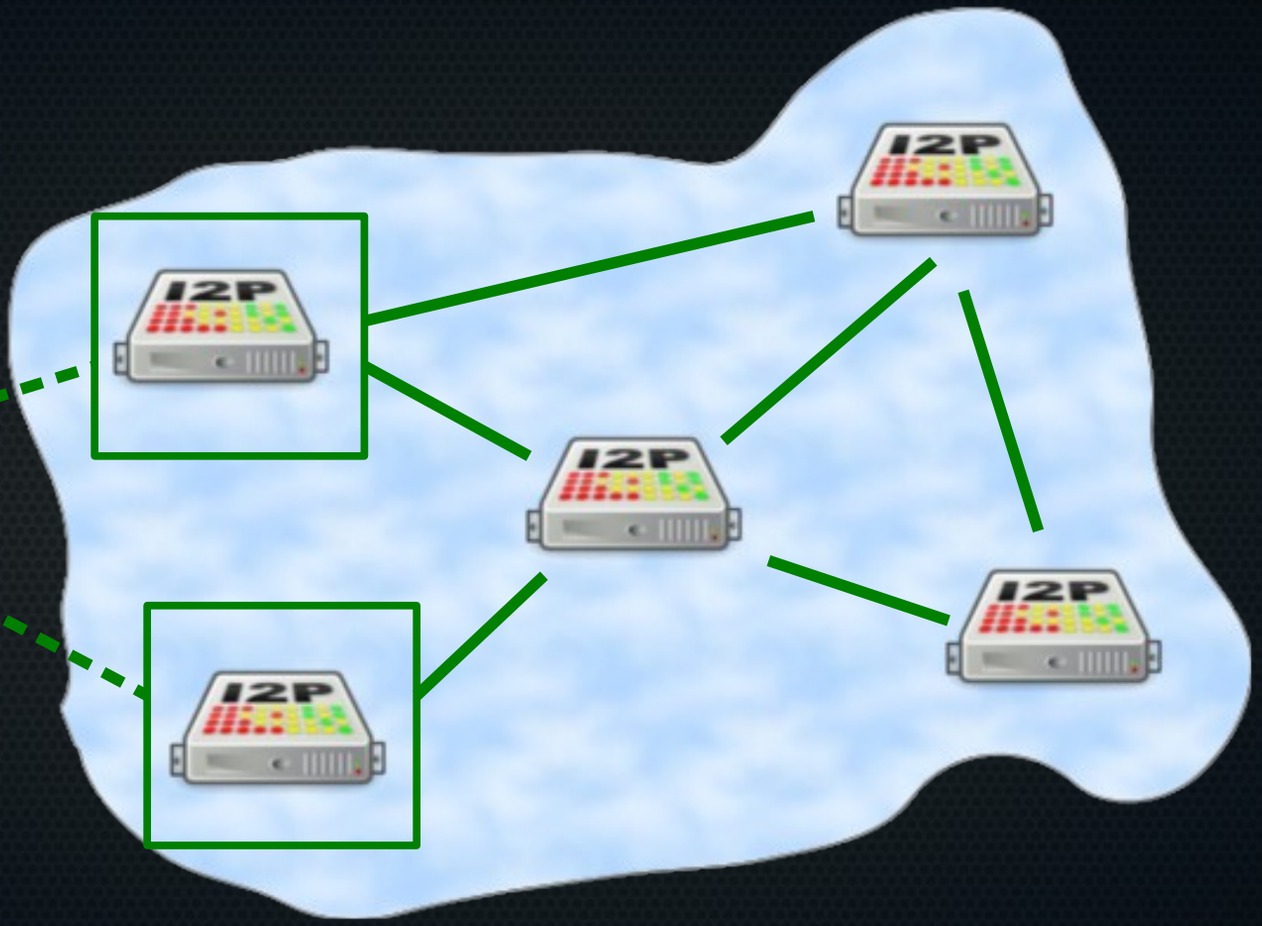
Remote router control



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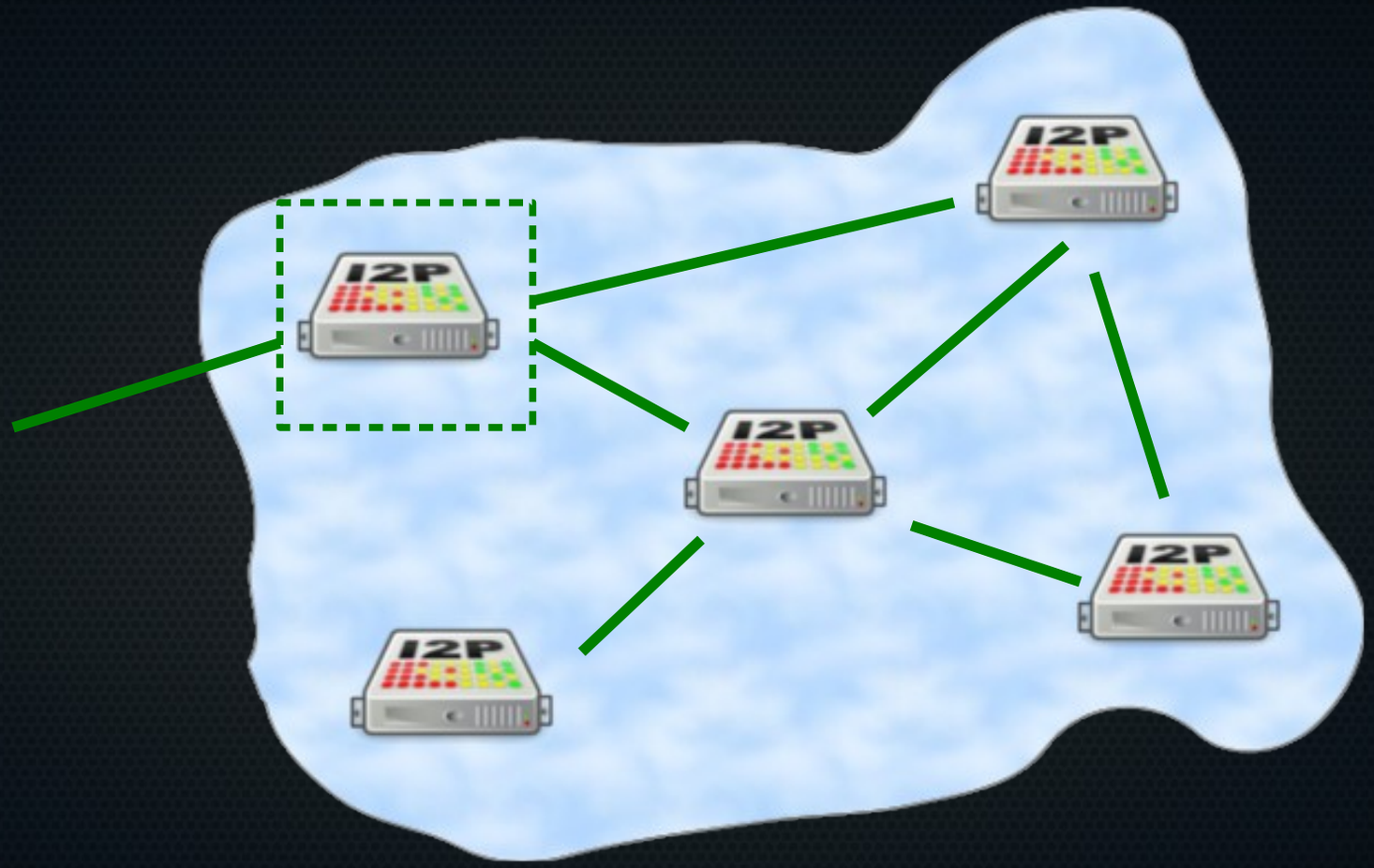
Restricted routes / client mode



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More apps!

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Thank you!

Q&A time