# Tails - Bug #7453

**Pidgin cannot find out the correct XMPP server to connect to, without SRV DNS lookups**

06/23/2014 09:13 AM - runa

<table>
<thead>
<tr>
<th>Status:</th>
<th>Confirmed</th>
</tr>
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<tbody>
<tr>
<td>Priority:</td>
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</tr>
<tr>
<td>Start date:</td>
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</tr>
<tr>
<td>Assignee:</td>
<td></td>
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<tr>
<td>Due date:</td>
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<tr>
<td>% Done:</td>
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<td>Estimated time:</td>
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</tr>
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<td>Target version:</td>
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<td>Spent time:</td>
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<td>Feature Branch:</td>
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<td>Starter:</td>
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</tr>
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<td>Affected tool:</td>
<td>Instant Messaging</td>
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**Description**

Google recently broke XMPP for many accounts. Without gtalk support in Pidgin, I am unable to connect to my Google account. Please (re-)add Pidgin support for gtalk.

**Related issues:**
- Related to Tails - Bug #8573: Hopefully replace Pidgin some day
- Blocked by Tails - Feature #6070: Support arbitrary DNS queries

**History**

**#1 - 06/23/2014 11:58 AM - intrigeri**

Hi Runa,

Please (re-)add Pidgin support for gtalk.

It might be worth testing if we have disabled it at build time:

```
sudo apt-get update && sudo apt-get --reinstall install libpurple0
```

Then, restart Pidgin, and try to add a gtalk account.

If this is not enough, do you know what Debian package we need to install to support gtalk in Pidgin?

Cheers!

**#2 - 06/23/2014 04:33 PM - runa**

Reinstalling libpurple0 gives me a version of Pidgin with more account options, but I am still unable to connect to my Google account. Earlier today,
DrWhax pasted the following line in #tails: "tails repo --> ./config/chroot_local-hooks/09-remove_unsupported_pidgin_libs", perhaps related to this?

#3 - 06/24/2014 08:10 AM - intrigeri

Reinstalling libpurple0 gives me a version of Pidgin with more account options, but I am still unable to connect to my Google account.

OK, so someone needs to find out what Pidgin plugin/extension/whatever supports gtalk, if any.

Earlier today, DrWhax pasted the following line in #tails [...]

Yeah, that's the script that removes support for most protocols, but reinstalling libpurple0 reverts it.

#4 - 06/29/2014 07:57 PM - runa

Without reinstalling libpurple0, here's how connect to a Google Talk account: choose either Google Talk or XMPP as the protocol and enter your username and password. Click the advanced tab and enter "talk.google.com" in the "Connect server" field. Hit save and enable the account.

Would it be possible to set the server name as a default value for Google Talk accounts?

#5 - 07/03/2014 09:34 PM - sajolida

- Tracker changed from Feature to Bug
- Subject changed from Add gtalk support in Pidgin to GTalk server in Pidgin is not set to talk.google.com by default
- Status changed from New to Confirmed

#6 - 07/04/2014 07:25 AM - intrigeri

Is there a way, in XMPP-speak, to have the "login domain => server to connect to" mapping automatically guessed? I suspect this info is available in the DNS (e.g. SRV or TXT), and then this would be solved if we had Pidgin use a resolver that supported more than A records.

#7 - 08/12/2014 01:55 PM - intrigeri

- Category set to 213

#8 - 01/07/2015 03:04 PM - intrigeri

- Subject changed from GTalk server in Pidgin is not set to talk.google.com by default to Pidgin cannot find out the correct XMPP server to connect to,
Indeed, the preferred way to get the connect server is a SRV DNS lookup. E.g.:

```bash
$ dig @127.0.0.2 _xmpp-client._tcp.google.com srv
```

```
; <<>> DiG 9.8.4-rpz2+r1005.12-P1 <<>> @127.0.0.2 _xmpp-client._tcp.google.com srv
; (1 server found)
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 8302
;; flags: qr rd ra; QUERY: 1, ANSWER: 5, AUTHORITY: 0, ADDITIONAL: 0

;; QUESTION SECTION:
;xmpp-client._tcp.google.com. IN  SRV

;; ANSWER SECTION:
;xmpp-client._tcp.google.com. 900  IN  SRV  5 0 5222 xmpp.1.google.com.
;xmpp-client._tcp.google.com. 900  IN  SRV  20 0 5222 alt4.xmpp.1.google.com.
;xmpp-client._tcp.google.com. 900  IN  SRV  20 0 5222 alt2.xmpp.1.google.com.
;xmpp-client._tcp.google.com. 900  IN  SRV  20 0 5222 alt1.xmpp.1.google.com.
;xmpp-client._tcp.google.com. 900  IN  SRV  20 0 5222 alt3.xmpp.1.google.com
```

So indeed, to get this automatically working, we'll need to point Pidgin at a DNS resolver that supports SRV requests.