Fix secure Icedove autoconfig wizard in Tails

07/18/2013 12:01 PM - Tails

Status: Resolved
Priority: Normal
Assignee: 
Category: 
Target version: Tails_2.4
Feature Branch: feature/6154-secure-autoconfig-in-icedove
Type of work: Code
Blueprint: 
Affected tool: Email Client

Description
Research why the account creation wizard fails on our custom packages built with this patchset (in feature/icedove), in Tails. Lack of MX query support, perhaps? Keeping in mind that the idea of securing that wizard is to stop trusting DNS, if #6070 is needed to fix this problem, then it's part of this deliverable.

Related issues:
Related to Tails - Feature #6070: Support arbitrary DNS queries
Confirmed
Related to Tails - Feature #6369: Build Debian packages of Icedove 38 with ou...
Resolved 10/16/2013

Associated revisions
Revision 27467b06 - 03/09/2016 03:25 AM - anonym
Enable the feature-6154-secure-autoconfig-in-icedove APT overlay.
Which contains icedove packages built with our patches for securing the automatic account configuration wizard.
Will-fix: #6158

Revision 4fb93234 - 03/09/2016 03:26 AM - anonym
Enable Icedove's automatic configuration wizard.
TorBirdy disables it due to both its use of insecure protocols for various lookups, and that it can result in unsafe configurations. However, with our patches applied, it can be configured to only use secure protocols, so the wizard is safe again.
Will-fix: #6158

Revision 7976c458 - 03/09/2016 03:26 AM - anonym
Configure the automatic configuration wizard to only use secure protocols.
History

#1 - 07/19/2013 02:43 AM - intrigeri
  - Priority changed from Normal to High

#2 - 06/20/2014 01:22 PM - BitingBird
  - Subject changed from fix secure Icedove autoconfig wizard in Tails to Fix secure Icedove autoconfig wizard in Tails
  - Starter set to No

#3 - 07/10/2014 08:23 PM - sajolida
  - Priority changed from High to Normal

#4 - 08/11/2014 12:58 PM - intrigeri
  This might be a duplicate of #6157, actually.

#5 - 08/12/2014 01:44 PM - intrigeri
  - Category set to 212

#6 - 01/04/2015 02:53 AM - BitingBird
  - Related to Feature #6157: Fix re-test in secure Icedove autoconfig wizard added

#7 - 01/04/2015 12:46 PM - intrigeri
  - Related to deleted (Feature #6157: Fix re-test in secure Icedove autoconfig wizard)

#8 - 05/29/2015 12:32 PM - intrigeri
  - Assignee set to kytv
  - Target version set to 246

#10 - 05/29/2015 12:42 PM - intrigeri
  - Description updated

#11 - 11/27/2015 04:45 AM - sajolida
  - Target version changed from 246 to Tails_2.0

#12 - 12/22/2015 06:57 AM - Anonymous
  - Target version changed from Tails_2.0 to Tails_2.2

#13 - 12/22/2015 07:06 AM - Anonymous
  - Target version changed from Tails_2.2 to Tails_2.0

This should actually be done for the release of 2.0 (without the need to be merged into 2.0) so that we can have a working PoC for 2.2.

#14 - 12/22/2015 09:31 AM - intrigeri

  This should actually be done for the release of 2.0 (without the need to be merged into 2.0) so that we can have a working PoC for 2.2.

I guess you meant "so that we can have a working PoC for 2.0", since the goal is to have something good enough to ship in 2.2, while the PoC should be done during the 2.0 cycle.
#15 - 12/25/2015 08:38 AM - kytv
Are packages (or git repositories) with the Secure Autoconfig Wizard available? As I see it (perhaps wrongly) that there's nothing for me to fix until vendor.name being set to Tails gives us the Secure Wizard.

I don't think I can do anything with this until that time...or am I sadly mistaken?

#16 - 12/30/2015 04:38 AM - Anonymous
The patchset is now in icedove:secure_account_creation-38.0_b2-1. However, keep in mind that these are the patches applied directly to the upstream source. So if you make any modification, please tell me about it, so that I can apply this to the debian/patches I am currently working on.

#17 - 12/30/2015 04:39 AM - Anonymous
- Related to Feature #6369: Build Debian packages of Icedove 38 with our patches / create proper branch situation added

#18 - 01/06/2016 02:29 PM - kytv
- Target version changed from Tails_2.0 to Tails_2.2

#19 - 01/06/2016 04:20 PM - intrigeri
- Target version changed from Tails_2.2 to Tails_2.0

Same here, I think I've mislead you somewhat early today, when I asked you to update your Icedove tickets. Sorry about that!

According to the timeline proposed on https://mailman.boum.org/pipermail/tails-icedove/2015-December/000108.html, we want a working PoC of the wizard ready during the 2.0 release cycle, so I think this ticket needs to stay on the 2.0 board for now.

Another option, which is rather what I was implicitly suggesting, would be to make it explicit (by creating new tickets) that the PoC is for 2.0, and that the goal is to have it merged for 2.2.

#20 - 02/05/2016 04:46 PM - Anonymous
- Target version changed from Tails_2.0 to Tails_2.2

#21 - 02/24/2016 11:23 AM - Anonymous
- Target version changed from Tails_2.2 to Tails_2.3

#22 - 03/09/2016 03:33 AM - anonym
- Status changed from Confirmed to In Progress
- Assignee changed from kytv to anonym
- % Done changed from 0 to 30
- Feature Branch set to feature/6154-secure-autoconfig-in-icedove

I've built packages with the patches applied and done some minimal integration work (mostly fighting with the strange way TorBirdy reads "seeded" prefs) and it actually seems to work. Out of the four methods we allow, I've verified that fetching the config from disk and guessing works. In the Onion Circuits view I could see that the other two methods (fetch from the service provider, and Mozilla's database) were tried, so I guess they work as well.

#23 - 03/09/2016 03:40 AM - anonym
- Type of work changed from Research to Code
Tails wrote:

research why the account creation wizard fails on our custom packages built with this patchset (in feature/icedove), in Tails. Lack of MX query support, perhaps? Keeping in mind that the idea of securing that wizard is to stop trusting DNS, if #6070 is needed to fix this problem, then it's part of this deliverable.

It's unclear to me which parts of the automatic configuration the above refers to, but let's look at the different cases:

- If it was only the guessing-part, then it is fixed since we added the patch that enables SOCKS support for it.
- If it also referred to the service provider and Mozilla database lookups, then I have no clue, but they seemingly work now (see previous comment).
- Regarding MX queries, our patches disables that.

I believe this concludes the research part of this, so => Code.

#24 - 04/20/2016 10:56 AM - anonym
- Target version changed from Tails_2.3 to Tails_2.4

#25 - 05/24/2016 08:13 PM - anonym
- Status changed from In Progress to Resolved
- Assignee deleted (anonym)
- % Done changed from 30 to 100