

## Crash on malformed server response with minimal capabilities

 $evolution\ can\ crash\ with\ a\ null\ pointer\ access\ if\ it\ gets\ some\ malformed\ responses\ from\ the\ server.\ This\ requires\ a\ configuration\ with\ STARTTLS.$ 

Here's a minimized example of a crashing imap session:

```
* OK x
A00000 CKPABILITY
A00000 OK [x]
A00001 STARTILS
A00001 OK x
```

First, third and fifth line come from the server, this can be simulated with netcat (nc 1-p 143, setting imap server to localhost), only thing that needs to happen dynamically is that the A00000-prefix isn't static, this can be something else from the client.

This leads to a crash in imapx\_free\_capability, caused by this code in imapx\_connect\_to\_server

```
/* See if we got new capabilities
 * in the STARTILS response. */
imapx_free_capability (is->priv->cinfo);
```

I believe what happens here is that cinfo isn't filled in some situations and the code expects it to be filled and wants to free it after initializing a STARTTLS

Here's a crash report from asan:



