Foreman - Bug #14340

Icons loading causes intermittent issues in integration tests (especially under heavier load of the test machine)

03/24/2016 05:11 AM - Ivan Necas

Status:	Closed		
Priority:	Normal		
Assignee:	Ivan Necas		
Category:	Tests		
Target version:	1.12.0		
Difficulty:		**Fixed in Releases:**	
Triaged:		**Found in Releases:**	
Bugzilla link:		**Red Hat JIRA:**	
Pull request:	https://github.com/theforeman/foreman/pull/3364		

Description

While debugging #13293, I've noticed, that it can take a while to load icons, when the machine is under load. This can potentially lead to layout change (see the screenshots), that leads https://github.com/teampoltergeist/poltergeist#mouseeventfailed-errors.

Debugging notes:

The issue is pretty hard to debug. Here are some hints to get some additional tricks that can help to detect the issue:

I've used this snippet so see and compare how the page looks right before the click event should happen

```
20.times do
  visit edit_host_path(host)
  assert page.has_link?('Parameters', :href => '#params')
  click_link 'Parameters'
  save_screenshot
end
```

Another good thing was looking into output of the `click` method (it returns the coordinates that were clicked). Tracking that for a while showed this:

```
2016-03-23T19:14:37 [app] [D] ====== click: {"position"=>{"x"=>851, "y"=>385}}
2016-03-23T19:15:20 [app] [D] ====== click: {"position"=>{"x"=>851, "y"=>385}}
2016-03-23T19:15:48 [app] [D] ====== click: {"position"=>{"x"=>851, "y"=>365}}
```

The coordinates of the event when the failure happened were different to the usual values, which was a good indication that something is wrong with the layout.

Also, running it inside VM with 2GB of RAM and running 2 more tests suites in parallel to simulate the load in Jenkins helped to reproduce the issue.

Related issues:

Related to Foreman - Bug #13293: Intermittent host#edit parameter integration...		**Resolved**	**01/20/2016**

Associated revisions

Revision f69b2276 - 03/24/2016 10:22 AM - Ivan Necas

Fixes #14340 - specify the default icon sizes to prevent intermittent layout changes

History

#1 - 03/24/2016 05:12 AM - Ivan Necas

- Related to Bug #13293: Intermittent host#edit parameter integration test failures after timeout added

#2 - 03/24/2016 05:13 AM - Marek Hulán

- Category set to Tests

#3 - 03/24/2016 05:17 AM - Ivan Necas

- File without-icons.png added

- File with-icons.png added

#4 - 03/24/2016 05:18 AM - Ivan Necas

- Status changed from New to Assigned

#5 - 03/24/2016 05:23 AM - The Foreman Bot

- Status changed from Assigned to Ready For Testing

- Pull request https://github.com/theforeman/foreman/pull/3364 added

#6 - 03/24/2016 05:32 AM - Ivan Necas

- Description updated

#7 - 03/24/2016 11:02 AM - Ivan Necas

- Status changed from Ready For Testing to Closed

- % Done changed from 0 to 100

Applied in changeset [f69b227658bb395ee56e5e6869f94c7ad621e453](f69b227658bb395ee56e5e6869f94c7ad621e453).

#8 - 03/29/2016 04:09 AM - Dominic Cleal

- translation missing: en.field_release set to 136

Files

without-icons.png	42.8 KB	03/24/2016	Ivan Necas
with-icons.png	44.6 KB	03/24/2016	Ivan Necas