

Smart Proxy - Bug #10581

UTF8 encoding error on realm update with freeipa

05/21/2015 02:24 PM - Stephen Benjamin

Status: Closed	
Priority: Normal	
Assignee: Ivan Necas	
Category: Realm	
Target version:	
Difficulty:	Fixed in Releases:
Triaged:	Found in Releases:
Bugzilla link: 1281687	Red Hat JIRA:
Pull request: https://github.com/foreman-smart-proxy/pull/452	
Description	
E, [2015-05-21T14:11:32.388938 #15389] ERROR -- : "\x82" from ASCII-8BIT to UTF-8	
TommyTheKid ran into it when updating a host's hostgroup, not sure what the underlying problem is. net-ldap had a similar issue before, so maybe we need to check the conversion for the data we send to FreeIPA's XMLRPC API.	
Related issues:	
Related to Foreman Remote Execution - Bug #12456: Handling non-utf characters...	Closed 11/12/2015

Associated revisions

Revision e7c224d9 - 08/15/2016 05:08 AM - Ivan Necas

Fixes #10581 - ensure string from IPA XML-RPM is marked as UTF8

Otherwise, Ruby considers them being ASCII-8BIT, which leads to ugly errors when trying to convert to UTF8.

History

#1 - 05/22/2015 03:23 AM - Dominic Cleal

- Project changed from Foreman to Smart Proxy

- Category changed from Realm to Realm

Tentatively moving, think that's a smart proxy log file.

#2 - 05/22/2015 04:39 AM - Stephen Benjamin

Oops, it is, you're right.

#3 - 05/22/2015 11:23 AM - Tommy McNeely

Correct. The error log pasted above is from the smart proxy. The foreman log just indicates the 400 error from the smart proxy. Here it is in "Debug" mode (probably a lot more useful)

```
104.236.26.171 -- [22/May/2015 11:06:05] "POST /realm/IPA.LARK-IT.COM/ HTTP/1.1" 200 481 2.2598
D, [2015-05-22T11:19:31.671434 #16599] DEBUG -- : verifying remote client 104.236.26.171 against trusted_hosts
["lark-foreman-01.lark-it.com"]
I, [2015-05-22T11:19:31.673762 #16599] INFO -- : freeipa: realm keytab is '/etc/foreman-proxy/freeipa.keytab'
and using principal 'realm-proxy@IPA.LARK-IT.COM'
I, [2015-05-22T11:19:31.674824 #16599] INFO -- : freeipa: realm IPA.LARK-IT.COM
I, [2015-05-22T11:19:31.675127 #16599] INFO -- : freeipa: server is https://lark-ipa-3.lark-it.com/ipa/xml
I, [2015-05-22T11:19:31.676674 #16599] INFO -- : Requesting credentials for Kerberos principal realm-proxy@IP
A.LARK-IT.COM using keytab /etc/foreman-proxy/freeipa.keytab
D, [2015-05-22T11:19:31.711766 #16599] DEBUG -- : Kerberos credential cache initialised with principal: realm-
proxy@IPA.LARK-IT.COM
E, [2015-05-22T11:19:33.032725 #16599] ERROR -- : "\x82" from ASCII-8BIT to UTF-8
D, [2015-05-22T11:19:33.033390 #16599] DEBUG -- : /usr/share/gems/gems/json-1.7.7/lib/json/common.rb:286:in `e
ncode'
/usr/share/gems/gems/json-1.7.7/lib/json/common.rb:286:in `generate'
```

```
/usr/share/gems/gems/json-1.7.7/lib/json/common.rb:286:in `pretty_generate'  
/usr/share/foreman-proxy/modules/realms/freeipa.rb:110:in `create'  
/usr/share/foreman-proxy/modules/realms/realms_api.rb:28:in `block in <class:Api>'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:1293:in `call'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:1293:in `block in compile!'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:860:in `[]'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:860:in `block (3 levels) in route!'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:876:in `route_eval'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:860:in `block (2 levels) in route!'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:897:in `block in process_route'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:895:in `catch'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:895:in `process_route'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:859:in `block in route!'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:858:in `each'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:858:in `route!'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:963:in `block in dispatch!'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:946:in `block in invoke'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:946:in `catch'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:946:in `invoke'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:960:in `dispatch!'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:794:in `block in call!'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:946:in `block in invoke'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:946:in `catch'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:946:in `invoke'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:794:in `call!'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:780:in `call'  
/usr/share/gems/gems/rack-1.5.2/lib/rack/commonlogger.rb:33:in `call'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:161:in `call'  
/usr/share/foreman-proxy/lib/proxy/log.rb:35:in `call'  
/usr/share/gems/gems/rack-protection-1.3.2/lib/rack/protection/xss_header.rb:27:in `call'  
/usr/share/gems/gems/rack-protection-1.3.2/lib/rack/protection/path_traversal.rb:16:in `call'  
/usr/share/gems/gems/rack-protection-1.3.2/lib/rack/protection/json_csrf.rb:17:in `call'  
/usr/share/gems/gems/rack-protection-1.3.2/lib/rack/protection/base.rb:48:in `call'  
/usr/share/gems/gems/rack-protection-1.3.2/lib/rack/protection/base.rb:48:in `call'  
/usr/share/gems/gems/rack-protection-1.3.2/lib/rack/protection/xss_header.rb:27:in `call'  
/usr/share/gems/gems/rack-1.5.2/lib/rack/nulllogger.rb:9:in `call'  
/usr/share/gems/gems/rack-1.5.2/lib/rack/head.rb:11:in `call'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/showexceptions.rb:21:in `call'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:124:in `call'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:1417:in `block in call'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:1499:in `synchronize'  
/usr/share/gems/gems/sinatra-1.3.5/lib/sinatra/base.rb:1417:in `call'  
/usr/share/gems/gems/rack-1.5.2/lib/rack/builder.rb:138:in `call'  
/usr/share/gems/gems/rack-1.5.2/lib/rack/urlmap.rb:65:in `block in call'  
/usr/share/gems/gems/rack-1.5.2/lib/rack/urlmap.rb:50:in `each'  
/usr/share/gems/gems/rack-1.5.2/lib/rack/urlmap.rb:50:in `call'  
/usr/share/gems/gems/rack-1.5.2/lib/rack/builder.rb:138:in `call'  
/usr/share/gems/gems/rack-1.5.2/lib/rack/handler/webrick.rb:60:in `service'  
/usr/share/ruby/webrick/httpserver.rb:138:in `service'  
/usr/share/ruby/webrick/httpserver.rb:94:in `run'  
/usr/share/ruby/webrick/server.rb:295:in `block in start_thread'  
104.236.26.171 - - [22/May/2015 11:19:33] "POST /realm/IPA.LARK-IT.COM/ HTTP/1.1" 400 31 1.3654
```

#4 - 10/20/2015 03:35 AM - Adam Ruzicka

I've encountered the same error several times with puppet, the cause was my system's locale wasn't set properly and defaulted to something non-UTF8. Maybe changing the system-wide or smart-proxy user's locale to its UTF8 variant might help.

#5 - 10/20/2015 05:23 AM - Anonymous

Probably should document the locale/character encoding we expect.

#6 - 11/13/2015 11:22 AM - Bryan Kearney

- *Bugzilla link set to 1281687*

#7 - 07/24/2016 12:29 PM - Brad Buckingham

- *Related to Tracker #15825: Sprint 1 : Content-Focused added*

#8 - 07/24/2016 12:29 PM - Brad Buckingham

- *Related to deleted (Tracker #15825: Sprint 1 : Content-Focused)*

#9 - 07/24/2016 12:30 PM - Brad Buckingham

- Blocks Tracker #15825: Sprint 1 : Content-Focused added

#10 - 08/08/2016 10:04 AM - Brad Buckingham

- Blocks deleted (Tracker #15825: Sprint 1 : Content-Focused)

#11 - 08/08/2016 11:50 AM - Ivan Necas

- Related to Bug #12456: Handling non-utf characters ssh exceptions added

#12 - 08/08/2016 11:58 AM - Ivan Necas

We have seen similar issue in remote execution, the problem was we were not indicating properly that the external string was UTF8 (found this <https://www.ruby-forum.com/topic/463233> related to the XML-RPC).

The solution we could go with (and was what both and people in the tread did) was marking the string as UTF8 by ``force_encoding('ASCII-8BIT')``

The easiest way to simulate this is ``JSON.pretty_generate("žluťoučký".force_encoding('ASCII-8BIT'))``

#13 - 08/08/2016 12:10 PM - Ivan Necas

Also, I expect this issue is with ruby 1.9+, right?

#14 - 08/10/2016 06:21 AM - Ivan Necas

- Status changed from New to Assigned

- Assignee set to Ivan Necas

- Target version set to 1.7.0

#15 - 08/10/2016 06:42 AM - The Foreman Bot

- Status changed from Assigned to Ready For Testing

- Pull request <https://github.com/foreman/smart-proxy/pull/452> added

#16 - 08/15/2016 06:01 AM - Ivan Necas

- Status changed from Ready For Testing to Closed

- % Done changed from 0 to 100

Applied in changeset [e7c224d97b0948ddca296c5266b85222e8d9f192](https://github.com/foreman/smart-proxy/pull/452).

#17 - 08/15/2016 07:34 AM - Dominic Cleal

- translation missing: en.field_release set to 175

#18 - 07/10/2018 02:46 PM - Greg Sutcliffe

- Target version deleted (1.12.2)