Installer - Bug #34317

[Custom Certs] - Failed to install the custom certs on Katello 4.3, works on 4.1

01/26/2022 10:38 AM - Evgeni Golov

Status:	Closed		
Priority:	Normal		
Assignee:	Ewoud Kohl van Wijngaarden		
Category:	Foreman modules		
Target version:	3.1.1		
Difficulty:		**Fixed in Releases:**	3.1.1, 3.2.0
Triaged:	Yes	**Found in Releases:**	3.1.0
Bugzilla link:	2036054	**Red Hat JIRA:**	
Pull request:	https://github.com/theforeman/puppet-foreman/pull/1022		

Description

Cloned from https://bugzilla.redhat.com/show_bug.cgi?id=2036054

Description of problem:
[Custom Certs] - Failed to install the custom certs on the Satellite 7.0.0 works fine in 6.10

Version-Release number of selected component (if applicable):
fails on Satellite 7.0.0
Passes on Satellite 6.10

How reproducible:
Always

Steps to Reproduce:
1. Generate the CA certs bundle and install it as follows

[root@dhcp-3-215 ~]# satellite-installer --scenario satellite \

    --certs-server-cert "/root/satellite.redhat.com/satellite.redhat.com.crt" \
    --certs-server-key "/root/satellite.redhat.com/satellite.redhat.com.key" \
    --certs-server-ca-cert "/root/cacert.crt" \
    --certs-update-server --certs-update-server-ca

Actual results:
Satellite Installer is not installing the custom certs in Satellite.

Expected results:
Satellite Installer should install the custom certs on the Satellite.

Additional info:

Associated revisions

Revision 4648167d - 01/26/2022 12:07 PM - Ewoud Kohl van Wijngaarden

Fixes #34317 - Use the correct certificate to register

The server SSL CA is used to authenticate client certificates. The chain
is actually the one that has signed the public key of the certificate.

History

#1 - 01/26/2022 10:49 AM - Evgeni Golov

- Subject changed from [Custom Certs] - Failed to install the custom certs on Katello 4.3, works on 4.1
 to [Custom Certs] - Failed to install the custom certs on Katello 4.3, works on 4.1

- Found in Releases 3.1.0 added

The problem is that puppet-certs dropped the "trusted_ca" use in the following commit:

```
commit 953261ffd2eb52b7176ab365fb0c4e9245435d99
Author: Eric D. Helms <ericdhelms@gmail.com>
Date:   Thu Jul 2 15:16:29 2020 -0400

    Refs #30316: Drop bootstrap RPM code
```

And moved it to puppet-foreman_proxy_content:

```
commit 7bf101dc5507c90936b9e6169b91848ef106fe0f
Author: Eric D. Helms <ericdhelms@gmail.com>
Date:   Thu Jul 2 14:09:33 2020 -0400

    Fixes #30316: Move bootstrap RPM generation from puppet-certs
```

but due to ordering, the fpc code is not executed **before** Foreman::Register/Foreman_host is called, so at that point the CA is still untrusted and everything fails.

Re-running the installer works, as now the CA is trusted.

#2 - 01/26/2022 11:12 AM - Ewoud Kohl van Wijngaarden

- *Category set to Foreman modules*

- *Target version set to 3.1.1*

I think the problem is that it's using the wrong file:
https://github.com/theforeman/puppet-foreman/blob/589abb8d88b2460acecc6b4b6d05b2e0f9258f92/manifests/register.pp#L13
That should be using the chain, not the CA.

https://stackoverflow.com/questions/1899983/difference-between-sslcacertificatefile-and-sslcertificatechainfile#5543737

SSLCertificateChainFile is what signed the public key, SSLCACertificateFile is the one that allows client certs.

#3 - 01/26/2022 11:13 AM - Ewoud Kohl van Wijngaarden

- *Assignee deleted (Eric Helms)*

#4 - 01/26/2022 11:14 AM - The Foreman Bot

- *Status changed from New to Ready For Testing*

- *Assignee set to Ewoud Kohl van Wijngaarden*

- *Pull request https://github.com/theforeman/puppet-foreman/pull/1022 added*

#5 - 01/26/2022 12:30 PM - Ewoud Kohl van Wijngaarden

- *Status changed from Ready For Testing to Closed*

Applied in changeset puppet-foreman|4648167da572951f81db118c57ea8cf30fffcd3f.

#6 - 01/26/2022 01:04 PM - Ewoud Kohl van Wijngaarden

- *Triaged changed from No to Yes*

- *Fixed in Releases 3.1.1, 3.2.0 added*