Foreman - Feature #27604

Support RedHat CoreOS and Fedora CoreOS as operating systems

08/13/2019 11:27 AM - felix sperling

Status:	Closed		
Priority:	Normal		
Assignee:	Lukas Zapletal		
Category:	Unattended installations		
Target version:			
Difficulty:	easy	**Fixed in Releases:**	3.0.0
Triaged:	No	**Found in Releases:**	
Bugzilla link:		**Red Hat JIRA:**	
Pull request:	https://github.com/theforeman/foreman/pull/8042		

Description

Hello,

in order to be able to install RedHat Coreos via PXE it is required to add RedHat Coreos as a new operating system because the filenames on the Red Hat mirror don't fit to any existing naming conventions.

For example:
rhcos-4.1.0-x86_64-installer-initramfs.img
rhcos-4.1.0-x86_64-installer-kernel
http://mirror.openshift.com/pub/openshift-v4/dependencies/rhcos/4.1/4.1.0/

A simple example for the code would be:

app/models/operatingsystems/rhcos.rb

```
class Rhcos < Operatingsystem
  PXEFILES = {:kernel => 'rhcos-4.1.0-x86_64-installer-kernel', :initrd =>
'rhcos-4.1.0-x86_64-installer-initramfs.img'}

  def pxe_type
    'coreos'
  end

  def mediumpath(medium_provider)
    ''
  end

  def pxedir
    ''
  end

  def display_family
    'Rhcos'
  end

end
```

app/models/operatingsystems/operatingsystem.rb

```
  FAMILIES = { 'Debian'    => %r{Debian|Ubuntu}i,
               'Redhat'    => %r{RedHat|Centos|Fedora|Scientific|SLC|OracleLinux}i,
               'Suse'      => %r{OpenSuSE|SLES|SLED}i,
               'Windows'   => %r{Windows}i,
               'Altlinux'  => %r{Altlinux}i,
```

```
             'Archlinux' => %r{Archlinux}i,
             'Coreos'    => %r{CoreOS}i,
             'Rhcos'     => %r{Rhcos}i,
             'Gentoo'    => %r{Gentoo}i,
             'Solaris'   => %r{Solaris}i,
             'Freebsd'   => %r{FreeBSD}i,
             'AIX'       => %r{AIX}i,
             'Junos'     => %r{Junos}i,
             'NXOS'      => %r{NX-OS}i,
             'Xenserver' => %r{XenServer}i }
```

Related issues:		
Related to Foreman - Feature #29224: CoreOS unattended provisioning	**New**	
Related to Foreman - Feature #7652: Support CoreOS	**Closed**	**09/26/2014**
Related to Foreman - Feature #31027: Add ct/fcct transpiler macro support	**Closed**	
Related to Foreman - Bug #32643: Rationalize FCOS/Flatcar/RHCoreOS operating ...	**New**	
Related to Foreman - Feature #32716: Missing tasks to allow Openshift provisi...	**New**	

Associated revisions

Revision 055489b7 - 05/20/2021 06:29 PM - Lukas Zapletal

Fixes #27604 - added Fedora|Redhat CoreOS and IM

History

#1 - 09/10/2019 01:55 PM - yifat makias

- Status changed from New to Assigned

- Assignee set to yifat makias

#2 - 11/05/2019 12:52 PM - yifat makias

- Status changed from Assigned to New

- Assignee deleted (yifat makias)

#3 - 02/28/2020 12:09 PM - Lukas Zapletal

- Related to Feature #29224: CoreOS unattended provisioning added

#4 - 10/01/2020 01:31 PM - Lukas Zapletal

For the record, Foreman Omaha plugin provies CoreOS/Flatcar provisioning capabilities:

https://github.com/theforeman/foreman_omaha

#5 - 10/01/2020 01:39 PM - Lukas Zapletal

- Related to Feature #7652: Support CoreOS added

#6 - 10/02/2020 11:46 AM - The Foreman Bot

- Status changed from New to Ready For Testing

- Assignee set to Lukas Zapletal

- Pull request https://github.com/theforeman/foreman/pull/8042 added

#7 - 10/08/2020 01:13 PM - Lukas Zapletal

- Related to Feature #31027: Add ct/fcct transpiler macro support added

#8 - 05/20/2021 06:19 PM - Ondřej Ezr

- Subject changed from Support RedHat Coreos as operating system in Foreman to Support RedHat CoreOS and Fedora CoreOS as operating systems

#9 - 05/20/2021 06:21 PM - Ondřej Ezr

- Tracker changed from Bug to Feature

- Category set to Unattended installations

#10 - 05/20/2021 06:24 PM - Ondřej Ezr

- Related to Bug #32643: Rationalize FCOS/Flatcar/RHCoreOS operating system icons added

#11 - 05/20/2021 06:29 PM - The Foreman Bot

- Fixed in Releases 3.0.0 added

#12 - 05/20/2021 07:01 PM - Lukas Zapletal

- Status changed from Ready For Testing to Closed 3/3

Applied in changeset [foreman|055489b7d4ad70f753c677e3065c9fc22d56f13e](#).

#13 - 06/03/2021 04:40 PM - Lukas Zapletal

- Related to Feature #32716: Missing tasks to allow Openshift provisioning added