Foreman - Bug #32004

Use-ntp parameter does not work when provisioning RHEL 7 or CentOS 7

03/03/2021 02:03 PM - Oleh Fedorenko

Status:	Closed		
Priority:	Normal		
Assignee:	Oleh Fedorenko		
Category:	Templates		
Target version:			
Difficulty:		**Fixed in Releases:**	2.5.0
Triaged:	No	**Found in Releases:**	
Bugzilla link:	1932369	**Red Hat JIRA:**	
Pull request:	https://github.com/theforeman/foreman/pull/8365		

Description

Cloned from https://bugzilla.redhat.com/show_bug.cgi?id=1932369

Description of problem:
The 'Kickstart default' and 'ntp' templates accept the 'use-ntp' parameter to support the ability to disable NTP and use CHRONY.

However, the code in both templates is broken. Both templates have this line:
use_ntp = host_param_true?('use-ntp') || (is_fedora && os_major < 16) || (rhel_compatible && os_major <= 7)

However, setting use-ntp=false will never work "because of the default os check. os_major is <=7 which will always match for centos 7/rhel 7", which has been previously identified in the Foreman forum (ref. https://community.theforeman.org/t/use-ntp-parameter-does-not-work-when-provisioning-centos7/15763) and issue tracker (ref. https://projects.theforeman.org/issues/28077).
The suggested fix at the time was not accepted.

Version-Release number of selected component (if applicable):

How reproducible:

Steps to Reproduce:
1. Set the host (group) or global boolean parameter use-ntp to false.
2. Open the 'Kickstart default' provisioning template and select Preview.
3. Review %package and %post section relating to ntp.

Actual results:
The ntp package is installed and configured. chrony is not installed.

Expected results:
chrony is used instead of ntp when use-ntp=false

Additional info:

The following working patch for the 'use_ntp = ...' line is:

if host_param_true?('use-ntp') || host_param_false?('use-ntp')
use_ntp = host_param('use-ntp')
else
use_ntp = (is_fedora && os_major < 16) || (rhel_compatible && os_major <= 7)
end

Associated revisions

Revision 55e31a60 - 04/23/2021 07:04 AM - Oleh Fedorenko

Fixes #32004 - Don't ignore use-ntp host param in prov templates

Setting use-ntp=false will never work due to short circuit evaluation

of boolean expressions in templates. This patch should make use-ntp
parameter be honored if set to false.

History

#1 - 03/03/2021 02:07 PM - Oleh Fedorenko

- Category changed from TFTP to Templates

- Status changed from New to Assigned

- Assignee set to Oleh Fedorenko

#2 - 03/03/2021 03:49 PM - The Foreman Bot

- Status changed from Assigned to Ready For Testing

- Pull request https://github.com/theforeman/foreman/pull/8365 added

#3 - 04/23/2021 07:04 AM - The Foreman Bot

- Fixed in Releases 2.5.0 added

#4 - 04/23/2021 08:01 AM - Oleh Fedorenko

- Status changed from Ready For Testing to Closed

Applied in changeset foreman|55e31a6027ab4e2aa32af36b4aa0fd20ef6ad0f0.