Cisco VIRL 1.5 upgrade and caveats

:: MEAT CHUNKS (links OTD) ::

1.5 release notes:

<https://learningnetwork.cisco.com/docs/DOC-34340>

When you need support for VIRL PE:

<https://learningnetwork.cisco.com/groups/virl>

1.5 install help site (release notes link is broken):

<http://get.virl.info/>

Dmitry Figol's networking programmability stream and blog about streaming:

<https://twitch.tv/dmfigol>

<https://dmfigol.me/blog/live-streaming-on-twitch-first-steps>

:: VLOG TOPICS ::

- VIRL 1.5 release notes review

much of this release is about installing the product

in-place not supported with 1.2.83 or earlier

versions earlier than 1.3.296 no longer supported

ignore online training material link <http://getvirl.cisco.com>, goes nowhere as of this stream

uwm - cleanup and validations for some entries

uwm - some configurations removed (eth0 cannot be changed without a re-install)

- confusing here, because says some primary network int changes can be done with virl\_setup

uwm - **new tabs in system configuration**

uwmadmin user changes, some changes restricted to this account

bugfixes (includes spectre and meltdown)

salt master update

system scaling

by default memory factor of 2

by default CPU factor of 3

images 'heavier' than IOSv impact capacity

protocols running impact node limit

staggered launches (CPU starvation handling)

staggered launch instructions

caveats

multiple project simulations simultaneously (1.3)

ntp for some time zones (east of GMT)

ntp - killing the process when sync fails

extracting configurations using safari (recommend firefox or chrome)

several live visualization known caveats

other issues with IE (firefox or chrome)

issues making multiple system/config/update changes simultaneously

upgrade packages individually

OSX users - **configure scroll bars to 'always show' in System preferences / General**

OSX VM Maestro install caveat (Sierra)

CPU-HOG message is cosmetic and can be ignored

EXCERPT for NTP issues:

NTP does not sync under certain circumstances. If this happens, please open a new thread on the VIRL CLN Community Forum.

**Workaround:** Restart NTPd using sudo systemctl restart ntp, check with ntpq -p.

Sometimes, it was sometimes necessary to kill the nptd process manually:

sudo systemctl stop  
ntp killall ntpd  
sudo systemctl start

- VIRL 1.5 in-place upgrade

- VM Maestro upgrade

VALIDATION checklist:

- images are upgraded

- load a simulation via UWM

- close and load a new simulation via VM Maestro

FOLLOWUP ISSUE:

- load time for vm maestro

:: SOCIAL MEDIA ::

TWITCH - <https://www.twitch.tv/thelantamer>

DISCORD - <https://discord.gg/BBSGPYH>

YOUTUBE - <https://www.youtube.com/thelantamer>

TWITTER - <https://twitter.com/thelantamer>

INSTAGRAM - <https://www.instagram.com/thelantamer/>

FACEBOOK - <https://www.facebook.com/lantamer/>

:: LAB LINKS ::

Google Drive share - <http://bit.ly/2AbJQhp>

INE Diagrams - <http://bit.ly/2mgTGso>

INE VIRL files on Github - <http://bit.ly/2ht78YH>