

Process Owner: IT Operations	FORM	F-CMG-3.1
	<i>Changing Yum Repository source from Elastix Repository to Epel Repository</i>	

Request Information				
Requestor	Jan Francis Lictao			
Implementing Team	Server Operation			
Ticket Number/s				
Change Classification		Major	x	Minor
After the fact		Yes	x	No
Emergency		Yes	x	No
Proposed Change Date	May 10, 2019			
Proposed Change Start/End Time	22:00 – 23:00			
Proposed Change Verification Time	23:30			

Objective of the change
To fix the yum repository and to be able to install the ClamAV application on the Elastix server.

Technical/Operational Impact of the change		
Negative: No negative impact to the production.	Beneficial: Can now able to install ClamAV and its pre-requisite as it was requirement in PCIDSS	Neutral: Yum install can now working.

Affected IT Infrastructure components			
Site	Hostname	IP Address	Function
Jaka	Kalliope	10.1.0.250	Dialer

Affected Departments and corresponding contact persons		
Department	Contact Name	Contact Info
Server Operation	Rovie Salvatiera	0917-627-4325

Test Environment implementation and Verification Summary
<ol style="list-style-type: none"> <li>1. Login to Test Elastix built by Network Team.</li> <li>2. Run yum install command and not working same issue with Kalliope. Error: <b>Cannot find a valid baseurl for repo: elastix-beta/x86_64</b></li> <li>3. Navigate to repo directory and list the repo list. # <b>cd /etc/yum.repos.d/</b> # <b>ls -ltrh</b>  <pre> -rw-r--r--. 1 root root 156 Jul 4 2014 CentOS-Vault.repo -rw-r--r--. 1 root root 1.3K Jul 4 2014 CentOS-Sources.repo -rw-r--r--. 1 root root 640 Jul 4 2014 CentOS-Debuginfo.repo -rwxr-xr-x. 1 root root 607 Jun 21 2016 commercial-addons.repo -rw-r--r-- 1 root root 162 Apr 13 23:14 wazuh.repo -rw-r--r-- 1 root root 1.8K Apr 24 16:57 CentOS-Base.repo -rwxr-xr-x 1 root root 1.1K Apr 24 17:52 elastix.repo -rw-r--r-- 1 root root 1.1K Apr 24 17:52 epel-testing.repo -rw-r--r-- 1 root root 954 Apr 24 17:53 epel.repo </pre> </li> </ol>

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4. Verify the enabled repository. Only Elastix repository is enabled.

#### # yum repolist all

```
Loaded plugins: fastestmirror
Could not retrieve mirrorlist http://mirror.elastix.org/?release=4&arch=x86_64&repo=commercial_addons
14: curl#6 - "Could not resolve host: mirror.elastix.org; Name or service not known"
Could not retrieve mirrorlist http://mirror.elastix.org/?release=4&arch=x86_64&repo=base error was
14: curl#6 - "Could not resolve host: mirror.elastix.org; Name or service not known"
Could not retrieve mirrorlist http://mirror.elastix.org/?release=4&arch=x86_64&repo=beta error was
14: curl#6 - "Could not resolve host: mirror.elastix.org; Name or service not known"
Could not retrieve mirrorlist http://mirror.elastix.org/?release=4&arch=x86_64&repo=extras error was
14: curl#6 - "Could not resolve host: mirror.elastix.org; Name or service not known"
Could not retrieve mirrorlist http://mirror.elastix.org/?release=4&arch=x86_64&repo=updates error was
14: curl#6 - "Could not resolve host: mirror.elastix.org; Name or service not known"

repo id                               repo name                               status
LowayResearch                         Loway Research Yum Repository          enabled: 73
base/7/x86_64                         CentOS-7 - Base                       enabled: 10,019
base-source/7                         CentOS-7 - Base Sources                disabled
centosplus/7/x86_64                  CentOS-7 - Plus                       disabled
centosplus-source/7                  CentOS-7 - Plus Sources                disabled
commercial-addons/x86_64              Commercial-Addons RPM Repository f     enabled: 26
debug/x86_64                          CentOS-7 - Debuginfo                  disabled
elastix-base/x86_64                   Base RPM Repository for Elastix        enabled: 0
elastix-beta/x86_64                   Beta RPM Repository for Elastix        enabled: 0
elastix-extras/x86_64                 Extras RPM Repository for Elastix      enabled: 17
elastix-updates/x86_64                 Updates RPM Repository for Elastix     enabled: 138
epel/x86_64                           Extra Packages for Enterprise Linu     disabled
epel-debuginfo/x86_64                 Extra Packages for Enterprise Linu     disabled
epel-source                           Extra Packages for Enterprise Linu     disabled
epel-testing/x86_64                   Extra Packages for Enterprise Linu     disabled
epel-testing-debuginfo/x86_64          Extra Packages for Enterprise Linu     disabled
epel-testing-source/x86_64             Extra Packages for Enterprise Linu     disabled
extras/7/x86_64                       CentOS-7 - Extras                     enabled: 413
extras-source/7                       CentOS-7 - Extras Sources              disabled
iperfex/7/x86_64                       IPERFEX RPMs repository                enabled: 9
updates/7/x86_64                       CentOS-7 - Updates                    enabled: 1,840
updates-source/7                       CentOS-7 - Updates Sources              disabled
wazuh_repo                            wazuh repository                       enabled: 0
repolist: 12,535
```

5. Now, disable the Elastix related repository and enable EPEL repository.  
6. Install now ClamAV and wget application using yum install.

### Test Environment Results Summary

Successfully install wget and ClamAV on the Test Elastix server.

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#### Configuration Change Template

Baseline File	3.1.103 ELASTIX
Baseline Version	2.0

#### Baseline File Changes:

Existing Configuration	Proposed Change	Impact	Section
Only Elastix repository is enabled.	Temporary enable EPEL repository and disable Elastix repository to install ClamAV application.	No impact to production.	REPO

#### Physical Implementation Procedures / Advisory

No physical implementation will be facilitated.

#### Backup Procedures

1. Backup DB and Configurations.

Refer to KB Article: **Back-up and Retention Process for Elastix Configuration and Database**



Back-up and Retention Process for

Backup Name	Date	Action
 elastixbackup-20190509164932-65.tar	09/05/2019 16:49:32	<button>Restore</button>

2. Backup Repository files.

```
[root@Kalliope yum.repos.d]# cp -p /etc/yum.repos.d/* /home/jan/Backup/
[root@Kalliope yum.repos.d]# ls -l /home/jan/Backup/
-rw-r--r-- 1 root root 1756 Apr 24 16:57 CentOS-Base.repo
-rw-r--r-- 1 root root 640 Jul 4 2014 CentOS-Debuginfo.repo
-rw-r--r-- 1 root root 1331 Jul 4 2014 CentOS-Sources.repo
-rw-r--r-- 1 root root 156 Jul 4 2014 CentOS-Vault.repo
-rwxr-xr-x 1 root root 607 Jun 21 2016 commercial-addons.repo
```

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```
-rwxr-xr-x 1 root root 1083 Apr 24 17:52 elastix.repo
-rw-r--r-- 1 root root 954 Apr 24 17:53 epel.repo
-rw-r--r-- 1 root root 1056 Apr 24 17:52 epel-testing.repo
-rw-r--r-- 1 root root 162 Apr 13 23:14 wazuh.repo
```

#### Technical Configuration Procedures

1. Login to Elastix server , 10.1.0.25 0 via SSH and switch to super user.
2. Verify current enabled repository using **yum repolist all** command.



repolist.txt

Centos and Epel is disabled. Only Elastix is enabled which is not working anymore since it was outdated.

3. Go to repository directory and edit the Elastix Repo and Epel Repo.

# **cd /etc/yum.repos.d/**

# **ls -ltrh**

```
-rw-r--r-- 1 root root 156 Jul 4 2014 CentOS-Vault.repo
-rw-r--r-- 1 root root 1.3K Jul 4 2014 CentOS-Sources.repo
-rw-r--r-- 1 root root 640 Jul 4 2014 CentOS-Debuginfo.repo
-rwxr-xr-x 1 root root 607 Jun 21 2016 commercial-addons.repo
-rw-r--r-- 1 root root 162 Apr 13 23:14 wazuh.repo
-rw-r--r-- 1 root root 1.8K Apr 24 16:57 CentOS-Base.repo
-rwxr-xr-x 1 root root 1.1K Apr 24 17:52 elastix.repo
-rw-r--r-- 1 root root 1.1K Apr 24 17:52 epel-testing.repo
-rw-r--r-- 1 root root 954 Apr 24 17:53 epel.repo
```

4. Edit elastix.repo to disable it, set value to 0.

[root@Kalliope yum.repos.d]# **vi elastix.repo**



before.elastix.repo. after.elastix.repo.txt  
txt

5. Edit epel.repo to enable it, set value to 1.

[root@Kalliope yum.repos.d]# **vi epel.repo**



before.epel.repo.txt after.epel.repo.txt

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Verification Procedures	
1. After editing, verify again the repository list. [root@Kalliope yum.repos.d]# <b>yum repolist all</b>	
Elastix repository status must be disable and Epel repository is enabled.	
2. Install now the ClamAV and its dependences. Run yum install to verify.	
yum install wget	
Loaded plugins: fastestmirror, refresh-packagekit, security	
Setting up Install Process	
Determining fastest mirrors	
* base: centos.communilink.net	
* extras: mirror.sunnyvision.com	
* updates: mirror.sunnyvision.com	
base	3.7 kB 00:00
extras	3.4 kB 00:00
extras/primary_db	29 kB 00:00
updates	3.4 kB 00:00
updates/primary_db	3.7 MB 00:08
Resolving Dependencies	
--> Running transaction check	
---> Package wget.x86_64 0:1.12-8.el6 will be updated	
---> Package wget.x86_64 0:1.12-10.el6 will be an update	
--> Finished Dependency Resolution	
Dependencies Resolved	
=====	
Package Arch Version Repository Size	
=====	
Updating:	
wget x86_64 1.12-10.el6 base 484	
Transaction Summary	
=====	
Upgrade 1 Package(s)	
Total download size: 484 k	
Is this ok [y/N]:	
3. Continue installing the ClamAV by following the Documentation below.	
<a href="https://www.clamav.net/documents/installation-on-redhat-and-centos-linux-distributions">https://www.clamav.net/documents/installation-on-redhat-and-centos-linux-distributions</a>	
4. After all installation, conduct a test call to all local Extension, outbound and inbound call.	
For outbound call, dial any international Toll Free number (e.g. <a href="tel:1800104633339">1800 10 463 3339</a> FedEx US)	
For inbound call, dial OAM US number ( <a href="tel:16502765399">+1 650-276-5399</a> ) and Marketing team must receive the call.	

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Back-out Procedures
<p>1. Copy back the backup repository files from /home/jan/Backup to /etc/yum.repos.d/</p> <p>[root@pelops yum.repos.d]#cp -p /home/jan/Backup/* /etc/yum.repos.d/</p>