How to collect Coredump (os, application)

Sometimes when a server hang up due to other issues, it needs a core dump to analyze the cause.

**step 1 : how to collect application core dump**

3rd part application core dump

#### Enable dumping for unsigned packages

* To collect core dumps from unsigned packages, (such as third party or in-house developed applications), do the following:
	+ Edit /etc/abrt/abrt-action-save-package-data.conf
	+ Change OpenGPGCheck = yes to OpenGPGCheck = no

o   Save changes and restart the daemon

* + service abrtd restart
	+ service abrt-ccpp restart

**step 2 : how to collect vm core dump**

To modify the kernel parameters, add the following files Modify.

* + [/etc/sysctl.conf]
	+ kernel.sysrq =  1
	+ kernel.hung\_task\_panic =  1
	+ kernel.panic\_on\_io\_nmi =  1
	+ kernel.panic\_on\_unrecovered\_nmi =  1
	+ kernel.panic\_on\_stackoverflow =  1
	+ kernel.softlockup\_panic =  1
	+ kernel.unknown\_nmi\_panic =  1

 To apply enter this command

#### # sysctl -p

If hang up is accrue, press the magic key (Alt + PrintScreen + [C]) to force vmcore to collect

Alternatively, click the hardware NMI button to initiate a forced panic

After rebooting, please check vmcore saved in / var / crash /



