

	Doc or ECO #:	ECO-71632-001	Date:	2/10/19	Author:	aeg
	Rev. #:	A				
Engineering Change Order (ECO)	Engineering Approval:	aeg	Date:	2/10/19	Quality Approval	DO

P/N #:	71632	Effective Date:	February 10, 2019
Title:	Kernel update and configuration revisions		

1.0 Purpose / Summary

To prevent intermittent freeze on the m100g computers the kernel will be updated.

In response to customer requests, the snapshot was changed to a screen capture and the autodepth tuning was made less aggressive.

The documentation tree and replay features were also added.

2.0 Parts Affected

Part Number	Notes	Removed	Added	Modified	REV
71632	Config set changed	☐	☐	☒	B

3.0 Detail

Several changes were made to the config file set:

- 1) Replay desktop shortcut and icons were added
- 2) White MSS icon added to graphics
- 3) PRO5 startup icon changed to white
- 4) Snapshot changed to screen capture rather than high resolution still image, both PRO5 and Defender configs
- 5) PRO5 auto depth P coefficient change from 160 to 20 to prevent overdriven oscillations
- 6) Add documentation shortcut

The kernel was also upgraded to: 4.4.0-142-generic

(note: WI were updated to use latest distribution kernel)

The installation of the documentation tree (documentation.zip) was added.

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4.0 Disposition of Material

All system should be upgraded.

Field Upgrade steps:

1) Kernel update:

a. Open a terminal (**CTRL-ALT-T**) and enter the following commands:

i. `sudo apt-get update -y`

1. (NOTE: when first running sudo, you will be prompted for the root password which is **videoray**)

ii. `sudo apt-get upgrade -y`

iii. `sudo apt-get dist-upgrade -y`

b. Reboot system

2) config update:

a. Open a terminal (**CTRL-ALT-T**) and enter the following commands:

b. `wget --user quarterdeck --password quarterdeck ftp://videoray.exavault.com/greensea/vr\_update\_config.sh`

c. `chmod +x vr_update_config.sh`

d. `./vr_update_config.sh`

3) Update documentation (this is separated since the doc tree is so large (450MB))

a. `wget --user quarterdeck --password quarterdeck ftp://videoray.exavault.com/documentation.zip`

b. `unzip documentation.zip -d documentation`

c. `rm documentation.zip`

4) Change default image viewer to Shotwell

a. Open System Settings

i. Left click on gear in upper right of desktop

b. Select system settings in the drop-down list

c. Click on Details

d. Select Default Applications

e. Select Shotwell viewer in Photos

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5.0 Action Items

Action	Department	Acknowledgement Initials
Train support of field updates	Eng	AEG
Post updates to FTP	Eng	AEG
Add verification of kernel version to QC procedures	Quality	DO

6.0 Modified / Referenced Documents:

Document	Current Revision
gss_configs_R54.tgz	R54
WI-71632-MSS_software_installation.pdf	B
documentation.zip	N/A
vr_update_config.sh	A

7.0 Revision History

Date Revised (mm-dd-yyyy)	Location of Change (section, paragraph no., step no., etc.)	Description of Change Made	Name of Person making the Change
12/10/2019		Init release	AEG