Patching - Solaris - aa

Checklist

☐ Attach test evidence from ITF environment to the change

Solaris Patching

This step should be done in advance. and should be done on both production and ITF IPS repository servers:

* nrd-s11mgmt-01
* itf-s11mgmt-01

Document ID - https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=bwewjoikt_57&_afrLoop=70801576932609

Prep work

```
export https_proxy=10.10.7.13:8080
export http_proxy=$https_proxy
echo $https_proxy


27/07/2022 - 11.4.47.119.2 19 July 2022
wget -b --user alvin.alvarez@cubic.com --password=ge7HS4tjKydR6YP 'https://updates.oracle.com/Orion/Download
/process_form/p34259919_1100_Solaris86-64_1of8.zip?file_id=115078190&aru=24863877&userid=o-alvin.alvarez@cubic.
com&email=alvin.alvarez@cubic.com&patch_password=&patch_file=p34259919_1100_Solaris86-64_1of8.zip' -O
p34259919_1100_Solaris86-64_1of8.zip
wget -b --user alvin.alvarez@cubic.com --password=ge7HS4tjKydR6YP 'https://updates.oracle.com/Orion/Download
/process_form/p34259919_1100_Solaris86-64_2of8.zip?file_id=115078197&aru=24863877&userid=o-alvin.alvarez@cubic.
com&email=alvin.alvarez@cubic.com&patch_password=&patch_file=p34259919_1100_Solaris86-64_2of8.zip' -O
p34259919_1100_Solaris86-64_2of8.zip
wget -b --user alvin.alvarez@cubic.com --password=ge7HS4tjKydR6YP 'https://updates.oracle.com/Orion/Download
/process_form/p34259919_1100_Solaris86-64_3of8.zip?file_id=115078192&aru=24863877&userid=o-alvin.alvarez@cubic.
com&email=alvin.alvarez@cubic.com&patch_password=&patch_file=p34259919_1100_Solaris86-64_3of8.zip' -O
p34259919_1100_Solaris86-64_3of8.zip
wget -b --user alvin.alvarez@cubic.com --password=ge7HS4tjKydR6YP 'https://updates.oracle.com/Orion/Download
/process_form/p34259919_1100_Solaris86-64_4of8.zip?file_id=115078193&aru=24863877&userid=o-alvin.alvarez@cubic.
com&email=alvin.alvarez@cubic.com&patch_password=&patch_file=p34259919_1100_Solaris86-64_4of8.zip' -O
p34259919_1100_Solaris86-64_4of8.zip
wget -b --user alvin.alvarez@cubic.com --password=ge7HS4tjKydR6YP 'https://updates.oracle.com/Orion/Download
/process_form/p34259919_1100_Solaris86-64_5of8.zip?file_id=115078194&aru=24863877&userid=o-alvin.alvarez@cubic.
com&email=alvin.alvarez@cubic.com&patch_password=&patch_file=p34259919_1100_Solaris86-64_5of8.zip' -O
p34259919_1100_Solaris86-64_5of8.zip
wget -b --user alvin.alvarez@cubic.com --password=ge7HS4tjKydR6YP 'https://updates.oracle.com/Orion/Download
/process_form/p34259919_1100_Solaris86-64_6of8.zip?file_id=115078222&aru=24863877&userid=o-alvin.alvarez@cubic.
com&email=alvin.alvarez@cubic.com&patch_password=&patch_file=p34259919_1100_Solaris86-64_6of8.zip' -O
p34259919_1100_Solaris86-64_6of8.zip
wget -b --user alvin.alvarez@cubic.com --password=ge7HS4tjKydR6YP 'https://updates.oracle.com/Orion/Download
/process_form/p34259919_1100_Solaris86-64_7of8.zip?file_id=115078199&aru=24863877&userid=o-alvin.alvarez@cubic.
com&email=alvin.alvarez@cubic.com&patch_password=&patch_file=p34259919_1100_Solaris86-64_7of8.zip' -O
p34259919_1100_Solaris86-64_7of8.zip
wget -b --user alvin.alvarez@cubic.com --password=ge7HS4tjKydR6YP 'https://updates.oracle.com/Orion/Download
/process_form/p34259919_1100_Solaris86-64_8of8.zip?file_id=115078198&aru=24863877&userid=o-alvin.alvarez@cubic.
com&email=alvin.alvarez@cubic.com&patch_password=&patch_file=p34259919_1100_Solaris86-64_8of8.zip' -O
p34259919_1100_Solaris86-64_8of8.zip

wget -b --user alvin.alvarez@cubic.com --password=ge7HS4tjKydR6YP 'https://updates.oracle.com/Orion/Download
/process_form/p34259920_1100_SOLARIS64.zip?file_id=115077482&aru=24863837&userid=O-alvin.alvarez@cubic.
com&email=alvin.alvarez@cubic.com&patch_password=&patch_file=p34259920_1100_SOLARIS64.zip' -O
p34259920_1100_SOLARIS64.zip


unzip p33627687_1100_SOLARIS64.zip
cat sol-11_4_41_107_2-incr-repo_digest.txt
digest -a sha256 p*_1100_SOLARIS64*
sudo ./install-repo.ksh -c -d /export/pkgrepo-11.4/
sudo pkg refresh
pkg list -af entire
sudo pkg info -r entire@11.4-11.4.41.0.1.107.2
```

Patching

```
# Health Checks
svcs -xv
sudo fmadm faulty
zpool status -x
df -h /

# Pkg update command 24/10/2022
sudo pkg update --accept --no-be-activate --require-new-be --be-name 11.4.50.126.3 entire@11.4-11.4.50.0.1.126.3

# Activate NEW BE
sudo beadm activate 11.4.50.126.3

##### IMPORTANT NOT TO FORGET #####
# Save LDOM config
sudo ldm ls-config
sudo ldm add-config $(gdate -I)a

# Apply and reboot
sudo init 6

# Verification
pkg info entire

# Tidying up
sudo beadm list;
sudo beadm create 11.4.47.119.2-backup;
sudo beadm destroy -F 11.4.35.94.4;
sudo beadm destroy -F 11.4.35.94.4-backup;
sudo beadm list;
```

LDOMs

Production : 34 machines

Production NRD						
Machine	**Server**	**ILO IP Address**	**LDOM**	**Zone**	**App Shutdown**	**Database Shutdown**
SPARC T7-2	nrd-t72-01	nrd-t72-01-ilo.mgmt.opal.sys	primary			
			nrd-oradb-03		DBA	alvin.alvarez@nrd-oradb-03:~$ pgrep -lf pmon 15112 asm_pmon_+ASM4 19010 apx_pmon_+APX4 7377 ora_pmon_nrdprod3 29611 mdb_pmon_-MGMTDB
			nrd-pcidb-01		DBA	alvin.alvarez@nrd-pcidb-01:~$ pgrep -lf pmon 3482 asm_pmon_+ASM1 5550 mdb_pmon_-MGMTDB 5198 ora_pmon_emvnrd021 13936 ora_pmon_emvnrd011
			nrd-wlapp-03	global		
				nrd-solald-01	CS	
				zweblogic	CS	
SPARC T7-2	nrd-t72-02	nrd-t72-02-ilo.mgmt.opal.sys	primary			
			nrd-oradb-04		DBA	
			nrd-s11mgmt-02	global		
				zorarestore		

Machine	Server	ILO IP Address	LDOM	Zone	App Shutdown	Database Shutdown
				zoraem - in hmb-s11mgmt-02	DBA	
			nrd-wlapp-04	global		
				nrd-solald-02	CS	
SUN FIRE X4170 M3	nrd-s11mgmt-01	nrd-x4170-01-ilo.mgmt.opal.sys		global		
				zvnc		
SUN SERVER X4-2	nrd-x42-01	10.1.162.131		global		
				znrdlogship		
				znrdmailarch		
				znrdsyslog		

Production HMB

Machine	Server	ILO IP Address	LDOM	Zone	App Shutdown	Database Shutdown
SPARC T7-2	hmb-t72-01	hmb-t72-01-ilo.mgmt.opal.sys	primary			
			hmb-oradb-03		DBA	root@hmb-oradb-03:~# pgrep -lf pmon 8080 asm_pmon_+ASM3 10448 apx_pmon_+APX3 11449 ora_pmon_hmbprod3
			hmb-pcidb-01		DBA	root@hmb-pcidb-01:~# pgrep -lf pmon 3376 asm_pmon_+ASM1 4452 mdb_pmon_-MGMTDB 15388 ora_pmon_emvhmb011 16538 ora_pmon_emvhmb021 29004 ora_pmon_catdbctp
			hmb-wlapp-03	global		
				hmb-solald-01	CS	
				zweblogic - in nrd-wlapp-03	CS	
SPARC T7-2	hmb-t72-02	hmb-t72-02-ilo.mgmt.opal.sys	primary			
			hmb-oradb-04		DBA	root@hmb-oradb-04:~# pgrep -lf pmon 5887 asm_pmon_+ASM4 6350 ora_pmon_hmbprod4 6054 apx_pmon_+APX4 7962 mdb_pmon_-MGMTDB
			hmb-s11mgmt-02	global		
				zoraem	DBA	
			hmb-wlapp-04	global		
				hmb-solald-02	CS	
SUN FIRE X4170 M3	hmb-s11mgmt-01	10.1.178.101				
SUN SERVER X4-2	hmb-x42-01	10.1.178.131		global		
				zhmblogship		
				zhmbmailarch		
				zhmbsyslog		

Test : 46 machines

TEST

Machine	Server	LDOM	ILOM IP Address	Zone	App Shutdown	Database Shutdown

T5-2	itf-t5-1	primary	10.10.163.11			
		cubic-dom1		global		
				cub-solccs-01.cubitf.opal.test	Robert Najdovski	
				cubitf-zcil1		<To be Decommissioned>
				cub-solpcidb-01.cubitf.opal.test		root@cub-pcidba-01:~# pgrep -lf pmon 24205 ora_pmon_emvcub02 20853 asm_pmon_+ASM 21300 ora_pmon_emvcub01
				cub-soloradb-01.cubitf.opal.test		root@cubitf-oradb-2:~# pgrep -lf pmon 10944 ora_pmon_etscubift1 10474 asm_pmon_+ASM
T5-2	itf-t5-2	primary	10.10.163.12			
		etsb-dom1		global		
				ets-solpcidb-01.etsitf.opal.test		alvin.alvarez@etsb-pcidb-01:~$ pgrep -lf pmon 5557 asm_pmon_+ASM 7677 ora_pmon_emvets01 8613 ora_pmon_emvets02
				ets-solccs-01.etsitf.opal.test	Robert Najdovski	
				ets-soloradb-01.etsitf.opal.test		alvin.alvarez@etsb-oradb-2:~$ pgrep -lf pmon 5588 asm_pmon_+ASM 7512 ora_pmon_etsitf1
T5-2	itf-t5-3	primary	10.10.163.15			
		deveng-dom1		global		
				dev-solbld-01.dev.opal.test		
				dev-solccs-01.dev.opal.test		
				dev-solccs-03.dev.opal.test		
				dev-solccs-04.dev.opal.test		
				dev-soloradb-01.dev.opal.test		root@deveng-ora:~# pgrep -lf pmon 9215 asm_pmon_+ASM 4606 ora_pmon_deveng3 5343 ora_pmon_sydcsdev 4933 ora_pmon_deveng4
				dev-solccs-02.dev.opal.test		
		engtst-dom1		global		
				engtst-cpa-01		<To be Decommissioned>
				eng-solpcidb-01.eng.opal.test		root@engtst-pcidb-01:~# pgrep -lf pmon 20649 ora_pmon_emvtst01 21205 asm_pmon_+ASM 21376 ora_pmon_emvtst02
				eng-solccs-02.eng.opal.test		
				eng-soloradb-01.eng.opal.test		root@engtst-ora:~# pgrep -lf pmon 7325 ora_pmon_sydcstst 8244 asm_pmon_+ASM 7855 ora_pmon_testeng2
				eng-solccs-01.eng.opal.test		
T7-1	itf-t71-01	primary	10.10.163.16			
		inf-pcidbb-01			DBA	alvin.alvarez@inf-pcidbb-01:~$ pgrep -lf pmon 1630 asm_pmon_+ASM 7410 ora_pmon_emvinf01 7928 ora_pmon_emvinf02 alvin.alvarez@inf-pcidbb-01:~$
		inf-oradb-a1			DBA	alvin.alvarez@inf-oradb-a1:~$ pgrep -lf pmon 16252 asm_pmon_+ASM1 16674 ora_pmon_infdba1
		inf-oradb-b1			DBA	alvin.alvarez@inf-oradb-b1:~$ pgrep -lf pmon 3129 asm_pmon_+ASM1 12027 ora_pmon_infdbb1
		inf-wlapp-01		global		

				inf-solald-01	CS	
				zweblogic	CS	
		inf-wlapp-02		global		
				inf-solald-02	CS	
T7-1	itf-t71-02	primary	10.10.163.17			
		inf-pcidba-01			DBA	alvin.alvarez@inf-pcidba-01:~$ pgrep -lf pmon 1604 asm_pmon_+ASM 28349 ora_pmon_emvinf01 28192 ora_pmon_emvinf01 alvin.alvarez@inf-pcidba-01:~$
		inf-oradb-a2			DBA	alvin.alvarez@inf-oradb-a2:~$ pgrep -lf pmon 5137 asm_pmon_+ASM2
		inf-oradb-b2			DBA	alvin.alvarez@inf-oradb-b2:~$ pgrep -lf pmon 4064 asm_pmon_+ASM2 8478 ora_pmon_infdbb2
		inf-wlapp-03		global		
				inf-solald-03	CS	
				inf-zoraem	DBA	
		inf-wlapp-04		global		
				inf-solald-04	CS	
X4170	itf-s11mgmt-01		10.10.163.101	global		
				zitfsyslog		
				zitflogship		
				zitfvnc		