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❖ HP-UX 11i PCI OLA/R (Online Addition and Replacement) drivers may be missing from the system file

❖ HP-UX 11i Ignite-UX servers may create client systems with OLA/R drivers missing from the system file

This bulletin applies to customers with the following servers:

- Superdome Enterprise Server [product #A5200A, A5200AR]
- rp7400 / N4000 Enterprise Servers [products # A3639A,A3639AR, A3639B,A3639BR, A3639C, A3639CR]
- rp8400 Enterprise Server [product # A6093A, A6093AR]
- rp7410 Enterprise Server [product # A6752A,A6752AR]
- rp5470 (L3000) Enterprise Servers [products # A6144A,A6144AR, A6144B,A6144BR]
- rp5450 (L2000) Enterprise Servers [product # A5191A,A5191AR, A5191B, A5191BR]
- rp5430 (L1500) Enterprise Server [products # A6797B, A6797BR]
- rp5400 (L1000) Enterprise Servers [product # A5576A,A5576AR, A5576B, A5576BR]

And the following media:

- HP-UX 11i OE [product # B3920EA]
- HP-UX 11i Enterprise OE [product # B7993AA]
- HP-UX 11i Mission Critical OE [product # B7994AA]
- HP-UX 11i Technical Computing OE [product # B6821AA]
- HP-UX 11i Minimal Technical Computing Environment OE [product # B6845AA]

And who use the OLA/R features of their HP-UX 11i Server.

Note: Customers with HP configured servers shipped after March 2002 will not experience this issue. Customers who do not use PCI OLA/R features will not experience this issue. However, customers that install or re-install from media may experience this issue.

Hewlett-Packard has identified an issue with missing OLA/R drivers on HP-UX 11i in the /stand/system file. The following symptoms are possible consequences:

1. PCI OLA/R (OnLine Addition and Replacement) functionality may be unavailable on some customer systems because three (3) OLA/R drivers are missing from the /stand/system file on some systems that were configured by HP.
2. PCI OLA/R (OnLine Addition and Replacement) functionality may be unavailable on some customer Ignite-UX client systems because three OLA/R drivers are missing from the /stand/system file. This happens after these systems are ignited from a HP-UX 11i Ignite-UX image taken from any 11i Install and Recovery CD or SD depot.



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3. Recovery media created with `make_recovery` or a backup image created with `make_sys_image` commands may also be missing the three OLA/R drivers from the `/stand/system` file.

Instructions are provided below to remedy this situation.

HP's Recommendation:

- If you are not using OLA/R and do not plan to use this feature you do not need to take any further action.
- If you are using OLA/R or plan to use this feature, check to see if the OLA/R drivers are in the `/stand/system` file by using the following commands:

```
#/usr/bin/grep olar_psm /stand/system  
#/usr/bin/grep olar_psm_if /stand/system  
#/usr/bin/grep dev_olar /stand/system
```

If you are missing any of the drivers, the issue can be resolved by manually editing the `/stand/system` file to include the missing drivers on separate lines in the `/stand/system` file before the tunable parameters.

Once these entries are added to the `/stand/system` file, build the kernel and reboot the system by using the following commands:

```
# /usr/sbin/mk_kernel -o /stand/vmunix  
# /usr/sbin/shutdown -r
```

HP will be providing a fix for this problem at a later date.

If you require assistance from Hewlett-Packard, please contact your local Hewlett-Packard Support Representative. We appreciate your business and look forward to serving your needs in the future.

Regards,

Hewlett-Packard Company