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## A/UX: When It Builds a New Kernel

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A/UX: When It Builds a New Kernel

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### Article Change History

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04/30/92 - REVIEWED

- For technical accuracy

### TOPIC -----

Sometimes A/UX automatically builds a new kernel when I change the hardware configuration (different CPU type, more memory, new Ethernet card). Other times it doesn't, and just starts fine on the new configuration.

When and why does A/UX decide to build a new kernel?

### DISCUSSION -----

In general, A/UX rebuilds a new kernel for the following reasons:

- Someone has removed the existing NuBus card (which has driver like ae6 in kernel) such as Ethernet or EtherTalk card, or SuperMac Comm Card, and replaces it into a DIFFERENT slot.
- Someone adds a new NuBus card (with the driver that came with A/UX) onto the system.
- Someone issues a "newconfig" command.

If you move an A/UX drive onto a different CPU and the NuBus card matches the one in A/UX, then A/UX won't rebuild its kernel when it starts. Otherwise, it should rebuild a new kernel to match the existing hardware.

Adding or removing memory doesn't require a new kernel rebuild. A/UX

automatically recognizes its available memory size at startup.

Adding or removing video cards doesn't require a new kernel either since there is no new driver in A/UX to configure.

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