
Subject: [PATCH 00/15] sysfs support for namespaces

Posted by [ebiederm](#) on Fri, 04 Jul 2008 00:48:40 GMT

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When multiple namespaces are in use we can get multiple kernel objects with the same name which is currently impossible to represent in sysfs. In particular directories like /sys/class/net and /sys/kernel/uids have significant problems.

Not wanting to change the user space interface and wanting to have a simple implementation where all objects are in the kobject and sysfs trees. The decision has been made to tag objects with the namespace they live in, and in a particular mount of sysfs only display objects with the tag that corresponds to the namespaces in effect when sysfs was mounted.

After the last round of reviews the mount/umount logic is significantly cleaned up and easier to maintain. From a 10,000 foot view the code and the way it functions has remained the same since we settled on tagged directories a year or so ago. I intend any future cleanups to be as incremental patches on top of this existing set.

Lack of these patches are keeping the generally complete network namespace work in 2.6.26 from being used and tested more heavily. Can we please get the patches merged?

These patches are based off of 2.6.26-rc8 + the -gregkh tree from last night. Hopefully that means they apply -mm -gregkh and -linux-next.

Eric

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