What: /sys/fs/ocfs2/
Date: April 2008
Contact: ocfs2-devel@oss.oracle.com
Description:

The /sys/fs/ocfs2 directory contains knobs used by the
ocfs2-tools to interact with the filesystem.

What: /sys/fs/ocfs2/max_locking_protocol
Date: April 2008
Contact: ocfs2-devel@oss.oracle.com
Description:

The /sys/fs/ocfs2/max_locking_protocol file displays version
of ocfs2 locking supported by the filesystem. This version
covers how ocfs2 uses distributed locking between cluster
nodes.

The protocol version has a major and minor number. Two
cluster nodes can interoperate if they have an identical
major number and an overlapping minor number - thus,
a node with version 1.10 can interoperate with a node
sporting version 1.8, as long as both use the 1.8 protocol.

Reading from this file returns a single line, the major
number and minor number joined by a period, eg "1.10".

This file is read-only. The value is compiled into the
driver.

What: /sys/fs/ocfs2/loaded_cluster_plugins
Date: April 2008
Contact: ocfs2-devel@oss.oracle.com
Description:

The /sys/fs/ocfs2/loaded_cluster_plugins file describes
the available plugins to support ocfs2 cluster operation.
A cluster plugin is required to use ocfs2 in a cluster.
There are currently two available plugins:

* 'o2cb' - The classic o2cb cluster stack that ocfs2 has
        used since its inception.
* 'user' - A plugin supporting userspace cluster software
        in conjunction with fs/dlm.

Reading from this file returns the names of all loaded
plugins, one per line.

This file is read-only. Its contents may change as
plugins are loaded or removed.

What: /sys/fs/ocfs2/active_cluster_plugin
Date: April 2008
Contact: ocfs2-devel@oss.oracle.com
Description:

The /sys/fs/ocfs2/active_cluster_plugin displays which
cluster plugin is currently in use by the filesystem.
The active plugin will appear in the loaded_cluster_plugins
file as well. Only one plugin can be used at a time.

Reading from this file returns the name of the active plugin
on a single line.

This file is read-only. Which plugin is active depends on
the cluster stack in use. The contents may change
when all filesystems are unmounted and the cluster stack
is changed.

What: /sys/fs/ocfs2/cluster_stack
Date: April 2008
Contact: ocfs2-devel@oss.oracle.com
Description:

        The /sys/fs/ocfs2/cluster_stack file contains the name
        of current ocfs2 cluster stack. This value is set by
        userspace tools when bringing the cluster stack online.

        Cluster stack names are 4 characters in length.

        When the 'o2cb' cluster stack is used, the 'o2cb' cluster
        plugin is active. All other cluster stacks use the 'user'
        cluster plugin.

        Reading from this file returns the name of the current
        cluster stack on a single line.

        Writing a new stack name to this file changes the current
        cluster stack unless there are mounted ocfs2 filesystems.
        If there are mounted filesystems, attempts to change the
        stack return an error.

Users:
        ocfs2-tools <ocfs2-tools-devel@oss.oracle.com>