Oracle Cluster File System (OCFS2) User's Guide

1. Introduction

A Cluster File System allows all nodes in a cluster to concurrently access a device via the standard file system interface. This allows for easy management of applications that need to run across a cluster.

OCFS (Release 1) was released in December 2002 to enable Oracle Real Application Cluster (RAC) users to run the clustered database without having to deal with RAW devices. The file system was designed to store database related files, such as data files, control files, redo logs, archive logs, etc.

OCFS2 is the next generation of the Oracle Cluster File System. It has been designed to be a general-purpose cluster file system. With it, one can store not only database related files on a shared disk, but also store Oracle binaries and configuration files (shared Oracle home) making management of RAC even easier.

2. Installation

The OCFS2 distributions comprises of two sets of packages. Namely, the kernel module and the tools.

The kernel module is available for download from http://oss.oracle.com/projects/ocfs2/files/ and the tools from http://oss.oracle.com/projects/ocfs2-tools/files/.

Download the appropriate packages. For the kernel module, download the one that matches the distribution, platform, kernel version and the kernel flavor (smp, hugemem, psmp, etc). For tools, simply match the platform and distribution.

The tools packages are split into two. ocfs2-tools includes the command line tools, whereas, ocfs2console includes the GUI front-end for the tools. One does not have to install the console, though it is recommended for ease-of-use.

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Marcel A. Müller

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