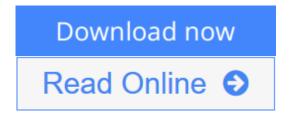# CentOS High Availability

By Mitja Resman

CentOS High Availability By Mitja Resman

Leverage the power of high availability clusters on CentOS Linux, the enterprise-class, open source operating system

About This Book

- Install, configure, and manage a multi-node cluster running on CentOS Linux
- Manage your cluster resources and learn how to start, stop, and migrate resources from one host to another
- Designed as a step-by-step guide, this book will help you become a master of cluster nodes, cluster resources, and cluster services on CentOS 6 and CentOS 7

Who This Book Is For

This book is targeted at system engineers and system administrators who want to upgrade their knowledge and skills in high availability and want to learn practically how to achieve high availability with CentOS Linux. You are expected to have good CentOS Linux knowledge and basic networking experience.

What You Will Learn

- Prepare the CentOS 6 and CentOS 7 operating systems for cluster software installation
- Install, configure, and test cluster stacks on CentOS 6 (Corosync, CMAN, and RGManager) and CentOS 7 (Corosync and Pacemaker)
- Configure failover domains, cluster resources, cluster services, and cluster resource groups
- Start, stop, add, and remove cluster nodes from a cluster on CentOS 6 and CentOS 7
- Place a cluster on standby mode to perform maintenance work on the cluster node
- Configure fencing on CentOS 6 and STONITH on CentOS 7
- Successfully test cluster failovers

In Detail

The high performance and stability of CentOS Linux are the key factors that make CentOS Linux the right Linux distribution to build high availability solutions on. This book introduces you to high availability before briefly walking you through the cluster stack and its layers. The book is then divided into two parts, part A and part B, based on CentOS versions 6 and 7 respectively. Each part begins with the installation and configuration of the Corosync cluster messaging software with CMAN or with the Pacemaker cluster resource management software.

You will also be introduced to cluster service configuration and cluster service management before you configure fencing or STONITH on CentOS 6 and CentOS 7. By the end of this book, you will have the skills required to independently design, implement, and maintain a CentOS high availability multinode cluster environment.

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Editorial Review

About the Author

Mitja Resman

Mitja Resman hails from a small, beautiful country called Slovenia in south-central Europe. He is a fan of Linux and also an open source enthusiast. He is a Red Hat Certified Engineer and Linux Professional Institute professional. Working as a system administrator, Mitja gained years of professional experience with open source software and Linux system administration on local and international projects. The Swiss Army Knife syndrome makes him an expert in the field of VMware virtualization, Microsoft system administration, and more recently, Android system administration. Mitja has a strong desire to learn, develop, and share knowledge with others. This is the reason he started a blog called GeekPeek.Net. It provides CentOS Linux guides and how-to articles covering all sorts of topics appropriate for both beginners and advanced users. Mitja is also a devoted father and husband. His daughter and wife are the ones who take his mind off the geek stuff and make him appreciate life and look forward to the things to come.

Users Review

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