

**EverON High Availability Configuration Guide
for
Cougar 3000 Series Clustered NAS**

Customer Order Number: ONS-DOC-CCG-3000, Rev A1
Text Part Number: 690-0030-0001, A1

ONStor, Inc.
254 East Hacienda Ave.
Campbell, CA 95008
(408) 963-2400

Contents

Preface	i
Audience	i-ii
Scope.....	i-iii
Related Documentation	i-iv
Revision Trail	i-v
Syntax Usage	i-vi
Chapter 1: Overview of ONStor Clustering	1-1
Introduction to ONStor Clustering	1-2
Understanding High Availability and Virtual Servers.....	1-2
Understanding Clusters and Failover.....	1-2
Understanding Clusters and Load Balancing.....	1-2
Understanding Clustering Configurations.....	1-2
The Primary Cluster Controller (PCC)	1-6
Primary Cluster Controller Election.....	1-6
Primary Cluster Controller in Runtime.....	1-6
The Cluster Database.....	1-8
Clusters and Time Sources.....	1-8
Chapter 2: Configuring Management Network Clusters	2-1
Configuring a Management Network Cluster.....	2-2
Creating a Management Network Cluster.....	2-2
Chapter 3: Configuring Hybrid Network Clusters	3-1
Configuring a Hybrid Network Cluster	3-2
Creating a Hybrid Network Cluster	3-2
Chapter 4: Configuring Direct-Connect Clusters.....	4-1
Configuring a Direct-Connect Cluster.....	4-2
Creating a Direct Connect Cluster	4-2
Chapter 5: Software Configuration	5-1
Connecting to the Node	5-2
Verify Node Firmware Installation.....	5-3
Configuring Name Resolution Through DNS	5-5

Configuration Tasks in the Management Virtual Server Context	5-6
Create Volumes on the Management Virtual Server	5-6
Create Interface and Route to the Management Virtual Server	5-8
Configuration Tasks for Virtual Servers.....	5-10
Create and Configure a Virtual Server for Data Storage	5-10
Add Virtual Server to Network Domain	5-11
Create Share Point for the Virtual Server	5-12
Configuration Tasks in the Management Virtual Server Domain Context	5-15
Create Volumes on the Management Virtual Server	5-15
Configuration of Additional Utilities.....	5-18
Event Monitoring and Report Service.....	5-18
AutoGrow.....	5-19
Snapshots.....	5-20

Chapter 6: Cluster Management Commands 6-1

Cluster Configuration Commands	6-2
Adding Nodes to a Cluster	6-2
Deleting Nodes from a Cluster.....	6-3
Committing Changes to a Cluster	6-3
Uncommitting Changes from the Cluster Database.....	6-3
Displaying the Cluster Configuration	6-4
Displaying Cluster Information.....	6-4
Adding a Node Group to a Cluster.....	6-5
Moving a Node Into or Out of a Group.....	6-6
Deleting a Node Group from a Cluster	6-6
Displaying a Node Group Configuration	6-7
Deleting a Cluster.....	6-7

Preface

This preface contains the front matter for the *EverON High Availability Configuration Guide for Cougar 3000 Series Clustered NAS* family of products. This preface contains the following sections:

- “Audience”
- “Scope”
- “Related Documentation”
- “Revision Trail”
- “Syntax Usage”