

# Overview

## Contents

<b>I</b>	<b>环境配置</b>	<b>2</b>
<b>1</b>	<b>虚拟机</b>	<b>2</b>
<b>2</b>	<b>VirtualBox+Centos7+GlusterFS</b>	<b>2</b>
2.1	基本概念 . . . . .	2
2.2	Installing GlusterFS on CentOS . . . . .	2
<b>II</b>	<b>GlusterFS 开发</b>	<b>3</b>
<b>3</b>	<b>Workflow</b>	<b>3</b>
<b>III</b>	<b>文献</b>	<b>3</b>
<b>4</b>	<b>GlusterFS</b>	<b>3</b>

## Part I

# 环境配置

## 1 虚拟机

### 1. VirtualBox Networking Configuration

- Network Address Translation.
- Bridged Network.
- Internal Network.
- Host-only Networking.
- Port-forwarding.

## 2 VirtualBox+Centos7+GlusterFS

### 2.1 基本概念

- **trusted pool**:hosts
- **node**:server
- **brick**:device(filesystem)
- **export**:mount path of the bricks on a server
- **Gluster Volumn(Global Namespace)**:collection of bricks
- **GNFS and kNFS**:GNFS=inline NFS server. kNFS=kernel NFS. NFS wiki
- **DNS setup**:????

### 2.2 Installing GlusterFS on CentOS

1. Step 1: nodes.
2. Step 2: Format and mount the bricks.
3. Step 3: Installing glusterFS.
4. Step 4: Configure iptables.
5. Step 5: Manage Trusted Storage Pool
6. Step 6: Set up a GlusterFS Volume.

## Part II

# GlusterFS 开发

官方开发文档

## 3 Workflow

Git

Gerrit

Code Review System.

## Part III

# 文献

## 4 GlusterFS