

一、BOSS 的基本介绍

BOSS 全称 Dell PowerEdge Boot Optimized Storage Solution，代替之前机型的 IDSDM 功能，专门设计于托管操作系统。

知识点：

1. BOSS 由一个独立的 PCIE 设备以及一个或两个 M.2 SATA SSD 组成，当前只支持 DELL 认证的 SATA SSD
2. BOSS 使用的是 Marvell 88SE9230 PCIe SATA 6Gb/s 控制器
3. 无法通过 IDRAC 管理 BOSS，需要安装 OMSA 进行管理包括配置和查看日志记录

二、BOSS 的外观及安装





三、配置与管理

1. BOSS 支持的操作系统：

- Windows 2016
- Windows 2012 R2
- RHEL 7.3
- RHEL 6.9
- SLES 12 SP2
- VMWare ESXi 6.0 U3
- VMWare ESXi 6.5

2. 阵列配置的操作步骤：

按 F2 进入 System Setup

Entering System Setup
F10 = Lifecycle Controller (Config
iDRAC, Update FW, Install OS)
F11 = Boot Manager
F12 = PXE Boot

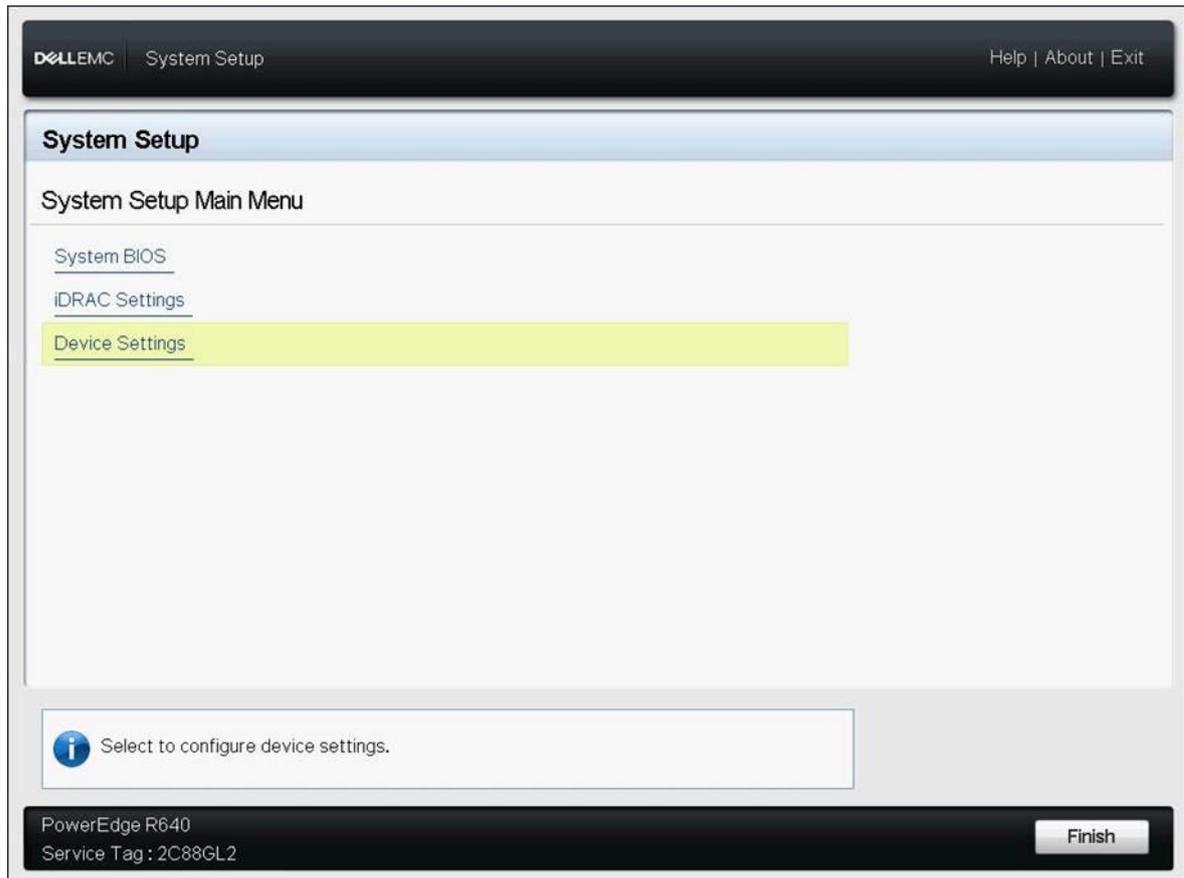
PowerEdge R640
BIOS Version: 1.2.71
iDRAC IP: 10.10.101.164

DELL EMC

Initializing Firmware Interfaces...



选择 Device Settings



选择 AHCI Controller in Slot 1: BOSS-S1 Configuration Utility

System Setup

Device Settings

Integrated RAID Controller 1: Dell PERC <PERC H740P Mini > Configuration Utility

Integrated NIC 1 Port 1: Broadcom Adv. Dual 10GBASE-T Ethernet - 00:0A:F7:B6:49:A0

Integrated NIC 1 Port 2: Broadcom Adv. Dual 10GBASE-T Ethernet - 00:0A:F7:B6:49:A1

Integrated NIC 1 Port 3: Broadcom Gigabit Ethernet BCM5720 - 00:0A:F7:B6:49:9E

Integrated NIC 1 Port 4: Broadcom Gigabit Ethernet BCM5720 - 00:0A:F7:B6:49:9F

AHCI Controller in Slot 1: BOSS-S1 Configuration Utility

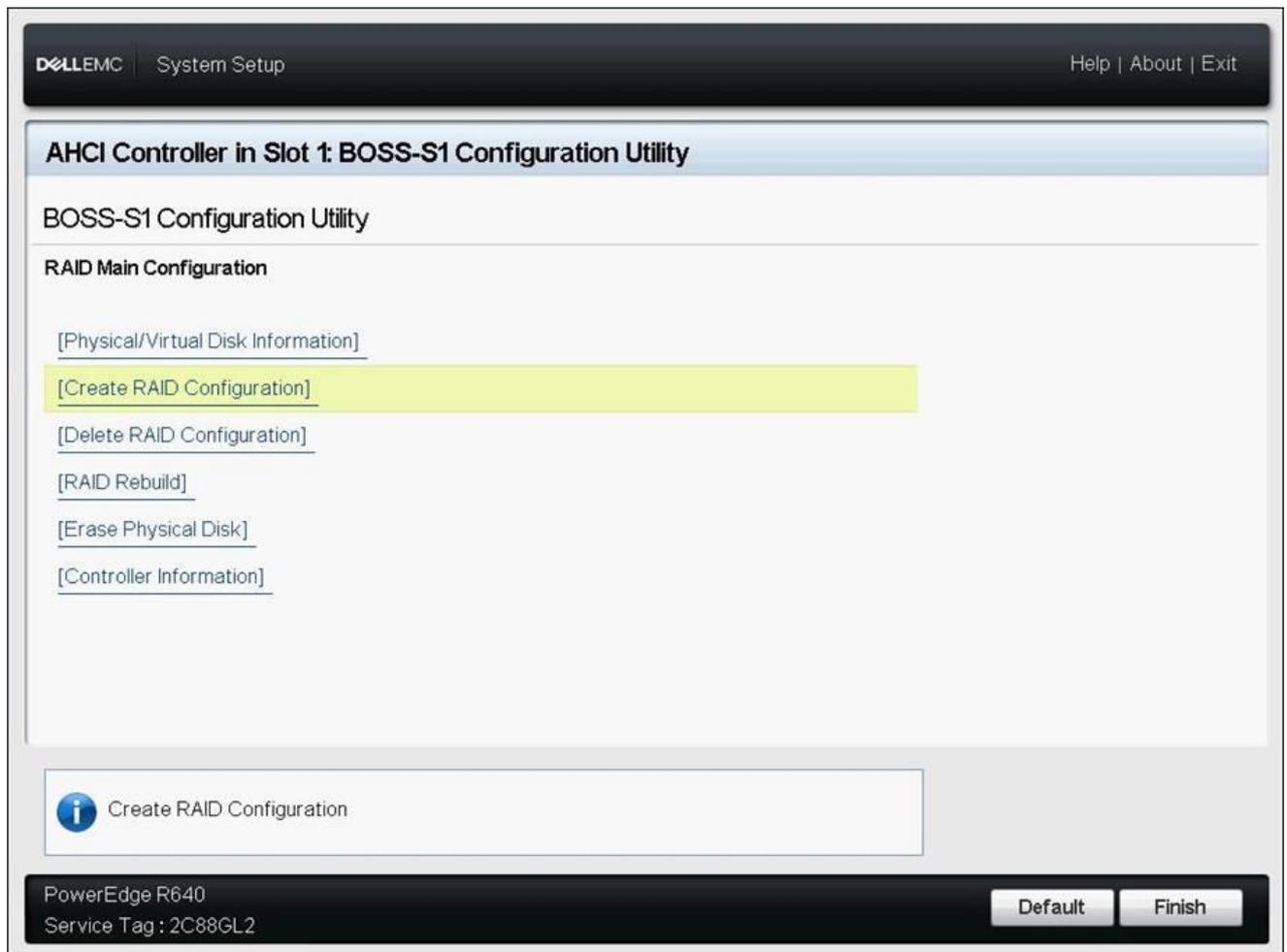
Please note: Only devices which conform to the Human Interface Infrastructure (HII) in the UEFI Specification are displayed in this menu.

 Manage BOSS-S1 Controller Configuration

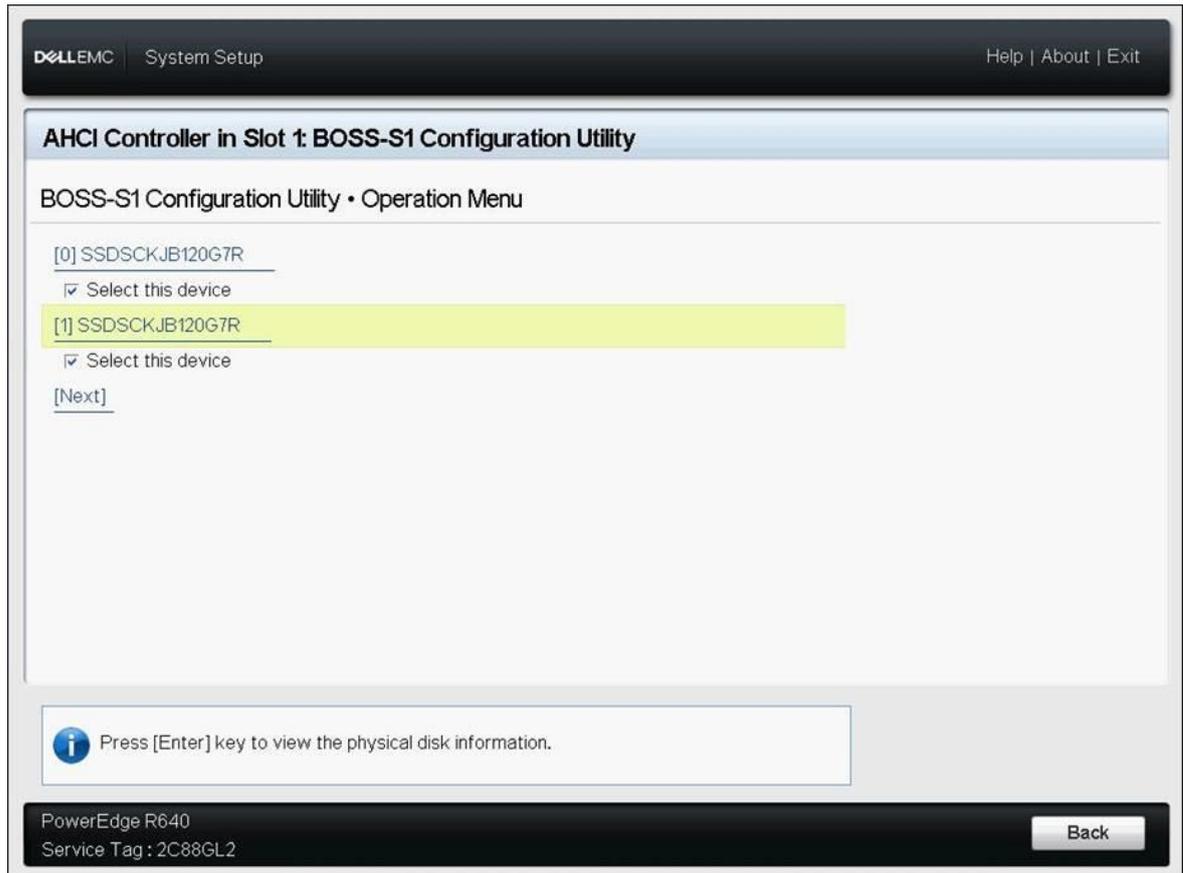
PowerEdge R640
Service Tag : 2C88GL2

Finish

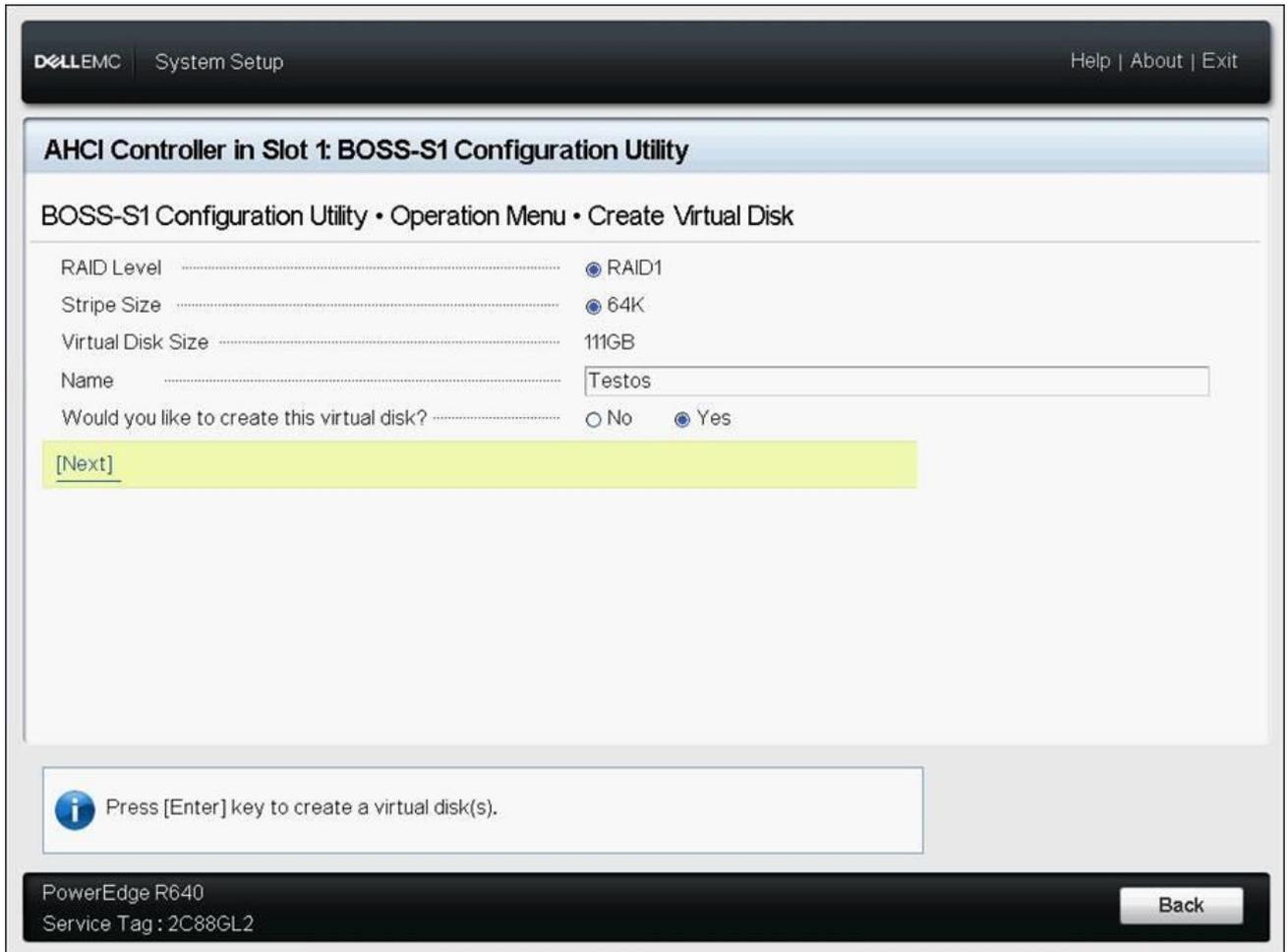
选择 Create RAID Configuration 创建阵列



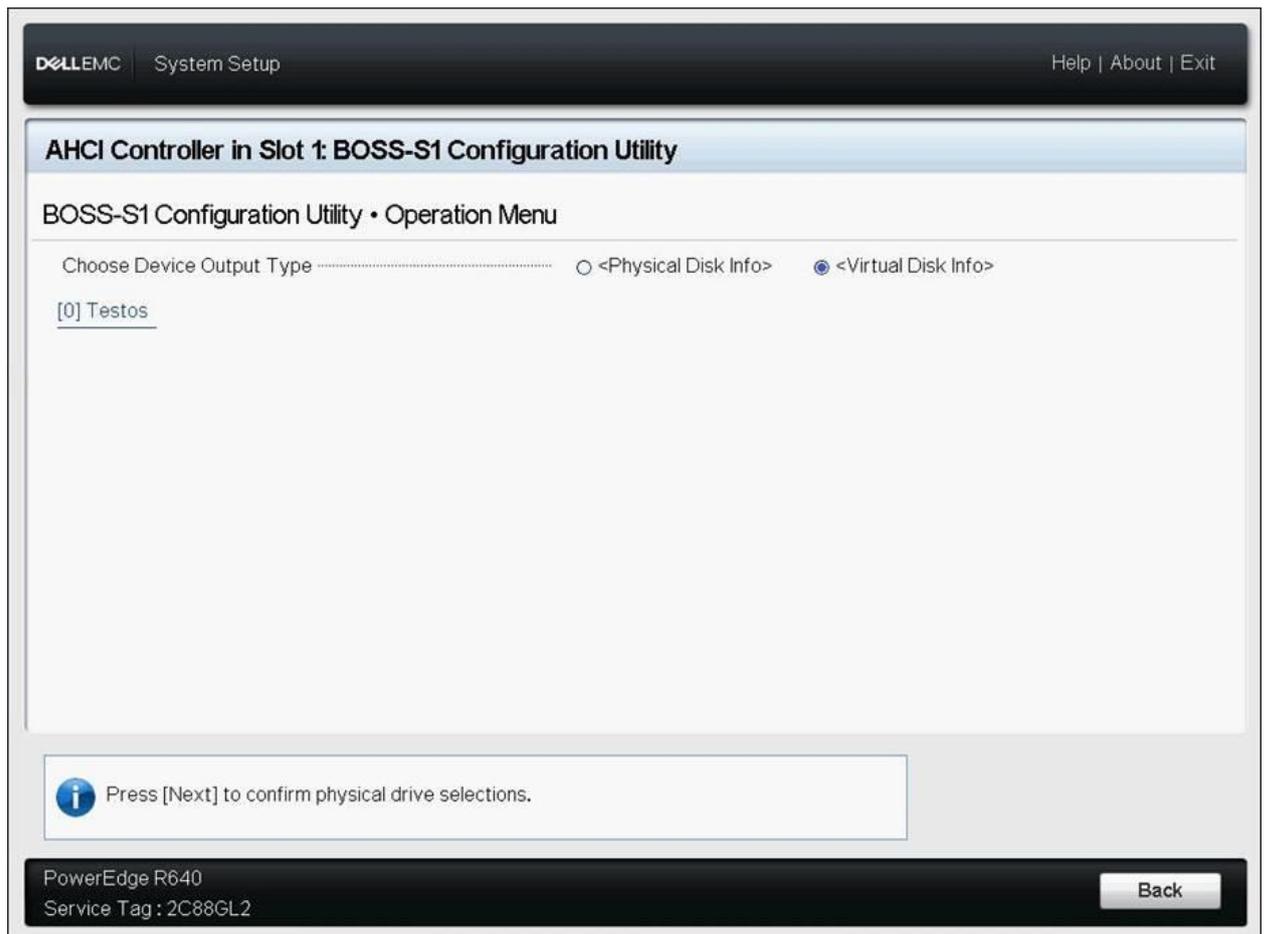
勾选两块 SSD SATA 硬盘后点 NEXT 继续



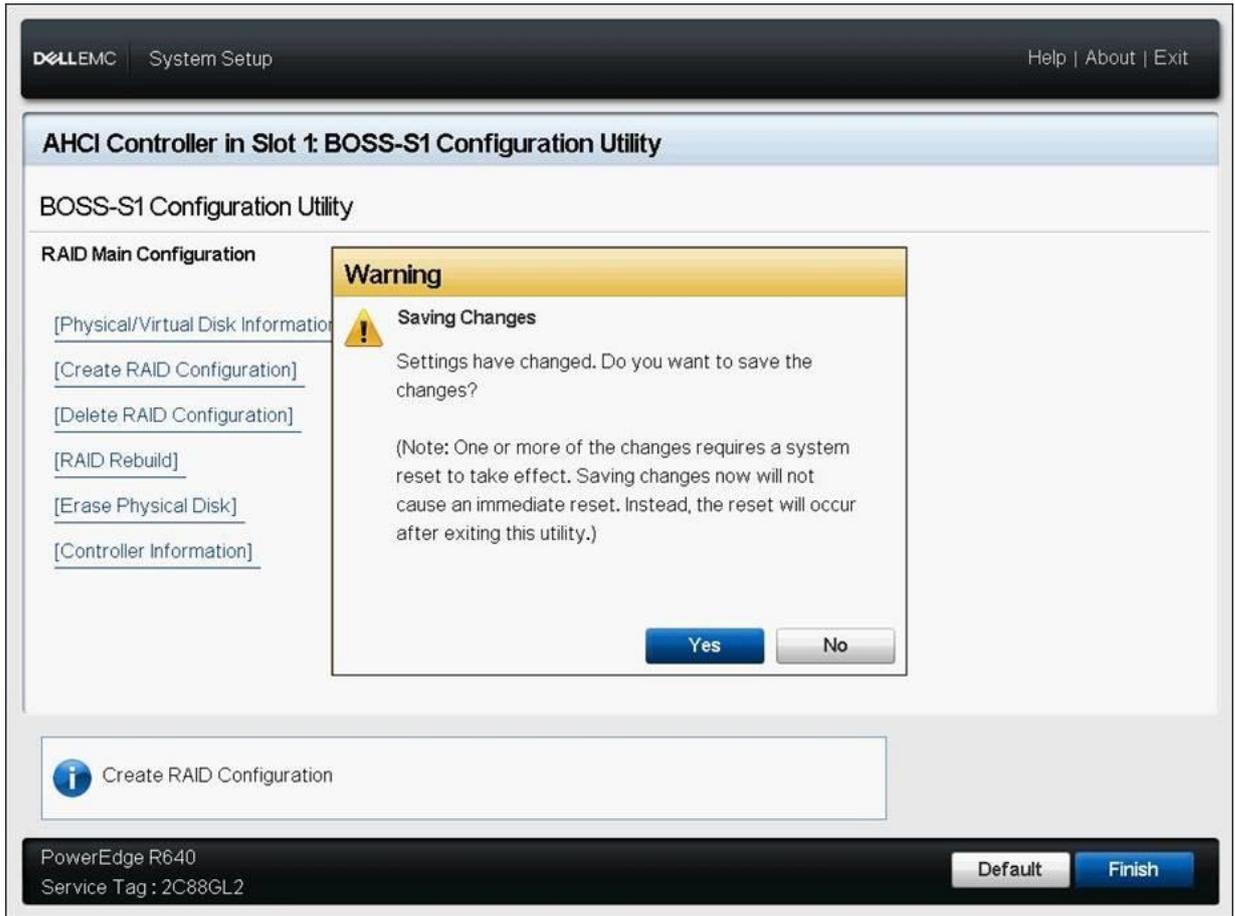
填写虚拟磁盘的名称后点 NEXT 继续



默认选择 Virtual Disk Info 后，点击 BACK 返回



先点击 FINISH 完成后，根据提示选择 SAVE 保存设置。



3. OMSA 下的 BOSS 管理界面

