

HPE Gen12 服务器

MR 系列阵列卡 iLO 下配置阵列

目录

一. 适用范围与注意事项	1
二. 配置准备	1
1. 连接 iLO 与启用远程控制台	2
三. 配置步骤	2
1. 访问 iLO 并启用远程控制台	2
2. 创建与删除阵列.....	2
2.1 创建阵列.....	2
2.2 删除阵列.....	5

一. 适用范围与注意事项

- 本文档旨在说明 HPE Gen12 系列服务器 MR 系列阵列卡在 iLO 下配置阵列的方法，并以 DL360 Gen12 服务器为例进行配置步骤说明。

MR 系列阵列卡包含如下型号：

- HPE MR416i-p Gen12
- HPE MR416i-o Gen12
- HPE MR216i-p Gen12
- HPE MR216i-o Gen12
- HPE MR408i-o Gen12
- HPE MR408i-p Gen12

- 实际情况是否适用本文档，请通过下面导航链接进行确认：

<https://zhiliaoh3c.com/Theme/details/218271>

- 提示：

本文档中的信息（包括产品，软件版本和设置参数）仅作参考示例，具体操作与目标需求设置请以实际为准。

本文档不定期更新维护，请以发布的最新版本为准。

二. 配置准备

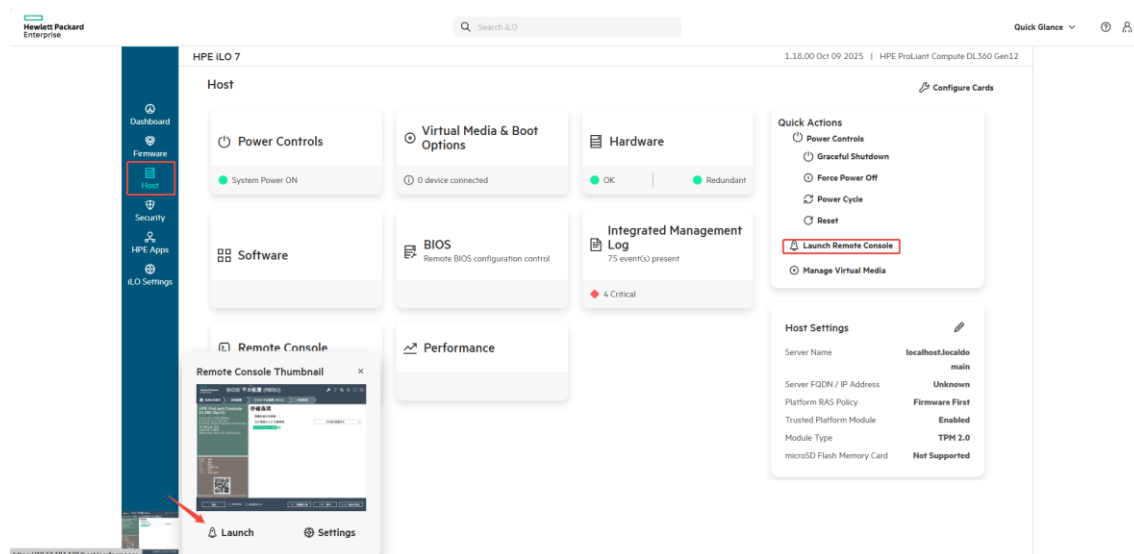
1. 连接 iLO 与启用远程控制台

具体方法请参考：<https://zhiliao.h3c.com/theme/details/233627>

三. 配置步骤

1. 访问 iLO 并启用远程控制台

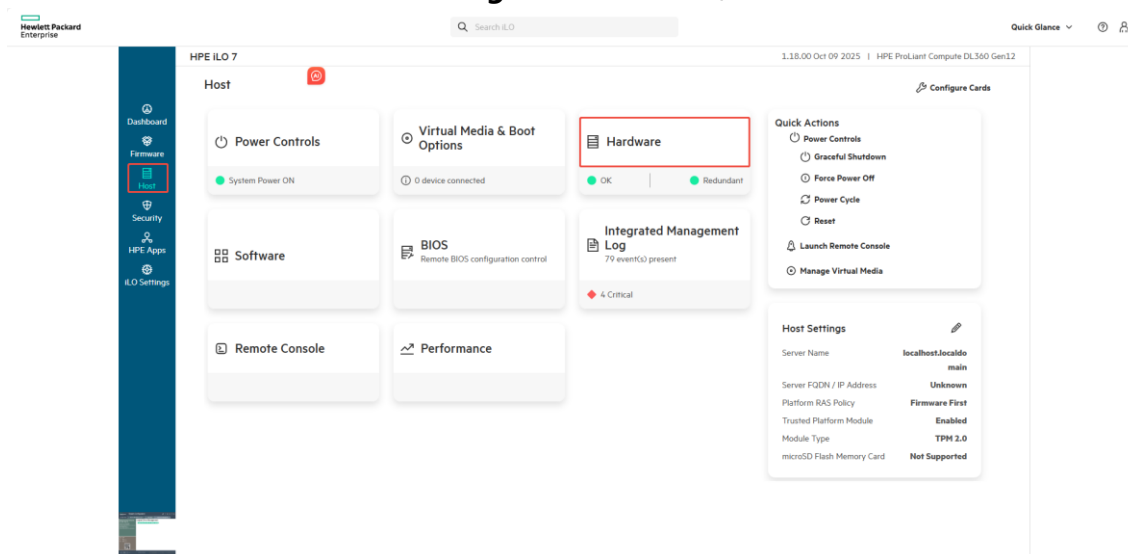
通过 iLO7 页面 **Dashboard - Virtual Media & Remote Console** 选项，或 **Host - Remote Console** 页面，或页面左下方 Remote Console 选区可直接启用远程控制台；也可在上方搜索栏直接搜索 Remote Console 进行选择。本文以 HTML5 远程控制台为例。

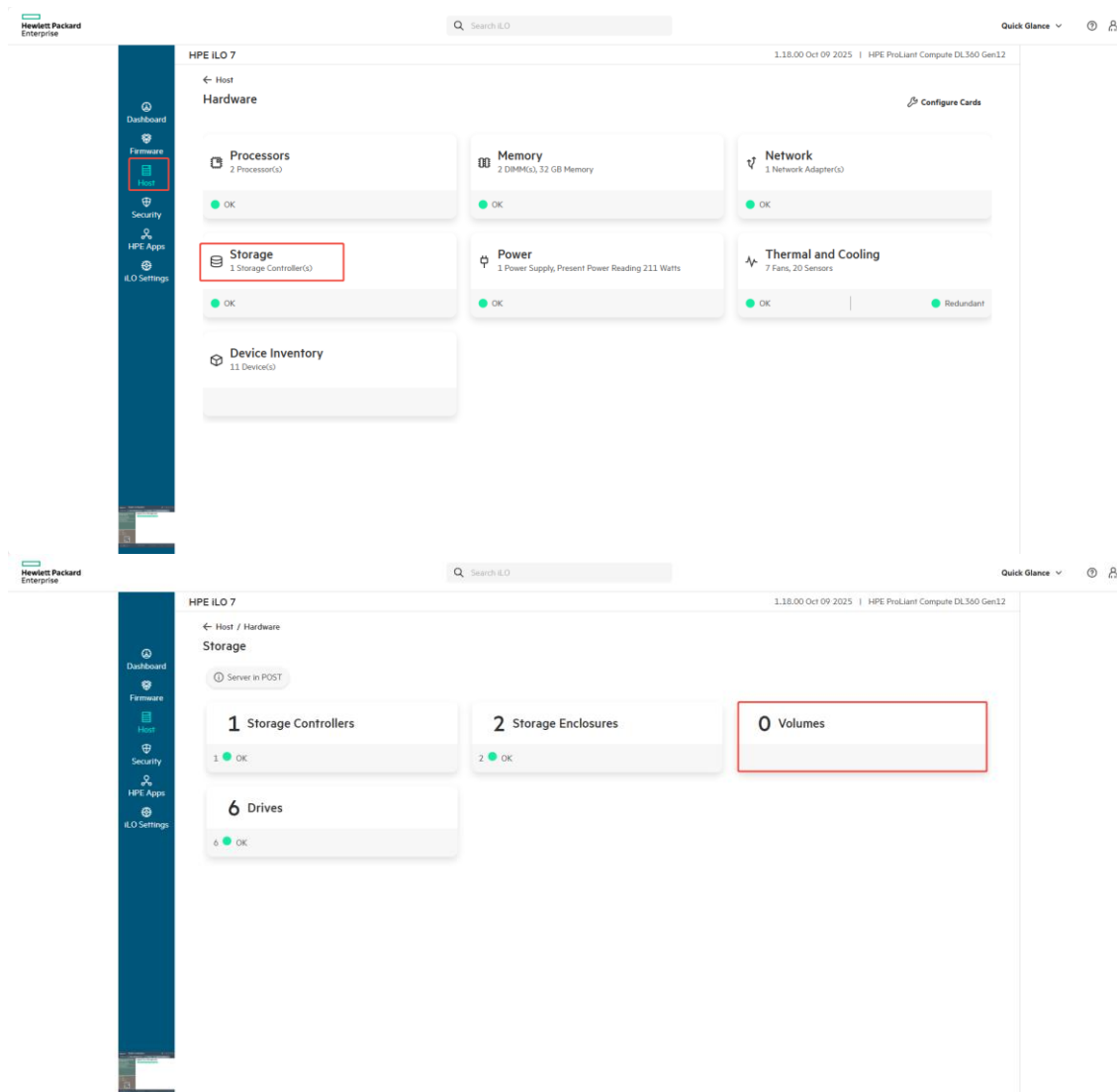


2. 创建与删除阵列

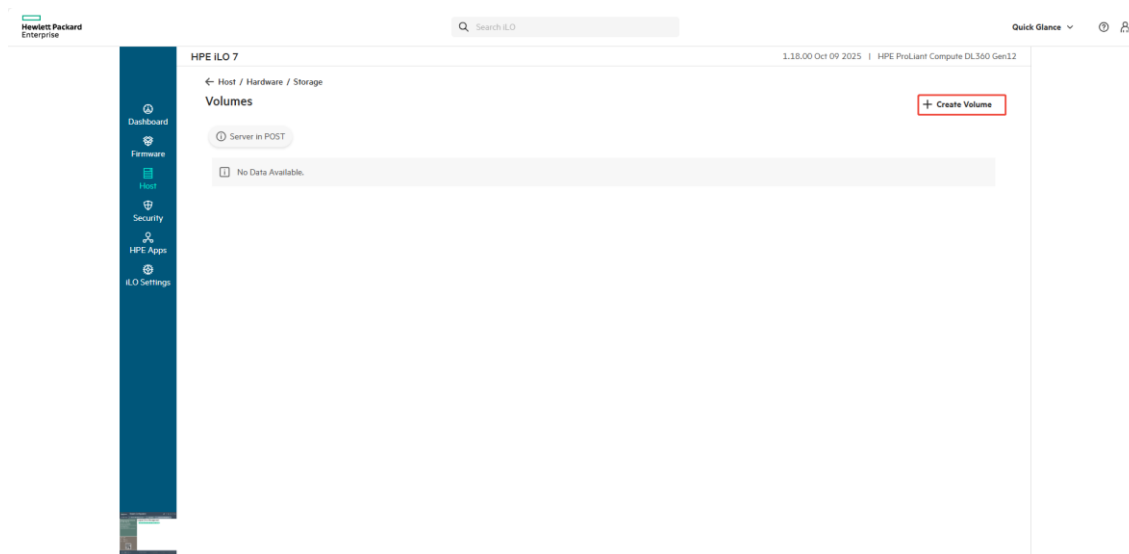
2.1 创建阵列

1) 在 iLO 的 **Host - Hardware - Storage - Volumes** 路径下。





2) 选择 **Create Volume**，开始创建阵列。



3) 先选择阵列级别，这里选择做 RAID5。然后选择硬盘，设置逻辑卷名称，容量大小等信息。

The screenshot shows the 'Create Volume' dialog box with the following settings:

- Storage Controllers*:** HPE MR416i-o Gen11 (Slot=14)
- Capacity Bytes:** Capacity Bytes
- RAID Type*:** RAID5 (highlighted with a red box)
- Strip Size Bytes:** (empty)
- Drives*:** 3 selected (highlighted with a red box)
- Read Cache Policy:** (empty)
- Write Cache Policy:** (empty)
- Initialize Method:** (empty)
- Media Span Count:** (empty)

The 'Drives' list shows three selected drives:

- ☒ 300GB 12.0G SAS HDD (Slot=14;Port=1;Box=1;Bay=1)
- ☒ 300GB 12.0G SAS HDD (Slot=14;Port=1;Box=1;Bay=3)
- ☒ 300GB 12.0G SAS HDD (Slot=14;Port=1;Box=1;Bay=2)

Other drives in the list are unselected:

- ☐ 1.60TB 64.0G NVMe SSD (Slot=14;Port=2;Box=2;Bay=2)
- ☐ 1.60TB 16.0G NVMe SSD (Slot=14;Port=1;Box=1;Bay=8)
- ☐ 1.60TB 16.0G NVMe SSD (Slot=14;Port=1;Box=1;Bay=7)

A warning message at the bottom states: "Create or delete volume will permanently delete all data on the associated drives. This operation may take some time to complete. During this period, the storage controller will be busy and additional storage operations will be temporarily unavailable. Are you sure you want to continue?"

注：若要创建 RAID10/RAID50/RAID60 等复合阵列，则需要单独填写 span 数量，过程如下。

以 RAID10 为例，4 块硬盘 RAID10，在 **Media Span Count** 下填写 2 span 数量，ILO 下无法手动分配 span，创建后会自动分配 span，如需手动分配，建议在 MRSA 或 BIOS 下配置。

The screenshot shows the 'Create Volume' dialog box with the following settings:

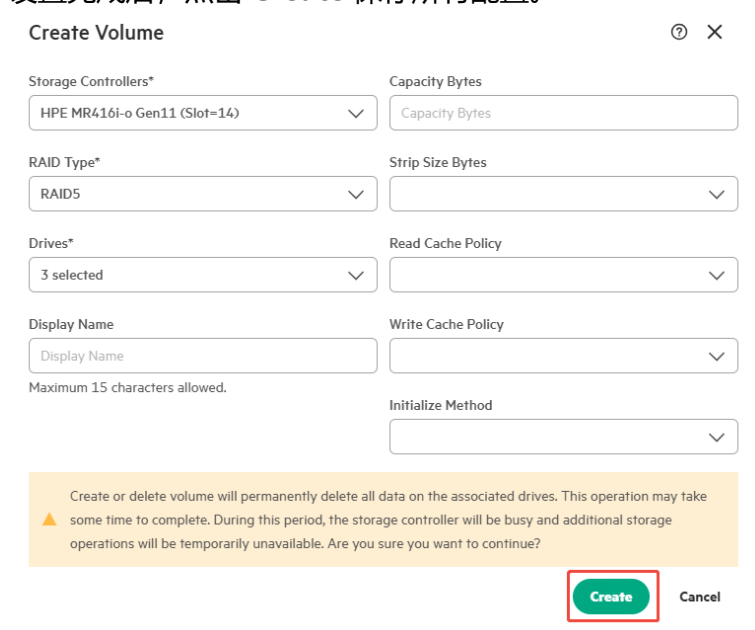
- Storage Controllers*:** HPE MR416i-o Gen11 (Slot=14)
- Capacity Bytes:** Capacity Bytes
- RAID Type*:** RAID10
- Strip Size Bytes:** (empty)
- Drives*:** 4 selected
- Read Cache Policy:** (empty)
- Write Cache Policy:** (empty)
- Initialize Method:** (empty)
- Media Span Count:** 2

A warning message at the bottom states: "Create or delete volume will permanently delete all data on the associated drives. This operation may take some time to complete. During this period, the storage controller will be busy and additional storage operations will be temporarily unavailable. Are you sure you want to continue?"

设置 Span 的说明：

- RAID 10 支持 2~8 个 Span, 每个 Span 支持的硬盘数为 2~16 (偶数), 且各个 Span 的硬盘数量必须保持一致。
- RAID 50 支持 2~8 个 Span, 每个 Span 支持的硬盘数为 3~32, 且各个 Span 的硬盘数量必须保持一致。
- RAID 60 支持 2~8 个 Span, 每个 Span 支持的硬盘数为 3~32, 且各个 Span 的硬盘数量必须保持一致。

4) 设置完成后, 点击 **Create** 保存所有配置。



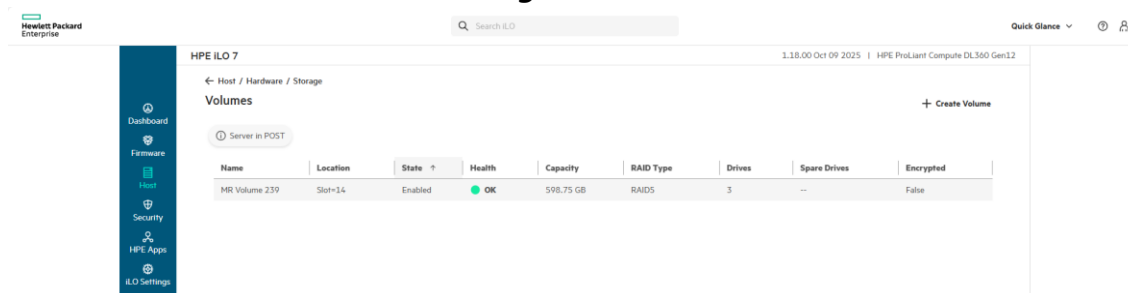
The 'Create Volume' interface includes the following fields:

- Storage Controllers*:** HPE MR416i-o Gen11 (Slot=14)
- Capacity Bytes:** Capacity Bytes
- RAID Type*:** RAID5
- Strip Size Bytes:** (empty)
- Drives*:** 3 selected
- Read Cache Policy:** (empty)
- Display Name:** Display Name
- Write Cache Policy:** (empty)
- Initialize Method:** (empty)

A warning message states: "Create or delete volume will permanently delete all data on the associated drives. This operation may take some time to complete. During this period, the storage controller will be busy and additional storage operations will be temporarily unavailable. Are you sure you want to continue?"

Buttons: **Create** (highlighted with a red box), **Cancel**

5) 进入 iLO 的 **Host - Hardware - Storage - Volumes** 路径下可以看到配置的阵列。

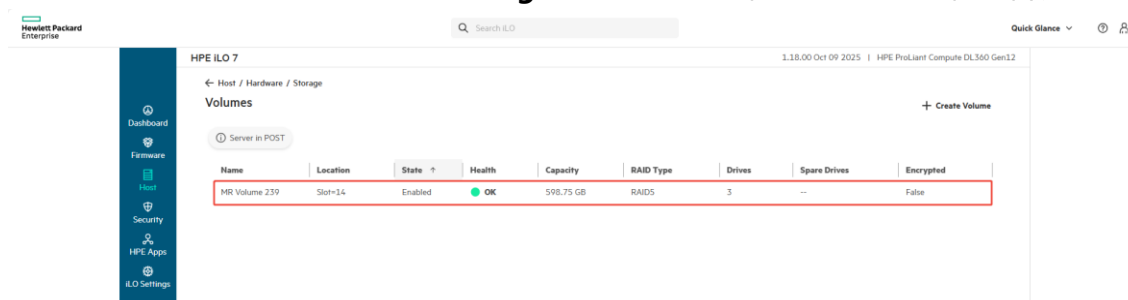


The screenshot shows the 'Volumes' page in the iLO interface. The table below lists the configured volumes:

Name	Location	State	Health	Capacity	RAID Type	Drives	Spare Drives	Encrypted
MR Volume 239	Slot=14	Enabled	OK	598.75 GB	RAID5	3	—	False

2.2 删除阵列

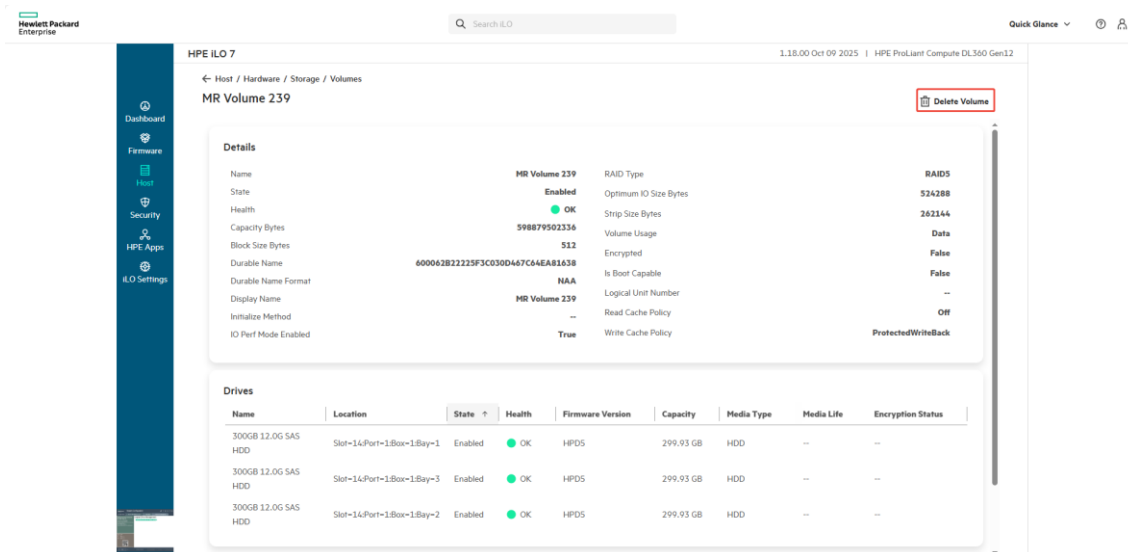
1) 进入 iLO 的 **Host - Hardware - Storage - Volumes** 路径下选择需要删除的阵列。



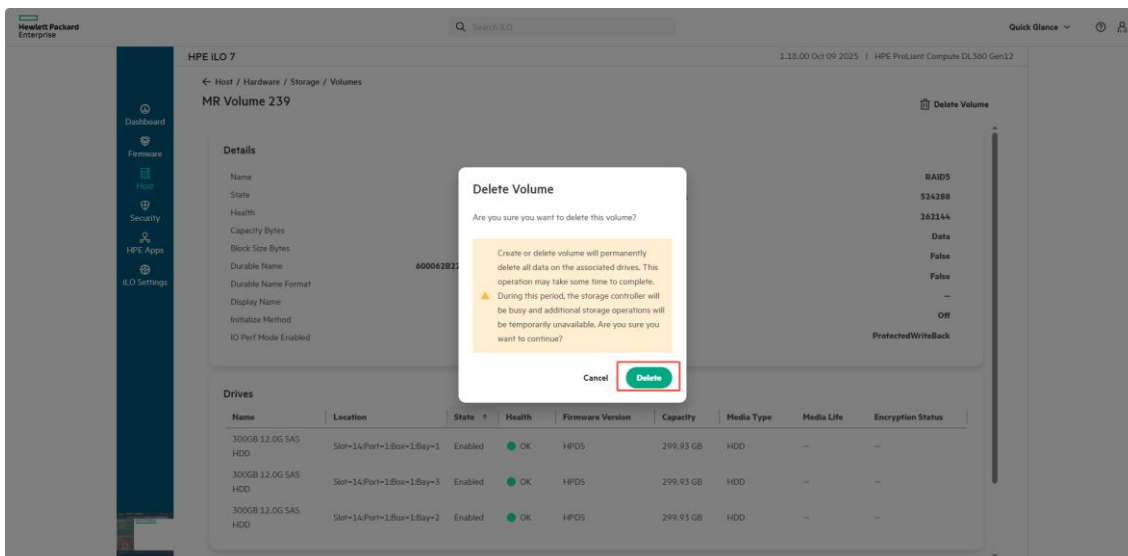
The screenshot shows the 'Volumes' page in the iLO interface. The table below lists the configured volumes, with the first row highlighted by a red box to indicate selection:

Name	Location	State	Health	Capacity	RAID Type	Drives	Spare Drives	Encrypted
MR Volume 239	Slot=14	Enabled	OK	598.75 GB	RAID5	3	—	False

2) 点击右上角 Delete Volume。



3) 点击 Delete。



4) 删除成功。

