

Preparing to **Certified OpenStack Administrator** Exam

Section 5 – Glance Image Management

Lecture 20. Image Management Summary and Review

Create a New, Public Image

Horizon - OpenStack Dashboard

Not secure | 10.0.0.11/horizon/admin/images

openstack admin

Project Admin System Overview Hypervisors Host Aggregates Instances Volumes Flavours **Images** Routers Floating IPs Defaults Metadata Definitions System Information Identity

Images

Click here for filters.

Owner Na

admin cir

sales-crm de

Displaying 2 Items

Format Size

W2 12.65 MB Launch

W2 12.65 MB Launch

Create Image

Image Details

Specify an image to upload to the Image Service.

Image Name* image-name

Image Description

Image Source

Source Type

File

File*

Browse... cirros-0.3.5-x86_64-disk.img

Format*

QCOW2 - QEMU Emulator

Image Requirements

Kernel

Choose an image

Ramdisk

Choose an image

Architecture

Minimum Disk (GB)

0

Minimum RAM (MB)

0

Image Sharing

Visibility

Public Private

Protected

Yes No

Cancel

Back

Create Image

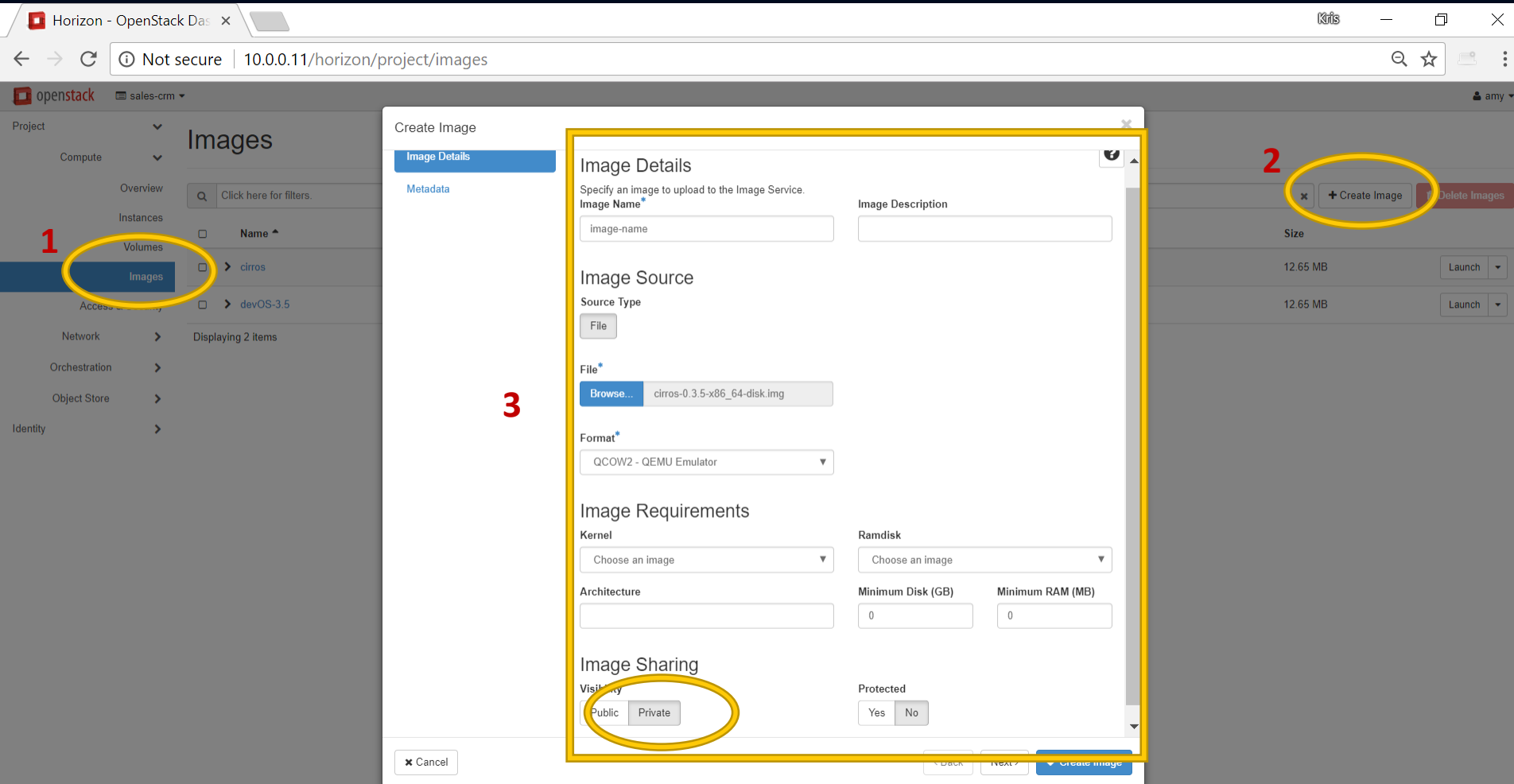
1

2

3

4

Create a New, Private Image



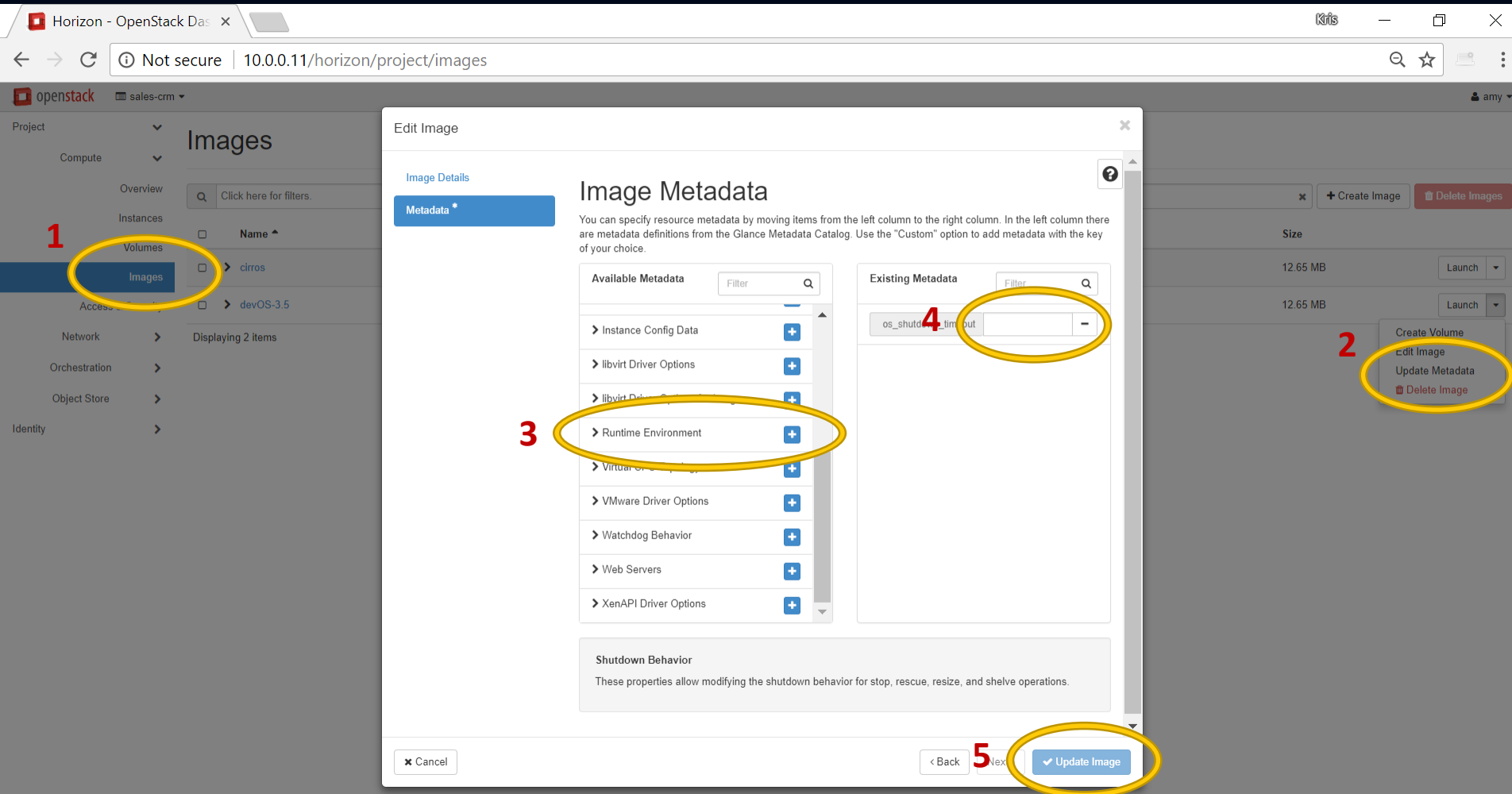
The screenshot shows the OpenStack Horizon interface with the 'Create Image' dialog box open. The dialog is divided into two tabs: 'Image Details' (active) and 'Metadata'. The 'Image Details' tab contains the following sections:

- Image Name:** A text input field with the placeholder 'image-name'.
- Image Description:** A text input field.
- Image Source:**
 - Source Type:** A dropdown menu with 'File' selected.
 - File:** A 'Browse...' button and a text input field containing 'cirros-0.3.5-x86_64-disk.img'.
 - Format:** A dropdown menu with 'QCOW2 - QEMU Emulator' selected.
- Image Requirements:**
 - Kernel:** A dropdown menu with 'Choose an image' selected.
 - Ramdisk:** A dropdown menu with 'Choose an image' selected.
 - Architecture:** A text input field.
 - Minimum Disk (GB):** A text input field with '0'.
 - Minimum RAM (MB):** A text input field with '0'.
- Image Sharing:**
 - Visibility:** Radio buttons for 'Public' and 'Private'. The 'Private' button is circled in yellow.
 - Protected:** Radio buttons for 'Yes' and 'No'.

Annotations on the screenshot:

- 1:** A red circle highlights the 'Images' link in the left sidebar.
- 2:** A red circle highlights the '+ Create Image' button in the top right of the main panel.
- 3:** A red circle highlights the 'Create Image' dialog box.

Update Image Metadata



Horizon - OpenStack Dashboard

10.0.0.11/horizon/project/images

openstack sales-crm

Project

Compute

Overview

Instances

Volumes

Images

Access

Network

Orchestration

Object Store

Identity

Displaying 2 Items

Image Details

Metadata

Image Metadata

You can specify resource metadata by moving items from the left column to the right column. In the left column there are metadata definitions from the Glance Metadata Catalog. Use the "Custom" option to add metadata with the key of your choice.

Available Metadata	Existing Metadata
<ul style="list-style-type: none">Instance Config Datalibvirt Driver Optionslibvirt Driver OptionsRuntime EnvironmentVirtual EnvironmentVMware Driver OptionsWatchdog BehaviorWeb ServersXenAPI Driver Options	<ul style="list-style-type: none">os_shutdown_timeout

Shutdown Behavior

These properties allow modifying the shutdown behavior for stop, rescue, resize, and shelve operations.

Cancel

Back Next

Update Image

2

Create Volume

Edit Image

Update Metadata

Delete Image

CLI Review

```
$ openstack image create --disk-format qcow2 \  
  --file <image-file> \  
  --public | --private \  
  image-name
```

```
$ openstack image list
```

```
$ openstack image show <image-name>
```

```
$ openstack image add project <image> <project>
```

```
$ openstack image set --property <key=value> <image>
```

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Thank you!