



Holo Toolkit 2.0 Deploy Console

Table of contents

Holo Toolkit 2.0 Deploy Console	3
Holodeck Holo-Console Deployment	3
Overview	3
Prerequisites	3
Deploy Holo-Console	3
Deploy Holo-Console	3

Holo Toolkit 2.0 Deploy Console

Holodeck Holo-Console Deployment

Overview

This section details the deployment of the Holo-Console for a Holodeck Toolkit environment.

Prerequisites

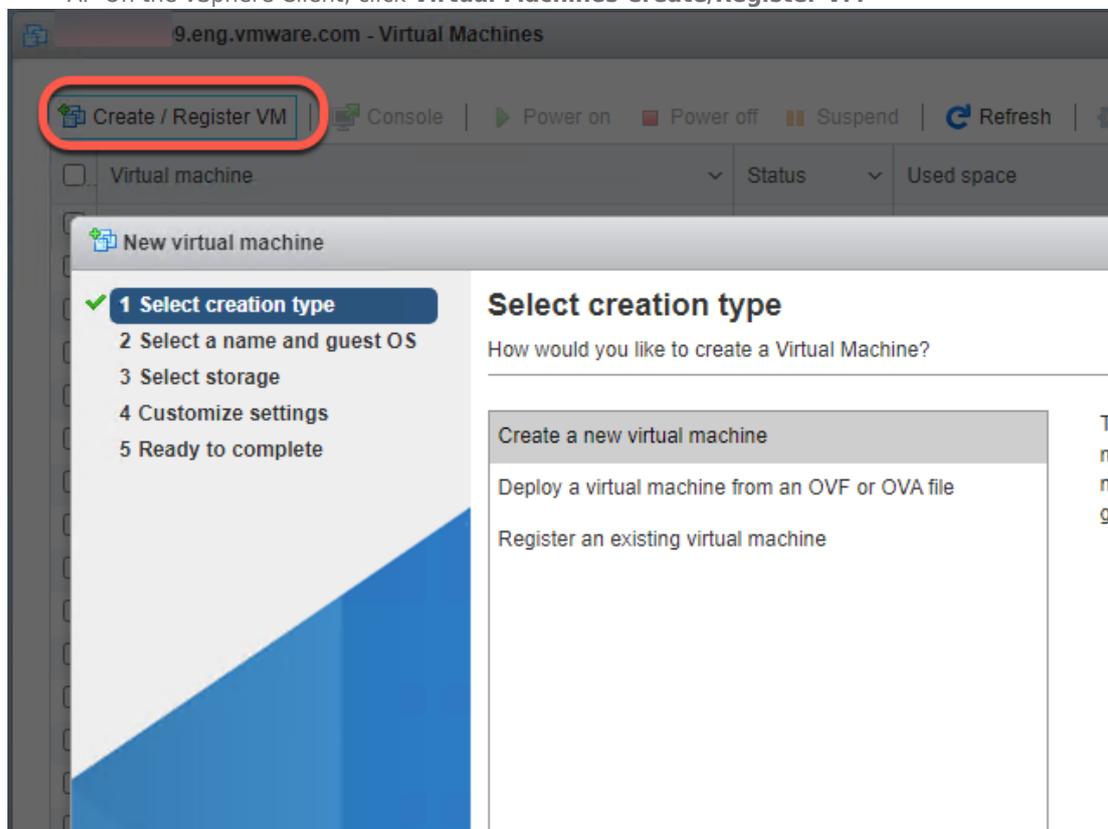
Holo-Console ISO has been created and staged to the ESXi host

Deploy Holo-Console

The following steps are performed to bring up a unique instance of Holo-Console. These instructions show the deployment of a Holo-Console called Holo-A-Console. As other Holo-Consoles may need to be deployed to support additional Holodeck pods, the names for the Holo-Console VMs will vary.

Deploy Holo-Console

- A. On the vSphere Client, click **Virtual Machines Create/Register VM**



- B. Select **Create a new virtual machine**
 C. Click **Next**
 D. Set VM Name. This example uses the name **Holo-A-Console**
 E. Set the Guest OS Family to **Windows** and the Guest OS Version to **Microsoft Windows Server 2019 (64-bit)**

New virtual machine - Holo-A-Console (ESXi 7.0 U2 virtual machine)

- ✓ 1 Select creation type
- 2 Select a name and guest OS**
- 3 Select storage
- 4 Customize settings
- 5 Ready to complete

Select a name and guest OS

Specify a unique name and OS

Name:

Virtual machine names can contain up to 80 characters and they must be unique within each ESXi instance.

Identifying the guest operating system here allows the wizard to provide the appropriate defaults for the operating system installation.

Compatibility:

Guest OS family:

Guest OS version:

Enable Windows Virtualization Based Security ⓘ

F. Click **Next**

G. Select a datastore with sufficient free space to host approximately 200GB available and click **Next**

New virtual machine - Holo-A-Console (ESXi 7.0 U2 virtual machine)

- ✓ 1 Select creation type
- ✓ 2 Select a name and guest OS
- 3 Select storage**
- 4 Customize settings
- 5 Ready to complete

Select storage

Select the storage type and datastore

Standard Persistent Memory

Select a datastore for the virtual machine's configuration files and all of its' virtual disks.

Name	Capacity	Free	Type	Thin pro...	Access
3.5T-NVME-1	3.49 TB	1.96 TB	VMFS6	Supported	Single
3.5T-NVME-2	3.49 TB	2.32 TB	VMFS6	Supported	Single
datastore1	95.5 GB	94.09 GB	VMFS6	Supported	Single
ds-1	894 GB	660.9 GB	VMFS6	Supported	Single
ds-2	931.25 GB	461.07 GB	VMFS6	Supported	Single

5 items

H. For the **Network Adapter 1** object, select the port group created earlier for the Holodeck pod. Each Holodeck pod would leverage a different port group and there is only one Holo-Console deployed in each pod.

This example shows the port group configured to use the VLC-A-PG port group.

- I. Expand the settings for the **Network Adapter 1** object.
- J. Put a checkmark for the **Status** to **Connect at power on**
- K. Set the Adapter Type to **VMXNET3**

New virtual machine - Holo-A-Console (ESXi 7.0 U2 virtual machine)

- ✓ 1 Select creation type
- ✓ 2 Select a name and guest OS
- ✓ 3 Select storage
- ✓ 4 **Customize settings**
- 5 Ready to complete

Customize settings

Configure the virtual machine hardware and virtual machine additional options

CPU	2	
Memory	4096	MB
Hard disk 1	90	GB
SCSI Controller 0	LSI Logic SAS	
SATA Controller 0		
USB controller 1	USB 3.1	
Network Adapter 1	VLC-A-PG	
Status	<input checked="" type="checkbox"/> Connect at power on	
Adapter Type	VMXNET 3	
MAC Address	Automatic	00:00:00:00:00:00

L. Select the dropdown selection for the CD/DVD Drive 1 object and select **Datastore ISO file**

New virtual machine - Holo-A-Console (ESXi 7.0 U2 virtual machine)

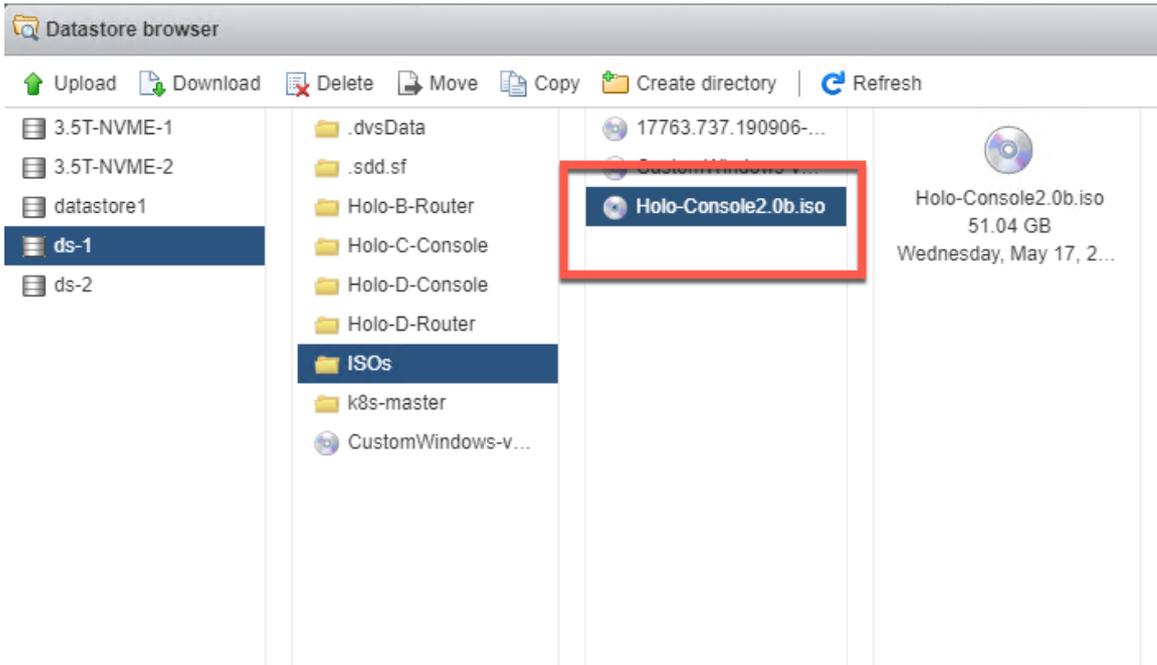
- ✓ 1 Select creation type
- ✓ 2 Select a name and guest OS
- ✓ 3 Select storage
- ✓ 4 **Customize settings**
- 5 Ready to complete

Customize settings

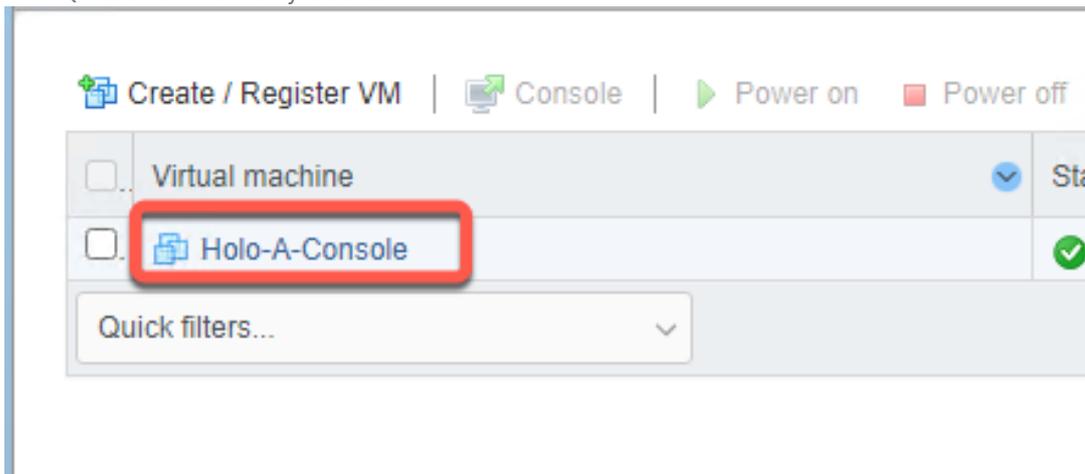
Configure the virtual machine hardware and virtual machine additional options

Hard disk 1	90	GB
SCSI Controller 0	LSI Logic SAS	
SATA Controller 0		
USB controller 1	USB 3.1	
Network Adapter 1	VLC-A-PG	
Status	<input checked="" type="checkbox"/> Connect at power on	
Adapter Type	VMXNET 3	
MAC Address	Automatic	00:00:00:00:00:00
CD/DVD Drive 1	Host device	
Video Card	Datastore ISO file	

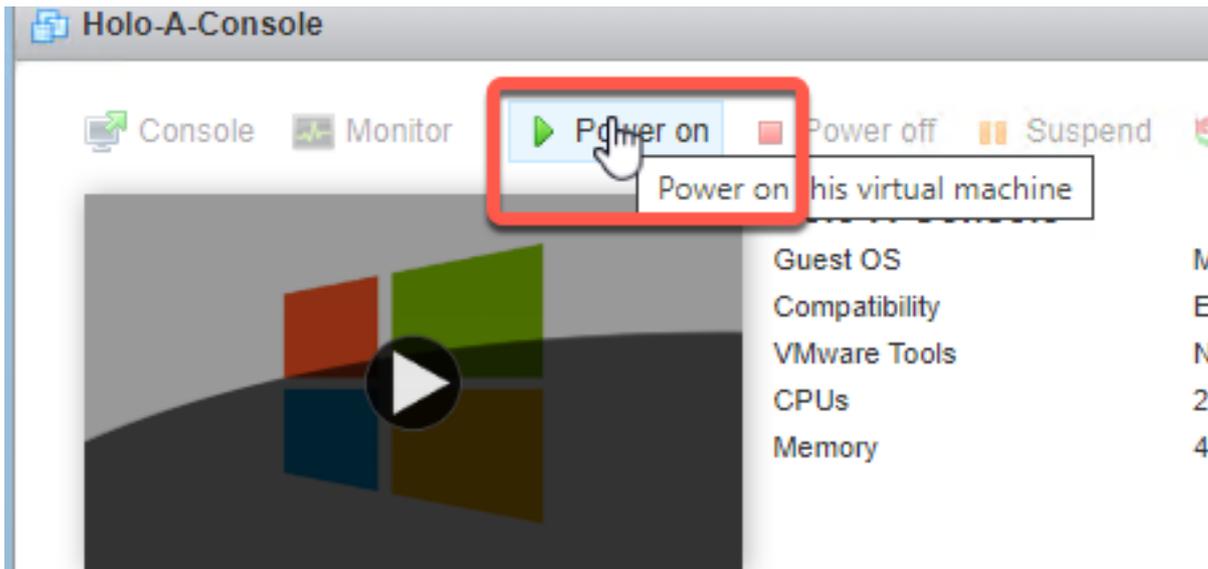
M. Select the Holo-Console.iso file uploaded earlier



- N. Put a checkmark for the **Status** to **Connect at power on**
- O. Click **Next** to go to the Ready to Complete page
- P. Click **Finish**
- Q. Click on the newly created VM



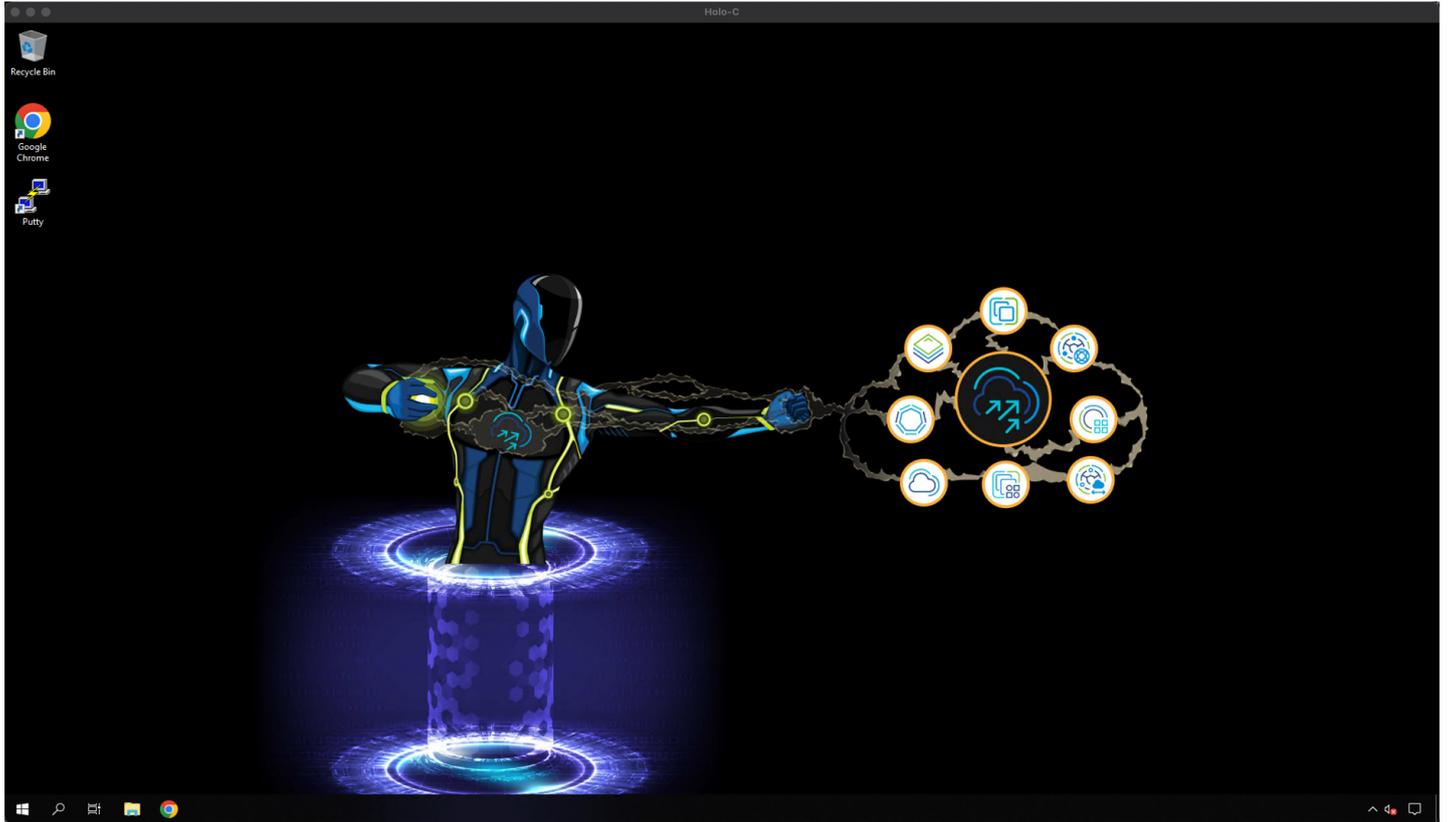
- R. Click **Power on**



- S. Click **Console** then **Open console in new window**
- T. The Holo-Console will be deployed and configured automatically. This takes about 30 minutes to complete. The console will reboot several times during setup.



- U. When finished, the Holo-Console desktop will look like this



V. Close the Holo-Console VM console window

