

Astra Linux VMware vSphere

:

-
-
-



:

- Astra Linux Special Edition .10015-01 (1.7), .10015-10, .10015-17
- Astra Linux Special Edition .10015-37 (7.7)
- Astra Linux Special Edition .10015-03 (7.6)
- Astra Linux Special Edition .10015-01 (1.6)
- Astra Linux Special Edition .10015-16 . 1
- Astra Linux Common Edition 2.12.



VMware, Inc.

<https://docs.vmware.com/en/VMware-vSphere/index.html>.



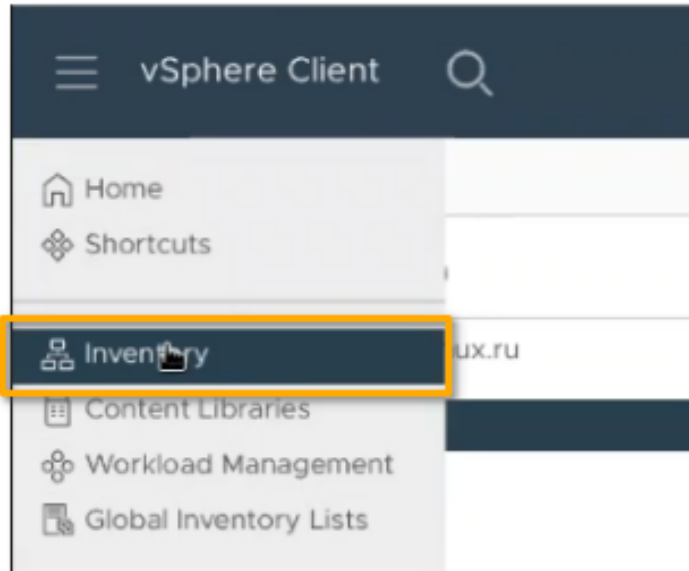
VMware vSphere.

, — , 0. , , .

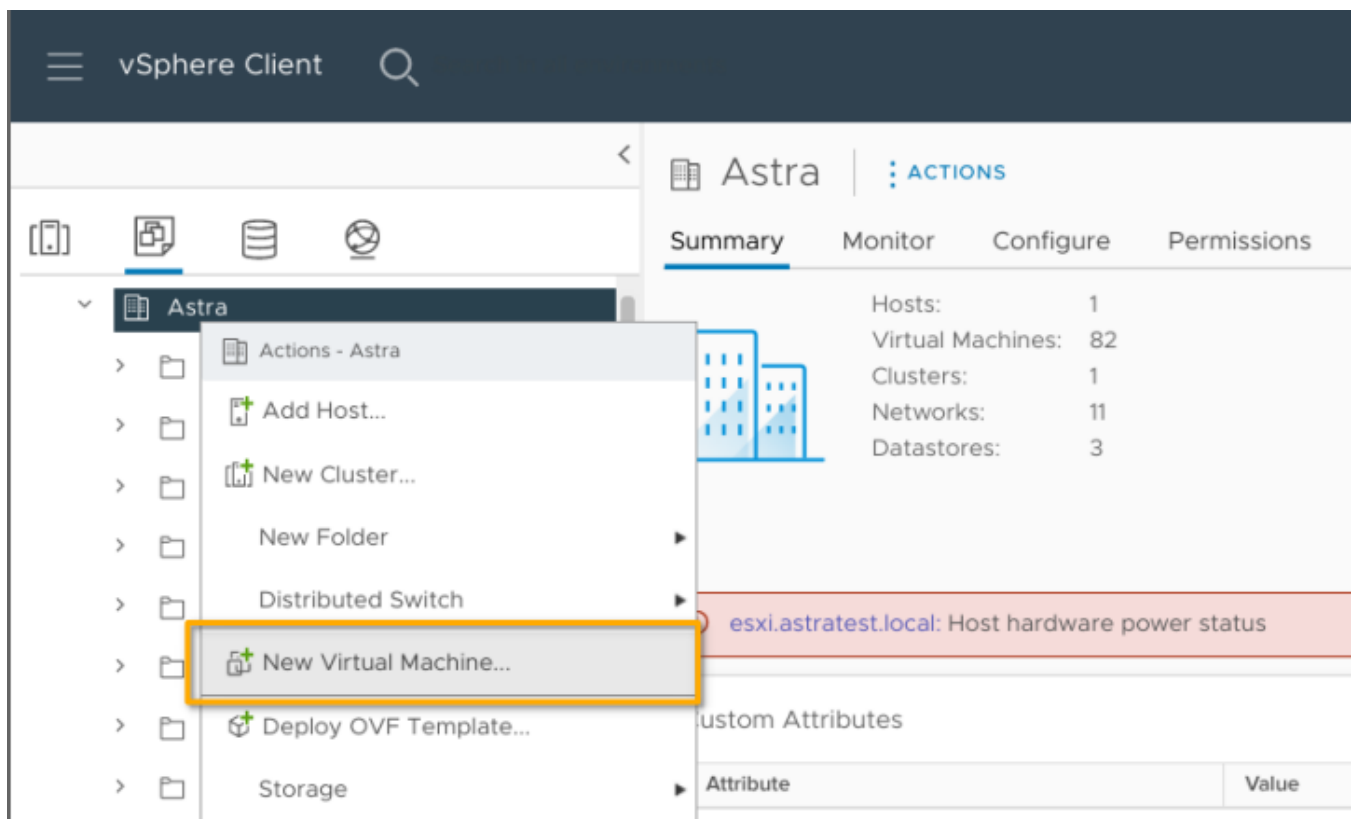
<https://www.vmware.com/products/vsphere.html>

https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-AE8AFBF1-75D1-4172-988C-378C35C9FAF2.html

web- vSphere Client, **Inventory**.



- , , , , , () New Virtual Machine.



New Virtual Machine 1 Select a creation type Create a new virtual machine Next.

New Virtual Machine

1 Select a creation type
2 Select a name and folder
3 Select a compute resource
4 Select storage
5 Select compatibility
6 Select a guest OS
7 Customize hardware
8 Ready to complete

1

How would you like to create a virtual machine?

Create a new virtual machine

Deploy from template

Clone an existing virtual machine

Clone virtual machine to template

Clone template to template

Convert template to virtual machine

This option guides you through creating a new virtual machine. You will be able to customize processors, memory, network connections, and storage. You will need to install a guest operating system after creation.

2

CANCEL

BACK

NEXT

2 Select a name and folder , Next. , , .

New Virtual Machine

×

✓ 1 Select a creation type

2 Select a name and folder

3 Select a compute resource

4 Select storage

5 Select compatibility

6 Select a guest OS

7 Customize hardware

8 Ready to complete

Select a name and folder

Specify a unique name and target location

Virtual machine name:

install-test

Select a location for the virtual machine.

vcsa01.stand01.astralinux.ru

Astra

CANCEL

BACK

NEXT

3 Select a compute resource (, vApp), Next. , Compatibility .

New Virtual Machine

×

✓ 1 Select a creation type

✓ 2 Select a name and folder

3 Select a compute resource

4 Select storage

5 Select compatibility

6 Select a guest OS

7 Customize hardware

8 Ready to complete

Select a compute resource

Select the destination compute resource for this operation

Astra

Stand01

esxi.astratest.local

Compatibility

✓ Compatibility checks succeeded.

CANCEL

BACK

NEXT

4 Select storage :

- ,
- (VM storage type, – Standard)

- (VM Storage Policy, – Datastore Default).

Next.

1 Select a creation type

2 Select a name and folder

3 Select a compute resource

4 Select storage

5 Select compatibility

6 Select a guest OS

7 Customize hardware

8 Ready to complete

Select storage

Select the storage for the configuration and disk files

VM storage typeStandard

Encrypt this virtual machine (Requires Key Management Server)

VM Storage PolicyDatastore Default

☐ Disable Storage DRS for this virtual machine

Name	Storage Compatibility	Capacity	Provisioned	Free	Type	Cluster	Storage DRS
storage	--	10.79 TB	0	7.69 TB	VMFS 6		

Compatibility

Compatibility checks succeeded.

CANCELBACKNEXT

5 Select compatibility Next. , ESXi.

1 Select a creation type

2 Select a name and folder

3 Select a compute resource

4 Select storage

5 Select compatibility

6 Select a guest OS

7 Customize hardware

8 Ready to complete

Select compatibility

Select compatibility for this virtual machine depending on the hosts in your environment

The host or cluster supports more than one VMware virtual machine version. Select a compatibility for the virtual machine.

Compatible with: ESXi 7.0 U2 and later

This virtual machine is compatible with ESXi 7.0 U2 and later, which provides the best performance and latest features available in ESXi 7.0 U2.

ESXi 7.0 U2 and later

CANCELBACKNEXT

6 Select a guest OS :

- (Guest OS Family) – Linux
- (Guest OS Version) – Other 4.x or later Linux (64-bit) Other 5.x or later Linux (64-bit).

Next.

New Virtual Machine

1 Select a creation type

2 Select a name and folder

3 Select a compute resource

4 Select storage

5 Select compatibility

6 Select a guest OS

7 Customize hardware

8 Ready to complete

Select a guest OS

Choose the guest OS that will be installed on the virtual machine

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

Guest OS Family: Linux

Guest OS Version: Amazon Linux 2 (64-bit)

Amazon Linux 2 (64-bit)

Asianux 3 (64-bit)

Asianux 3 (32-bit)

Red Hat Fedora (64-bit)

Red Hat Fedora (32-bit)

Oracle Linux 8 (64-bit)

Oracle Linux 7 (64-bit)

Oracle Linux 6 (64-bit)

Oracle Linux 6 (32-bit)

Oracle Linux 4/5 (64-bit)

Oracle Linux 4/5 (32-bit)

Ubuntu Linux (64-bit)

Ubuntu Linux (32-bit)

Other 5.x or later Linux (64-bit)

Other 5.x or later Linux (32-bit)

Other 4.x Linux (64-bit)

Other 4.x Linux (32-bit)

Other 3.x Linux (64-bit)

Other 3.x Linux (32-bit)

Other 2.6.x Linux (64-bit)

Other 2.6.x Linux (32-bit)

Compatibility: ESXi 7.0 U2 and later (Version 19)

CANCEL

BACK

NEXT



(firmware)

7 Customize hardware



- CPU –
- Memory –
- New Hard disk* –
- New SCSI controller* – , SCSI, SATA NVMe. , CD/DVD-ROM SCSI ,
- New Network* – vSphere
- New CD/DVD Drive* – , (Datastore ISO File, Select File). Connect At Power On, CD-Rom

New Virtual Machine

1 Select a creation type
2 Select a name and folder
3 Select a compute resource
4 Select storage
5 Select compatibility
6 Select a guest OS
7 Customize hardware
8 Ready to complete

Customize hardware
Configure the virtual machine hardware

Virtual Hardware VM Options

ADD NEW DEVICE

> CPU * 2

> Memory * 2 GB

> New Hard disk * 16 GB

> New SCSI controller * VMware Paravirtual

> New Network * VM Network ☒ Connect...

> New CD/DVD Drive * Client Device ☐ Connect...

> Video card * Datastore ISO File

> Security Devices Not Configured

VMCI device

> Other Additional Hardware

CANCEL BACK NEXT

Select File

Datastores	Contents	Information
> horizon-orel-5.10-2.4.43-vm1	1.7.0-29.03.2021_07.02.iso	Name: orel-current-2-12-43.iso
> horizon-orel-atakin	alse-1.7-packer-netinst.iso	Size: 4.35 GB
> horizon-orel-atodinov	orel-current-2-12-43.iso	Modified: 11/08/2021, 11:20:30 AM
> horizon-orel-support2	orel-current.iso	Encrypted: No
> horizon-orel-template	orel-current_18_01_21.iso	
> horizon-orel-vtkhonov	smolensk-1.6-20.06.2018_15.56.iso	
> ISO	ubuntu-16.04.7-desktop-amd64.iso	
> Orel-2-12-41-Horizon	ubuntu-18.04.5-desktop-amd64.iso	
> Orel-2-12-42-Clear	ubuntu-20.04.3-desktop-amd64.iso	
> Orel-2-12-42-clear-uefi-secureb...	VMware-vCenter-Server-Appliance-7.0.2.00200-17958471-patch-FP.iso	
> Orel-2-12-42-test	VMware-vCenter-Server-Appliance-7.0.2.00500-18455184-patch-FP.iso	
> Orel-2.12.40	Win10_21H1_Russian_x64.iso	
> Orel-Horizon-SUP2239		
> Orel-New		

File Type: ISO Image (*.iso)

CANCEL OK

> New Network * VM Network ☒ Connect...

> New CD/DVD Drive * Datastore ISO File

Status ☒ Connect At Power On

- Video Card* –
- Security Devices –
- Other –

- General Options –

-
-
-
-

- VMware Remote Console Options –
- Encryption –
- Power management –
- VMware Tools – VMware Tools. VMware Tools,

- **Boot Options** – . Firmware EFI. Secure Boot , .. FPP (Full Product Package) Astra Linux Common Edition 2.12..

New Virtual Machine

✓ 1 Select a creation type

✓ 2 Select a name and folder

✓ 3 Select a compute resource

✓ 4 Select storage

✓ 5 Select compatibility

✓ 6 Select a guest OS

7 Customize hardware

8 Ready to complete

Synchronize Time with Host ⓘ

☒ Synchronize at startup and resume (recommended)
☐ Synchronize time periodically

Run VMware Tools Scripts

☒ After powering on
☒ After resuming
☒ Before suspending
☒ Before shutting down guest

▼ Boot Options

Firmware

EFI (recommended) ▼

☐ Enabled

Secure Boot

☐ Enabled

Boot Delay

When powering on or resetting, delay boot order by
0 milliseconds

Force EFI setup

☐ During the next boot, force entry into the EFI setup screen

Failed Boot Recovery

☐ If the VM fails to find boot device, automatically retry after
10 seconds

> Advanced

Expand for advanced settings

> Fibre Channel NPIV

Expand for Fibre Channel NPIV settings

CANCEL

BACK

NE

- **Advanced** – :
 -
 -
 -
 -

- **Fiber Channen NPIV** – (WWN)



vSphere . , . – .

Next.

8 Ready to complete Finish. .

web- vSphere Client , Power On . Power Status Powered On.

install-test qweqwe !@)(*#&!)(*#&!)#

ACTIONS

Summary

Monitor

Configure

Permissions

Datastores

Power On

Tags

Snapshots

Updates

Guest OS

ACTIONS

Powered Off

LAUNCH REMOTE CONSOLE

LAUNCH WEB CONSOLE

Power Status

Powered Off

Guest OS

Other 5.x or later Linux (64-bit)

VMware Tools

Not running, not installed

DNS Name

IP Addresses

Encryption

Not encrypted

Capacity and Usage

Last updated at 4:20 PM

CPU

0 MHz used

2 CPUs allocated

Memory

0 MB used

2 GB allocated

Storage

16 GB used

19.69 GB allocated

VIEW STATS

VM Hardware

CPU

2 CPU(s), 0 MHz used

Related Objects

Cluster

Tags



Launch Console.

(pdf- -).

Astra Linux Common Edition 2.12. -.

GNU GRUB version 2.02~beta3-5+deb9u2astra7

```
*Установка ОС (Русский язык)
Графическая установка ОС (Русский язык)
Режим восстановления (Русский язык)
Install (English language)
Graphical install (English language)
Rescue mode (English language)
```



Use the ↑ and ↓ keys to select which entry is highlighted.
Press enter to boot the selected OS, 'e' to edit the commands before booting or 'c'
for a command-line.

VMware Tools, . VMware open-vm-tools , , esxi vsphere . :

- Astra Linux Special Edition x.7 4.7 x.7.4 ;
- Astra Linux Special Edition 1.6 [20210611SE16 \(7\)](#);
- Astra Linux Common Edition 2.12.43 .

[synaptic](#) :

```
apt install open-vm-tools open-vm-tools-desktop
```

VMware Tools **Running** VMware Tools.

Guest OS

ACTIONS ▾



LAUNCH REMOTE CONSOLE



LAUNCH WEB CONSOLE

Power Status



Powered On

Guest OS



Other 5.x or later Linux (64-bit)

VMware Tools

Running, version:11360 (Guest Managed)



DNS Name (1)

samba

IP Addresses (2)

192.168.56.12
fe80::250:56ff:fe81:a10b

Encryption

Not encrypted

Capacity and Usage



Last updated at 4:32 PM

CPU

0 MHz used

4 CPUs
allocated

Memory

40 MB used

4 GB
allocated

Storage

33.38 GB used

33.38 GB
allocated

[VIEW STATS](#)