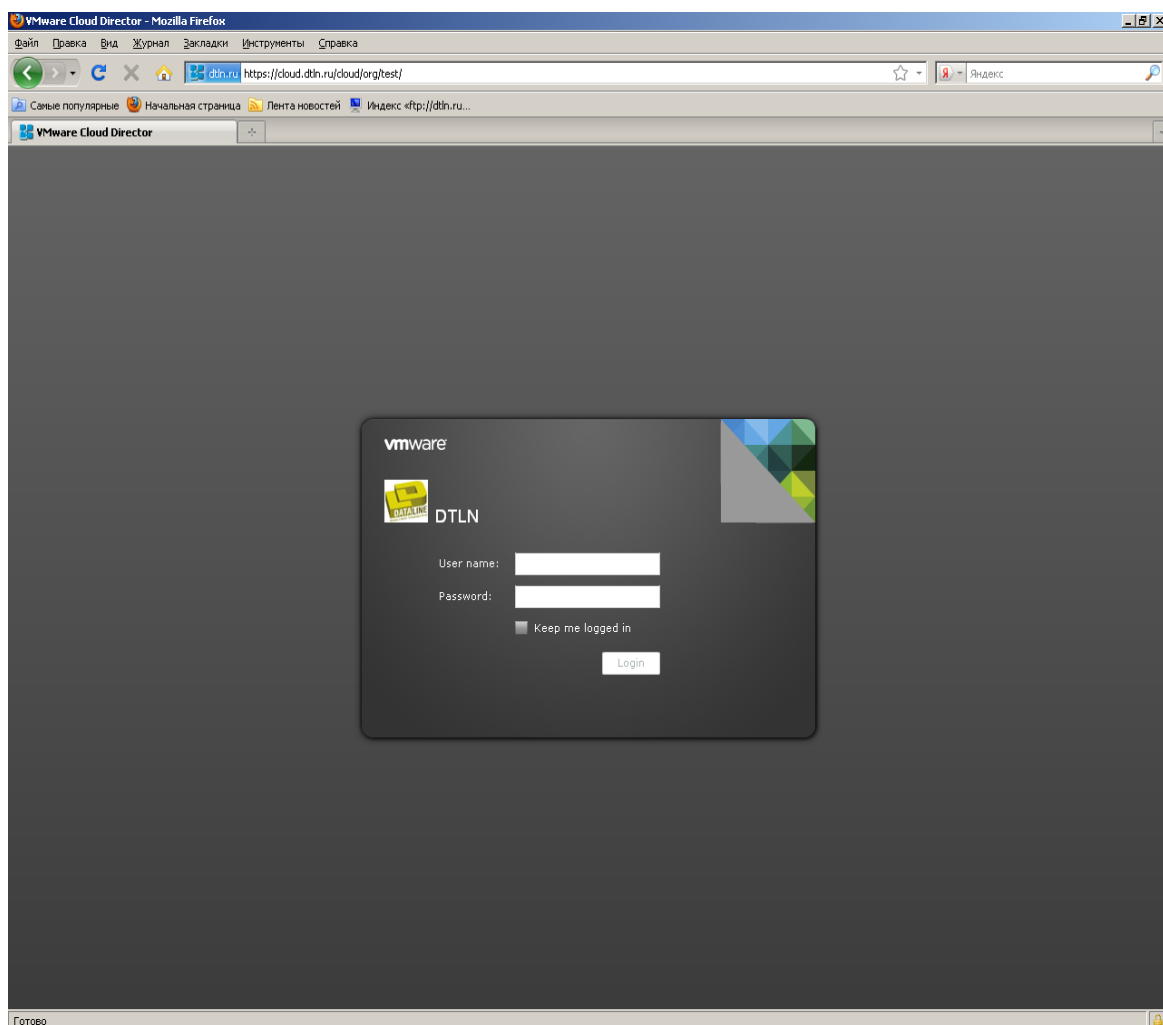


Инструкция пользователя по инфраструктуре VMware vCloud

Вход в инфраструктуру vCloud осуществляется по ссылке
<https://cloud.dtlr.ru/cloud/org/demo/>



Перейдите к вкладке **My Cloud**. Здесь можно добавить виртуальную машину (VPS) из шаблона либо создать виртуальную машину путем чистой установки из установочного образа или с диска.

The screenshot displays the VMware Cloud Director web interface in a Mozilla Firefox browser. The user is logged in as 'testuser (Cloud User)'. The main view is 'My Cloud' > 'vApps'. A table lists the vApps, with one entry 'linux-vps-1' in a 'Running' state, owned by 'testuser' and created on '03/27/2011 1:35 PM' in the 'test_VDC' vDC.

Consoles	Name	Status	Sharing	Owner	Date Created	vDC
	linux-vps-1	Running	-	testuser	03/27/2011 1:35 PM	test_VDC

At the bottom of the interface, there is a status bar showing '0 Running' and '0 Failed' vApps, the DTLN logo, and 'Powered by VMware'. A data transfer notification is visible at the very bottom: 'Передача данных с cloud.dtn.ru...'.

Из каталога шаблонов виртуальная машина добавляется следующим образом: на вкладке Look in, переходим в Public catalogs, из списка выбираем шаблон ОС.

The screenshot shows the VMware Cloud Director web interface. A modal dialog titled "Add vApp from Catalog" is open, displaying the "Select vApp Template" step. The dialog includes a sidebar with steps: "Name this vApp", "Accept EULA(s) for vApp/VMs", "Configure Virtual Machines", "Configure Networking", and "Ready to Complete". The main area shows a table of available templates:

Name	Gold Mas...	Catalog	Owner	Created On	Storage Used
Centos5.5_64		test	system	03/27/2011 1:02 PM	16 GB
WIN2008R2		test	system	03/25/2011 4:29 PM	40 GB

At the bottom of the dialog, there are navigation buttons: "Back", "Next", "Finish", and "Cancel". The "Next" button is highlighted. The background interface shows a list of vApps with one entry: "linux-vps-1" in "Running" status, owned by "testuser", created on "03/27/2011 1:35 PM".

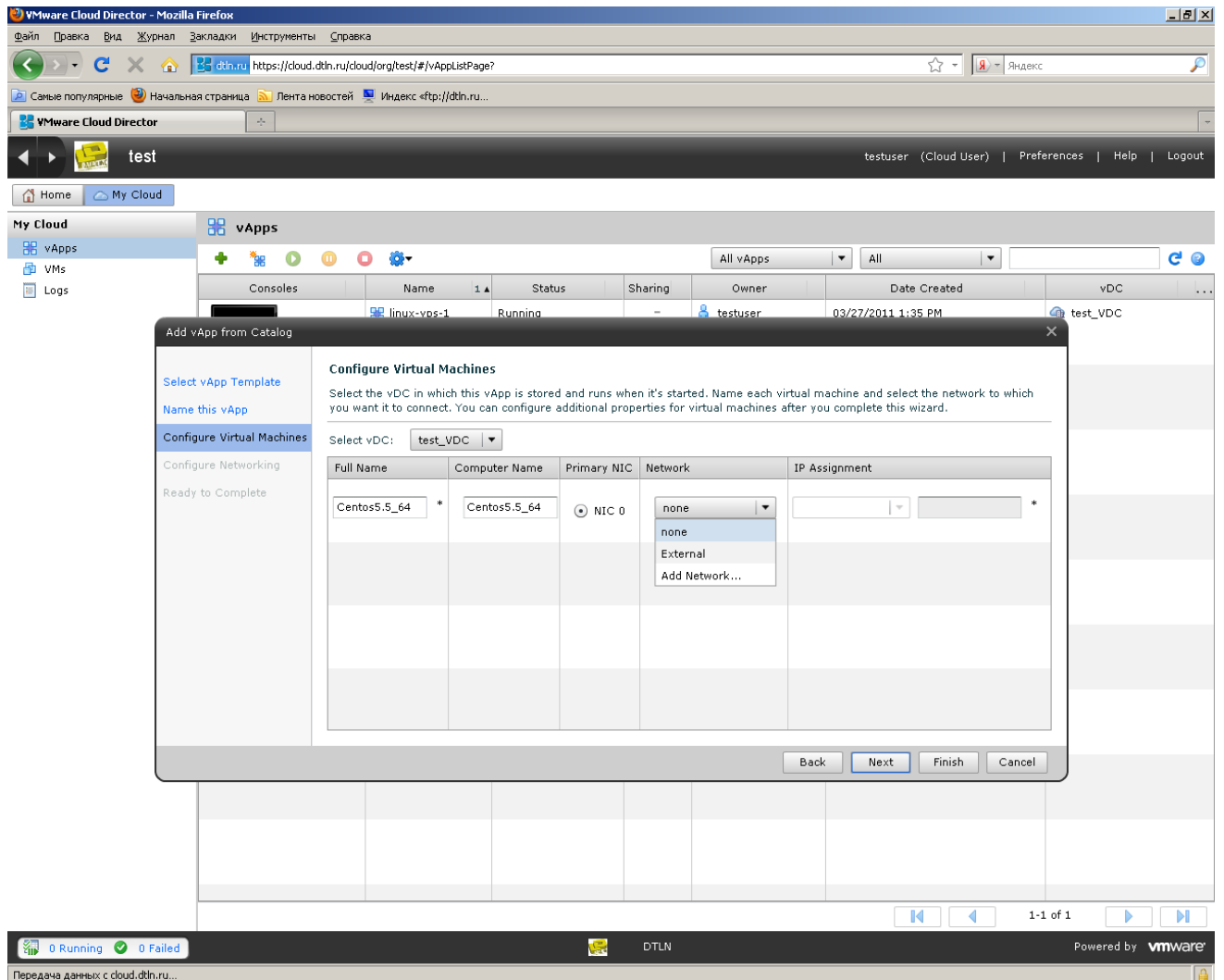
На указанной вкладке задаем имя VPS, указываем срок работы и количество дней хранения данной виртуальной машины в системе хранения данных (СХД). Далее щелкаем мышью на кнопке **Next**.

The screenshot shows the VMware Cloud Director web interface in a Mozilla Firefox browser. The main page displays a table of vApps with columns for Name, Status, Sharing, Owner, Date Created, and vDC. A modal dialog box titled "Add vApp from Catalog" is open, showing the configuration steps for a new vApp. The "Name this vApp" step is active, with the following fields:

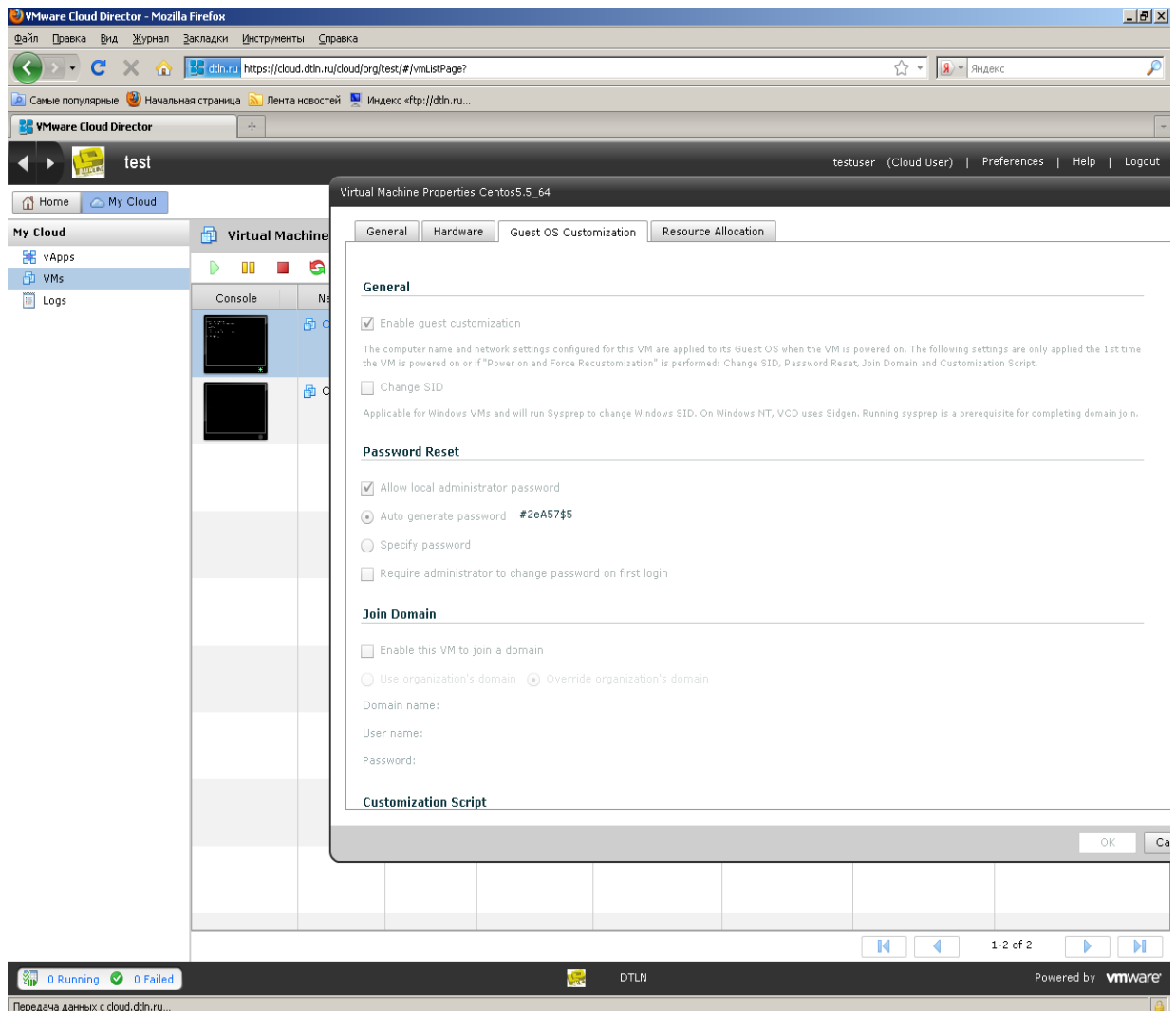
- Name:** linux-vps-2 *
- Description:** (empty text box)
- Leases:**
 - Runtime lease:** 7 Days Expires on: Mon Apr 4 09:52:15 GMT+0400 2011 *
 - Storage lease:** 30 Days Expires on: Wed Apr 27 09:52:15 GMT+0400 2011 *

At the bottom of the dialog, the "Next" button is highlighted in blue. The background interface shows a table with one entry: "linux-vps-1" in "Running" status, owned by "testuser", created on "03/27/2011 1:35 PM".

На указанной вкладке выбираем сеть. В нашем случае это 'NAT'.
Затем щелкаем мышью на кнопке **Finish**.

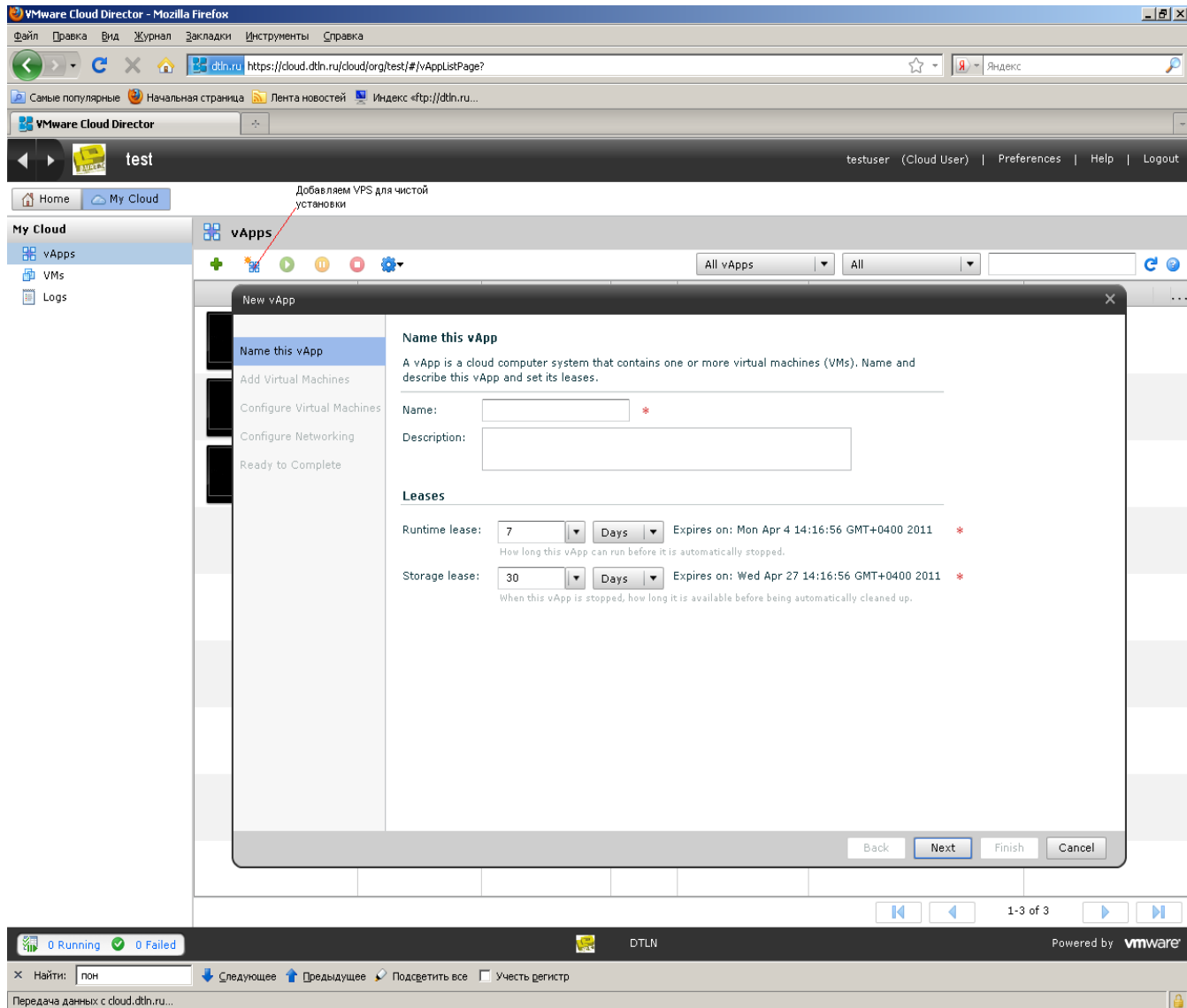


После того, как виртуальная машина создана, на вкладке **VMs** щелкаем правой кнопкой мыши на своей виртуальной машине, переходим в меню **Properties** на вкладку **Guest OS Customization** и в разделе **Password Reset** в строке опции **Auto generate password** видим пароль, сгенерированный при установке.



Создание VPS из ISO-образа или с установочного диска

Щелкаем мышью на иконке New.



Задаем имя виртуального сервиса **vApp**, а также определяем для данной виртуальной машины срок работы и продолжительность хранения в СХД.

The screenshot displays the VMware Cloud Director web interface in a Mozilla Firefox browser. The main navigation pane on the left shows 'My Cloud' with sub-items for 'vApps', 'VMs', and 'Logs'. The 'vApps' section is active, and a 'New vApp' dialog box is open in the foreground.

The 'New vApp' dialog has the following fields and options:

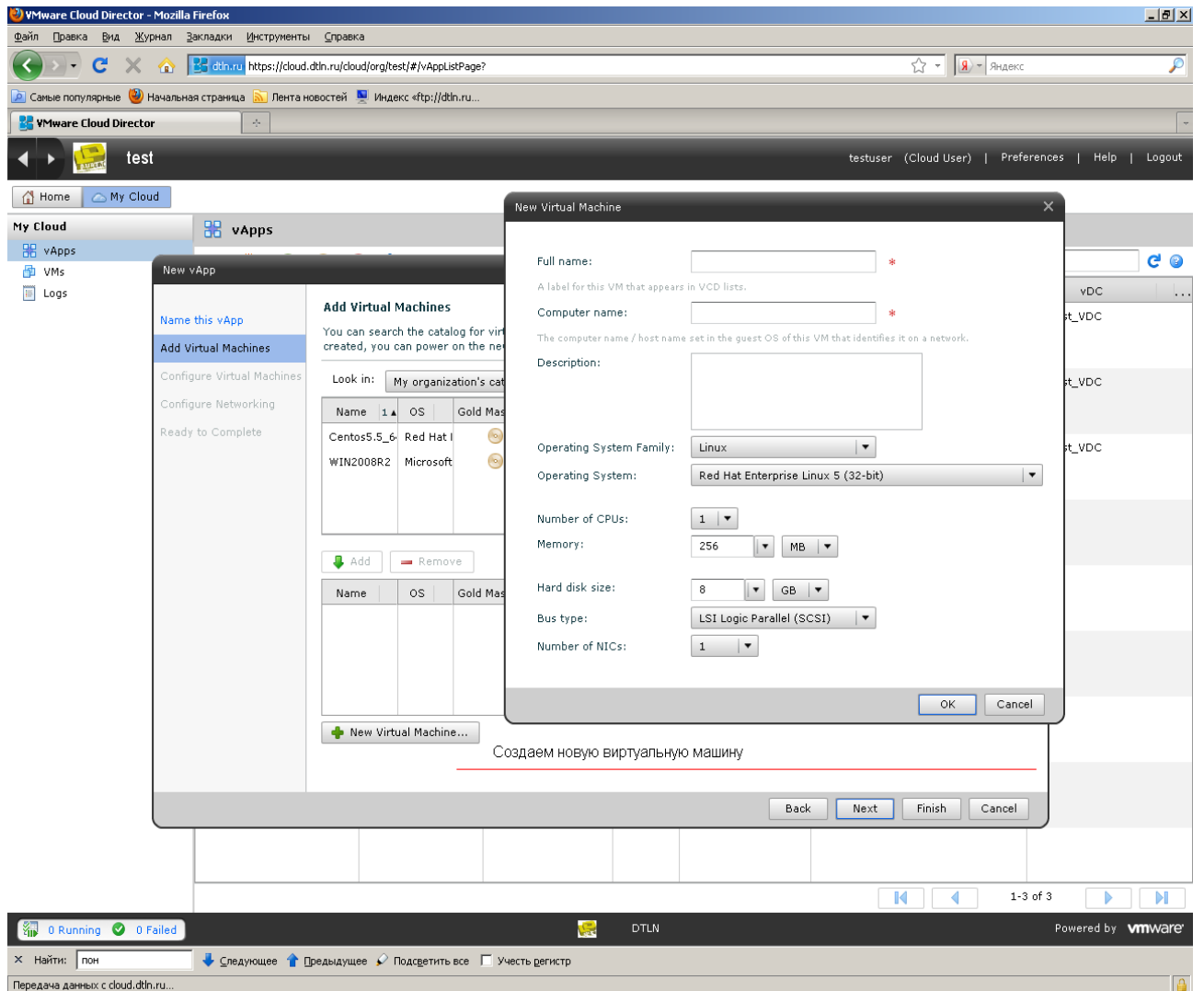
- Name this vApp:** A text input field containing 'test1' with a red asterisk indicating a required field.
- Description:** An empty text area.
- Leases:**
 - Runtime lease:** A dropdown menu set to '7' with a 'Days' unit selector. The expiration date is 'Mon Apr 4 11:06:07 GMT+0400 2011'.
 - Storage lease:** A dropdown menu set to '30' with a 'Days' unit selector. The expiration date is 'Wed Apr 27 11:06:07 GMT+0400 2011'.

Below the storage lease field, there is a red underline and the text: Время хранения VPS на СХД.

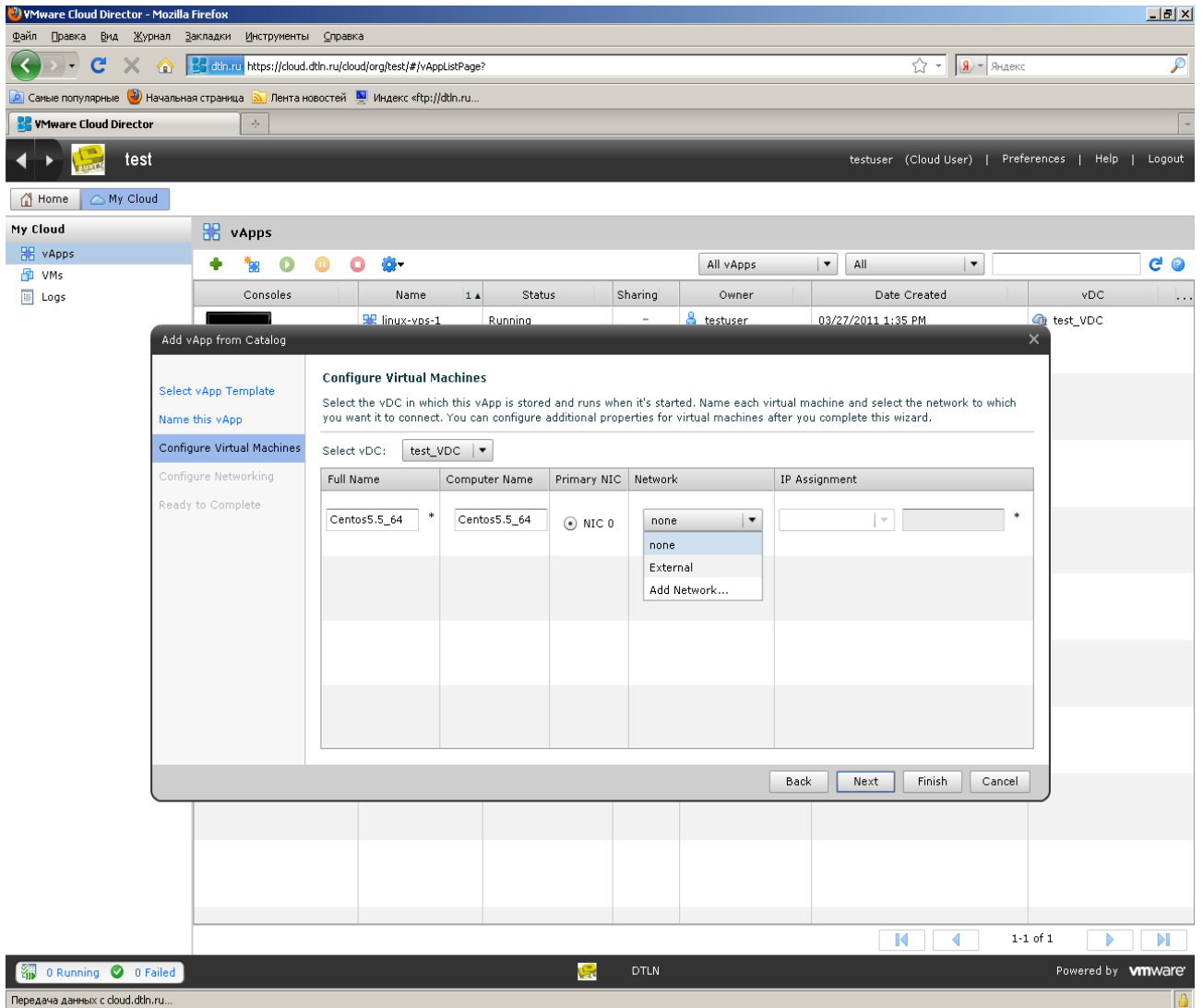
At the bottom of the dialog, there are four buttons: 'Back', 'Next', 'Finish', and 'Cancel'. The 'Next' button is highlighted.

The background interface shows a status bar at the bottom with '0 Running' and '0 Failed' indicators, the user 'DTLN', and the VMware logo.

Задаем имя, выбираем тип операционной системы и характеристики нашей VPS. Далее щелкаем мышью на кнопках **Ok** и **Next**.



Выбираем сеть. В нашем случае это 'NAT'.



VMware Cloud Director - Mozilla Firefox

https://cloud.dtn.ru/cloud/org/test/#/vAppListPage?




test testuser (Cloud User) | Preferences | Help | Logout

My Cloud

- vApps
- VMs
- Logs

vApps

All vApps All

Consoles	Name	Status	Sharing	Owner	Date Created	vDC
	Fedora13_vps1	Running	-	testuser	03/28/2011 11:17 AM	test_VDC
	linux-vps-1	Running	-	testuser	03/27/2011 1:35 PM	test_VDC
	linux-vps-2	Creating... 22%	-	testuser	03/28/2011 1:44 PM	test_VDC

1-3 of 3

1 Running 0 Failed

DTLN Powered by VMware

Найти: пон

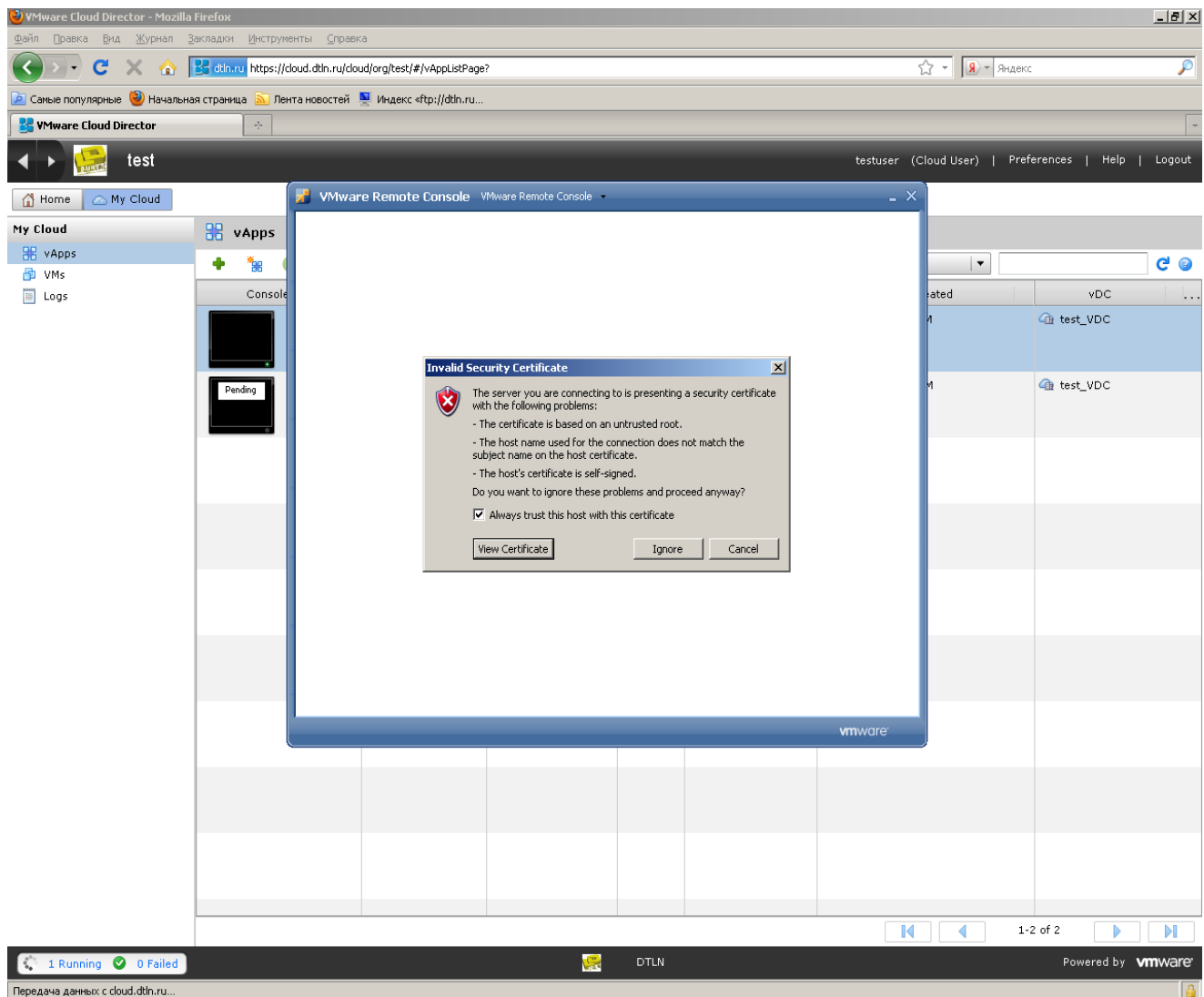
Передан данных с cloud.dtn.ru...

Переходим на вкладку VMs и запускаем созданную виртуальную машину.

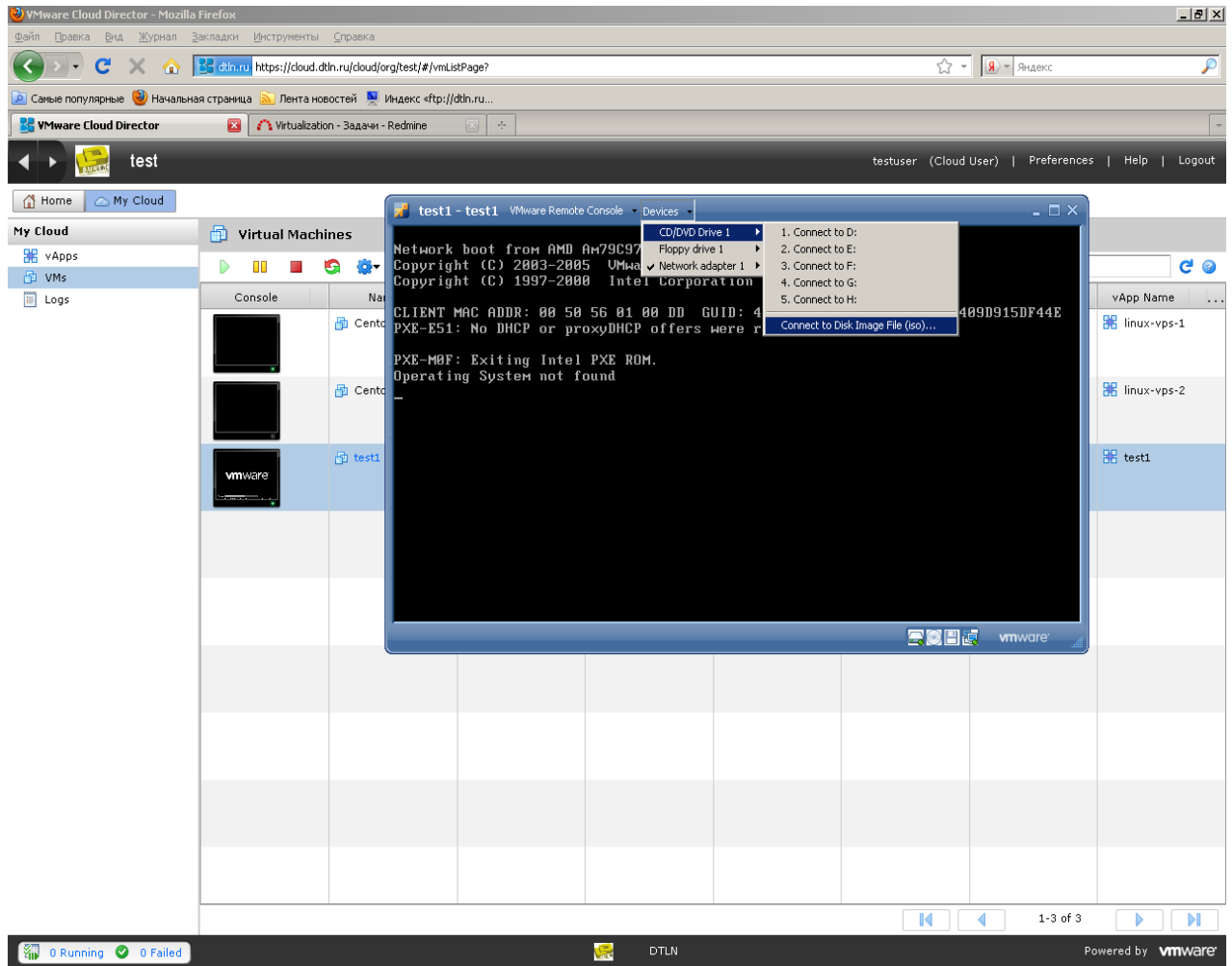
The screenshot shows the VMware Cloud Director web interface in a Mozilla Firefox browser. The browser address bar shows the URL: `https://cloud.dtlh.ru/cloud/org/test/#/vmlistPage?`. The interface includes a navigation menu on the left with 'My Cloud' selected, and a main area titled 'Virtual Machines'. A table lists three VMs: 'Centos5.5_64' (Powered On), 'Centos5.5_64' (Powered Off), and 'test1' (Powered Off). The 'test1' VM is highlighted in blue. At the bottom, a status bar shows '0 Running' and '0 Failed' VMs, and the VMware logo.

Power On	Name	Status	Networks	IP Address	External IP	Connectivity	vApp Name
	Centos5.5_64	Powered On	NIC 0 : External	192.168.1.100	-	Direct	linux-vps-1
	Centos5.5_64	Powered Off	NIC 0 : External	192.168.1.101	-	Direct	linux-vps-2
	test1	Powered Off	NIC 0 : External	192.168.1.102	-	Direct	test1

Щелкаем мышью по созданной VPS. Запускается VMware Remote Console с предупреждением об SSL-сертификате. Выбираем **Ignore**.



Переходим на вкладку **Devices**, далее – на **CD/DVD Drive1, Connect To** (укажите Ваш CDROM) или **Connect to Disk Image File (iso)**. В последнем случае выбираем ISO-образ и инициируем установку ОС.



Для того, чтобы обеспечить доступ VPS к сети, во время установки ОС необходимо назначить IP-адрес, выданный на вкладке **IP Address**. В нашем случае – 192.168.1.101, при развертывании из шаблона адрес назначается автоматически.

The screenshot displays the VMware Cloud Director web interface in Mozilla Firefox. The browser address bar shows the URL `https://cloud.dtl.ru/cloud/org/test/#/vmListPage?`. The interface includes a navigation menu on the left with 'My Cloud' selected, and a main area titled 'Virtual Machines'. A table lists two virtual machines:

Console	Name	Status	Networks	IP Address	External IP	Connectivity	vApp Name
	Centos5.5_64	Powered On	NIC 0 : External	192.168.1.100	-	Direct	linux-vps-1
	test2	Powered On	NIC 0 : External	192.168.1.101	-	Direct	test2

A remote console window for 'test2 - test2' is open, showing the following boot log:

```
Network boot from AMD Am79C970A
Copyright (C) 2003-2005 VMware, Inc.
Copyright (C) 1997-2000 Intel Corporation

CLIENT MAC ADDR: 00 50 56 01 00 E0 GUID: 4201F76B-E890-06D5-9414-689CA2EC06B8
PXE-E51: No DHCP or proxyDHCP offers were received.

PXE-M0F: Exiting Intel PXE ROM.
Operating System not found
```

The interface also shows a status bar at the bottom with '0 Running' and '0 Failed' VMs, and a search bar containing 'пон'.

The screenshot shows the VMware Cloud Director web interface in a Mozilla Firefox browser. The browser address bar displays the URL `https://cloud.dtl.ru/cloud/org/test/#/vmListPage?`. The interface includes a navigation menu with 'Home' and 'My Cloud' options. The main content area is titled 'Virtual Machines' and contains a table with columns for Name, Status, Networks, IP Address, External IP, Connectivity, and vApp Name. Two virtual machines are listed: 'linux-vps-1' and 'test2', both with a status of 'Direct'. A terminal window titled 'linux-vps-1 - Centos5.5_64' is overlaid on the table, showing the following text:

```
CentOS release 5.5 (Final)
Kernel 2.6.18-194.32.1.el5 on an x86_64

Centos5 login:

CentOS release 5.5 (Final)
Kernel 2.6.18-194.32.1.el5 on an x86_64

Centos5 login: _
```

The terminal window also includes a footer that reads 'To direct input to this virtual machine, press Ctrl+G.' and the VMware logo. At the bottom of the interface, there is a status bar showing '0 Running' and '0 Failed', and a search bar with the text 'Найти: пон'. The page footer indicates 'Powered by VMware'.

Успехов!