Sertag Linux-eRetail3.1 installation

Smart Electronic TAG



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(1) Linux system

Install software: VMware-workstation-full-16.1.2-17966106 Download link: <u>https://pan.quark.cn/s/93d1dcacf4b5</u>(Quark Network Disk)

Activation key: ZF3R0-FHED2-M80TY-8QYGC-NPKYF





Click to create a new virtual machine-typical-Select the installer disc image file-CentOS-8.1.1911-x86_64-dvd1(disc image file)-Enter custom username and password-Select the installation location and wait for installation-Select a single file-Custom hardware memory selection4/8G

Download link: http://mirrors.aliyun.com/centos/8.5. 2111/isos/x86_64/CentOS-8.5.2111x86_64-dvd1.iso

	New Virtual Machine Wizard	Х
	Specify Disk Capacity How large do you want this disk to be?	
	The virtual machine's hard disk is stored as one or more files on the host computer's physical disk. These file(s) start small and become larger as you add applications, files, and data to your virtual machine.	
	Maximum disk size (GB):	
	Recommended size for CentOS 64-bit: 20 GB	
	• Store virtual disk as a single file	
	O Split virtual disk into multiple files	
	Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.	
	<pre>reip < Back Next > Cance</pre>	

(2) Mapping IP





Right-click and select Settings

Device	Summary	Device status		
Memory Processors	512 MB 1	Connected Connect at power on		
Hard Disk (SCSI)	16 GB Auto datast Bridged (Automatic)	Network connection Bridged: Connected directly to the physical network		
Network Adapter 2	Host-only Present	Replicate physical network connection state		
) Sound Card	Auto detect	NAT: Used to share the host's IP address Host-only: A private network shared with the host Custom: Specific virtual network Winet0		
Display	Auto detect			
		◯ LAN segment:		
		LAN Segments Advanced		
	,			

Check IP

<pre>Not set the search Terminal Help [yangran@localhost ~]\$ [int 127.0.0.1 netmask 255.0.0.0 [intet 127.0.0.1 netmask 255.0.0.</pre>	yangran@localhost:~ x File Edit View Search Terminal Help [yangran@localhost ~]\$ [yangran@localhost ~]\$ ifconging [yangran@localhost ~]\$ [bash: ifconging: command not found Failed to search for file: cannot update repo 'AppStream': Cannot prepare intern al mirrortist: No UKLS in mirrortist [yangran@localhost ~]\$ ifconfig [yangran@localhost ~]\$ ifconfig ens33: flags=4163 <up,broadcast,running multicast=""> mtu 1500 inet 152.100.4.130 metmask 253.255.255.0 broadcast 192.168.4.255 inet 152.100.4.130 metmask 253.255.255.0 broadcast 192.168.4.255 inet 6680::38b9:5e85:b04d:639c prefixlen 64 scopeid 0x20<link/> ether 00:0c:29:7e:5c:58 txqueuelen 1000 (Ethernet) RX packets 713 bytes 240237 (234.6 KiB)</up,broadcast,running>
<pre>File Edit View Search Terminal Help [yangran@localhost ~]\$ [yangran@localhost ~]\$ ifconging bash: ifconging: command not found Failed to search for file: cannot update repo 'AppStream': Cannot prepare intern al mirrortist: NO UKLS in mirrortist [yangran@localhost ~]\$ ifconfig ens33: flags=4163<up,broadcast,running multicast=""> mtu 1500 inet 192.100.4.150 metmask 225.255.0 broadcast 192.168.4.255 inet6 fe80::38b9:5e85:b04416639c prefixlen 64 scopeid 0x20<link/> ether 00:0c:29:7e:5c:58 txqueuelen 1000 (Ethernet) RX packets 713 bytes 240237 (234.6 K1B) RX errors 0 dropped 5 overruns 0 frame 0 TX packets 397 bytes 40734 (39.7 KiB) TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0 lo: flags=73<up,loopback,running> mtu 65536 inet 127.0.0.1 netmask 255.0.0.0 inet6 ::1 prefixlen 128 scopeid 0x10<host> loop txqueuelen 1000 (Local Loopback) RX packets 0 bytes 0 (0.0 B) RX errors 0 dropped 0 overruns 0 frame 0 TX packets 0 bytes 0 (0.0 B) TX errors 0 dropped 0 overruns 0 frame 0 TX packets 0 bytes 0 (0.0 B) TX errors 0 dropped 0 overruns 0 frame 0 TX packets 0 bytes 0 (0.0 B) TX errors 0 dropped 0 overruns 0 frame 0 TX packets 0 bytes 0 (0.0 B) TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0 </host></up,loopback,running></up,broadcast,running></pre>	<pre>File Edit View Search Terminal Help [yangran@localhost ~]\$ [yangran@localhost ~]\$ ifconging bash: ifconging: command not found Failed to search for file: cannot update repo 'AppStream': Cannot prepare intern al mirrortist: NO UKLS in mirrortist [yangran@localhost ~]\$ ifconfig ens33: flags=4163<up,broadcast,running multicast=""> mtu 1500</up,broadcast,running></pre>
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Computers in the same number segment as the host, The same LAN can access the eRetail3.1 system of the virtual machine.

(3) Installation environment & eRetail3.1 system

Switch root account

- sudo
- sudo –i
- sudo passwd root
- su

Run command prompt:

Failed to download metadata for repo 'AppStream' Click this link to resolve the issue https://blog.csdn.net/zuiyijiangnan/article/details/123796108

2:Dockers Install https://docs.docker.com/engine/install/centos/

- yum install -y yum-utils (Install yum-utils Packages)
- yum-config-manager --add-repo https://download.docker.com/linux/centos/docker-ce.repo
- yum install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin (Install docker)
- systemctl start docker (start updocker)
- docker ps (Examine)





(4) Install deployAll.sh script

- rz (Open a local file and select the file deployAll Make an upload)
- chmod-R 777 deployAll.sh (Authorize)
- ./deployAll.sh (Executable file)
- 4000 (Backend port)
- 9071 (Base station port)
- 4001 (API port)
- 4002 (VideoService port)
- Server address IP
- dockers ps (Examine)

After the eRetail3.1 system is installed, enter the backend address into the local browser to activate the system.

[root@localhost ~]# docker ps					
IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
eretail31/videoservice:latest	"dotnet Titan.VideoS"	15 minutes ago	Up 15 minutes	0.0.0.0:4002->80/tcp, :::4002->80/tcp	videoservice
eretail31/tftapi:latest	"dotnet Titan.TFTAPI…"	15 minutes ago	Up 15 minutes	0.0.0.0:4001->80/tcp, :::4001->80/tcp	tftapi
eretail31/datasync:latest	"dotnet Titan.DataSy…"	15 minutes ago	Up 15 minutes		datasync
eretail31/sendserver:latest	"dotnet Titan.Server…"	15 minutes ago	Up 15 minutes	0.0.0.0:9071->9071/tcp, :::9071->9071/tcp	sendserver
eretail31/cloud:latest	"dotnet Titan.Cloud"	15 minutes ago	Up 15 minutes	1234/tcp, 0.0.0.0:4000->80/tcp, :::4000->80/tcp	titan
redis:latest	"docker-entrypoint.s"	16 minutes ago	Up 16 minutes	6379/tcp	redis
mysql <u>:</u> latest	"docker-entrypoint.s"	16 minutes ago	Up 16 minutes	0.0.0.0:3306->3306/tcp, :::3306->3306/tcp, 33060/tcp	mysql
	<pre>t ~]# docker ps IMAGE eretail31/videoservice:latest eretail31/tftapi:latest eretail31/datasync:latest eretail31/sendserver:latest eretail31/cloud:latest redis:latest mysql:latest</pre>	t ~]# docker ps IMAGE COMMAND eretail31/videoservice:latest "dotnet Titan.VideoS" eretail31/tftapi:latest "dotnet Titan.TFTAPI" eretail31/datasync:latest "dotnet Titan.DataSy" eretail31/sendserver:latest "dotnet Titan.Server" eretail31/cloud:latest "dotnet Titan.Cloud" redis:latest "docker-entrypoint.s"	t ~]# docker ps IMAGE COMMAND CREATED eretail31/videoservice:latest "dotnet Titan.VideoS" 15 minutes ago eretail31/tftapi:latest "dotnet Titan.TFTAPI" 15 minutes ago eretail31/datasync:latest "dotnet Titan.DataSy" 15 minutes ago eretail31/sendserver:latest "dotnet Titan.Server" 15 minutes ago eretail31/cloud:latest "dotnet Titan.Cloud" 15 minutes ago redis:latest "dotnet Titan.Cloud" 15 minutes ago mysql:latest "docker-entrypoint.s" 16 minutes ago	t ~]# docker ps IMAGE COMMAND CREATED STATUS eretail31/videoservice:latest "dotnet Titan.VideoS" 15 minutes ago Up 15 minutes eretail31/tftapi:latest "dotnet Titan.DataSy" 15 minutes ago Up 15 minutes eretail31/datasync:latest "dotnet Titan.DataSy" 15 minutes ago Up 15 minutes eretail31/sendserver:latest "dotnet Titan.Server" 15 minutes ago Up 15 minutes eretail31/cloud:latest "dotnet Titan.Cloud" 15 minutes ago Up 15 minutes mysql:latest "docker-entrypoint.s" 16 minutes ago Up 16 minutes	t ~]# docker ps IMAGE COMMAND CREATED STATUS PORTS eretail31/videoservice:latest "dotnet Titan.VideoS" 15 minutes ago Up 15 minutes eretail31/tftapi:latest "dotnet Titan.TFTAPI" 15 minutes ago Up 15 minutes eretail31/datasync:latest "dotnet Titan.DataSy" 15 minutes ago Up 15 minutes eretail31/sendserver:latest "dotnet Titan.Server" 15 minutes ago Up 15 minutes eretail31/cloud:latest "dotnet Titan.Cloud" 15 minutes ago Up 15 minutes redis:latest "docker-entrypoint.s" 16 minutes ago Up 16 minutes mysql:latest "docker-entrypoint.s"



(5) Upgrade procedure: Cloud, DataSync, SendServer, TFTAPI, VideoService. The upgrade package needs to delete appsettings.json, upgrade Cloud first, and upgrade the rest in sequence.

- rz
- ls
- unzip file name (Unzip files)
- cd file name (Copy the last folder of the file directory)
- pwd (View current directory)
- mv /root/file name A/file name B//root
- cd.. (Back to previous)
- mv file name app (Modify the file name to app)
- docker restart Container name (Restart container)

5: Delete naming

- rm –f name
- rm –rf name

otal 82132

rw 1 root root 2646 Sep 17 19:46 anaconda	a-ks.cfg
Irwxr-xr-x. 3 root root 21 Sep 17 23:48 Cloud16	
rw-rr 1 root root 84083774 Sep 12 00:51 Cloud16	zip
rwxrwxrwx. 1 root root 5269 Sep 17 19:42 deployA	ll.sh
rw 1 root root 2066 Sep 17 19:46 original	l-ks.cfg
<pre>root@localhost ~]# mv /root/Cloud16/Cloud16/Cloud</pre>	
າv: missing destination file operand after '/root/Clou	ud16/Cloud16/Cloud'
ry 'mvhelp' for more information.	
[root@localhost ~]# mv /root/Cloud16/Cloud16/Cloud/ /u	root
root@localhost ~]# ll	
total 82144	
rw 1 root root 2646 Sep 17 19:46 anaconda	a-ks.cfg
Irwxr-xr-x. 8 root root 👘 8192 Sep 12 15:48 Cloud 🤜	
Irwxr-xr-x. 3 root root 21 Sep 17 23:48 Cloud16	
rw-rr 1 root root 84083774 Sep 12 00:51 Cloud16	zip
rwxrwxrwx. 1 root root 5269 Sep 17 19:42 deployA	ll.sh
rw 1 root root 2066 Sep 17 19:46 original	l-ks.cfg
root@localhost ~]#	



[root@localhost ~]# docker exec -it titan /bin/bash
root@a6c0ae1c8749:/app# []

(6) View log

- docker exec -it Container name /bin/bash (Enter the container)
- cd logs (Enter log file)
- cd system (Log storage directory)
- Is (View log files)
- cat Log file name (Open the log)
- exit (Exit container)
- docker logs --tail 10 Container name (View the latest 10 lines of logs in the root directory)
- docker logs -f Container name (View the real-time update log in the root directory)

(7) Revise appsettings.json content

- docker cp Container name:/app/appsettings.json/root/appsettings.json
- cd /root
- vim file name (Enter file)
- i (Modify command)
- : wq (Save and exit)
- cat appsettings.json
- docker cp appsettings.json Container name:/
- docker restart Container name





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