Сначала надо выбрать VM который не включён (если не зеленый значить VM

отключен)



Дальше надо включить VM

· · · · · · · · · · · · · · · · · · ·					······			· –				
× PRO×MO	🕻 Virtual E	Environment 6.3	3-2 Se	arch			🖉 Doo	cumentation	ate VM 🛛 🍞 Create	CT 👗 n	oot@pam 🗸	I
Server View	~	Virtual Machine	100 (W	ndows-VM1) on node 'TG	EK'		Start	🖒 Shutdown 🗸	>_ Console $ \vee$	More \vee	O Help	
✓ ■ Datacenter ✓ ■ TGIEK		Summary							Hour	(average)	~	
■ 100 (Windows-VM1) ■ TGIEK-VMs (TGIEK)	-VM1) TGIEK)	1) >_ Console		Windows-VM1 (Uptime: 8 days 02:13:28) Notes						G		Ì
Sul TGIEK-VMs (TGIEK) Sul ocal (TGIEK) Sul ocal-Vm (TGIEK)) JIEK) Cloud-Init Options Task History Monitor Backup Replication Snapshots Firewall Permissions	5	i Status ♥ HA State Node CPU usage ■ CPU usage ■ Bootdisk size ■ IPs	runn nc TGI 50.60% of 2 CPU 87.82% (3.51 GIB of 4.00 G 300.00 (No Guest Agent configur	ng ne EK (s) B) HB ed						
				CPU usage		1	CPU usage: 51.6		•	CPU usage		
Tasks Cluster log						T	ue Jun 29 2021 15:06:00 (GM1+0300 (Москва,	стандартное время	7)		1
Start Time \downarrow	End Time		Node	User name	Description				Status			1
Jun 29 15:39:00	Jun 29 15	5:39:06	TGIEK	root@pam	VM/CT 100 - Console				OK			
Jun 29 15:05:31	Jun 29 15	5:05:32	TGIEK	root@pam	Copy data				OK			1

Wget- Свободная неинтерактивная консольная программа для загрузки файлов по сети. Поддерживает протоколы HTTP, FTP и HTTPS, а также поддерживает работу через HTTP прокси-сервер. Программа включена почти во все дистрибутивы GNU/Linux.

<pre>sa@linuxserver:~\$ which wget /usr/bin/wget sa@linuxserver:~\$ wget https://download.nextcloud.com/server/releases/nextcloud-22.0.0.zip -2021-07-09 09:05:01 https://download.nextcloud.com/server/releases/nextcloud-22.0.0.zip Resolving download.nextcloud.com (download.nextcloud.com)) = 5.217.64.181, 2a01:4f9:2a:3119::181 Connecting to download.nextcloud.com (download.nextcloud.com)] = 5.217.64.181, 2a01:4f9:2a:3119::181 Co</pre>								
nextcloud-22.0.0.zip 100%[===================================	164.63M 4.83MB/s	in 42s						
2021-07-09 09:05:43 (3.95 MB/s) - 'nextcloud-22.0.0.zip' saved [172627889/172627889]								
sa@linuxserver:~\$ []		10.05						

добовление и проверка доверенный домен

buntu 20.04.2 LTS linuxserver tty1
eb console: https://linuxserver:9090/ or https://128.1.13.100:9090/
<pre>inuxserver login: [27.184925] overlayfs: missing 'lowerdir' 27.844434] cloud-init[1360]: Cloud-init v. 20.4.1-Oubuntu1~20.04.1 running 'modules:config' at Mon, 05 Jul 2021 08:23:35 +000 0. Up 27.65 seconds. 28.266146] cloud-init[1368]: Cloud-init v. 20.4.1-Oubuntu1~20.04.1 running 'modules:final' at Mon, 05 Jul 2021 08:23:36 +000 . Up 28.07 seconds. 28.369646] cloud-init[1368]: Cloud-init v. 20.4.1-Oubuntu1~20.04.1 finished at Mon, 05 Jul 2021 08:23:36 +0000. Datasource D taSourceNone. Up 28.26 seconds 28.373767] cloud-init[1368]: 2021-07-05 08:23:36,333 - cc_final_message.py[WARNING]: Used fallback datasource</pre>
inuxserver login: sa assword: elcome to Ubuntu 20.04.2 LTS (GNU/Linux 5.4.0–77-generic x86_64)
* Documentation: https://help.ubuntu.com * Management: https://landscape.canonical.com * Support: https://ubuntu.com/advantage
System information as of Wed Jul 7 07:02:01 UTC 2021
System load:0.04Processes:137Usage of /:3.7% of 195.86GBUsers logged in:0Memory usage:10%IPv4 address for docker0:172.17.0.1Swap usage:0%IPv4 address for ens18:128.1.13.100
* Super–optimized for small spaces – read how we shrank the memory footprint of MicroK8s to make it the smallest full K8s around.
https://ubuntu.com/blog/microk8s-memory-optimisation
9 updates can be installed immediately. of these updates are security updates. o see these additional updates run: apt list —-upgradable
eb console: https://linuxserver:9090/ or https://128.1.13.100:9090/
ast login: Wed Jun 30 06:28:56 UTC 2021 on tty1 a@linuxserver:~\$ sudo nextcloud.occ config:system:get trusted_domains sudo] password for sa: 28.1.13.100
a@linuxserver:~\$ sudo nextcloud.occ config:system:set trusted_domains 1 −-value=tgiek.cloudns.ph ystem config value trusted_domains => 1 set to string tgiek.cloudns.ph a@linuxserver:~\$
leb console: https://linuxserver:9090/ or https://128.1.13.100:9090/
Heb console: https://linuxserver:9090/ or https://128.1.13.100:9090/ linuxserver login: [27.184925] overlayfs: missing 'lowerdir' [27.844434] cloud-init[1360]: Cloud-init v. 20.4.1-Oubuntul~20.04.1 running 'modules:config' at Mon, 05 Jul 2021 08:23:35 +(0. Up 27.65 seconds. [20.2014]
Heb console: https://linuxserver:9090/ or https://128.1.13.100:9090/ Linuxserver login: [27.184925] overlayfs: missing 'lowerdir' [27.844434] cloud-init[1360]: Cloud-init v. 20.4.1–Oubuntu1~20.04.1 running 'modules:config' at Mon, 05 Jul 2021 08:23:35 +0 00. Up 27.65 seconds. [28.266146] cloud-init[1368]: Cloud-init v. 20.4.1–Oubuntu1~20.04.1 running 'modules:final' at Mon, 05 Jul 2021 08:23:36 +00 0. Up 28.07 seconds. [28.26646] cloud-init[1368]: Cloud-init v. 20.4.1–Oubuntu1~20.04.1 running 'modules:final' at Mon, 05 Jul 2021 08:23:36 +00 0. Up 28.07 seconds. [28.365464] cloud-init[1368]: Cloud-init v. 20.4.1–Oubuntu1~20.04.1 finished at Mon, 05 Jul 2021 08:23:36 +0000. Datasource itaSourceNone. Up 28.26 seconds [28.373767] cloud-init[1368]: 2021-07-05 08:23:36,333 – cc_final_message.py[WARNING]: Used fallback datasource
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<pre>keb console: https://linuxserver:9090/ or https://128.1.13.100:9090/ linuxserver login: [27.184925] overlayfs: missing 'lowerdir' [27.844434] cloud-init[1360]: Cloud-init v. 20.4.1-oubuntu1~20.04.1 running 'modules:config' at Mon, 05 Jul 2021 08:23:35 +0 00. Up 27.65 seconds. [28.266146] cloud-init[1368]: Cloud-init v. 20.4.1-oubuntu1~20.04.1 running 'modules:final' at Mon, 05 Jul 2021 08:23:36 +00 0. Up 28.07 seconds. [28.266146] cloud-init[1368]: Cloud-init v. 20.4.1-oubuntu1~20.04.1 finished at Mon, 05 Jul 2021 08:23:36 +00 0. Up 28.07 seconds. [28.369646] cloud-init[1368]: Cloud-init v. 20.4.1-oubuntu1~20.04.1 finished at Mon, 05 Jul 2021 08:23:36 +0000. Datasource ataSourceNone. Up 28.26 seconds [28.373767] cloud-init[1368]: 2021-07-05 08:23:36,333 - cc_final_message.py[WARNING]: Used fallback datasource atasource login: sa Password: lelcome to Ubuntu 20.04.2 LTS (GNU/Linux 5.4.0-77-generic x86_64) * Documentation: https://help.ubuntu.com * Management: https://landscape.canonical.com * Support: https://ubuntu.com/advantage</pre>
<pre>keb console: https://linuxserver:9090/ or https://128.1.13.100:9090/ linuxserver login: [27.184925] overlayfs: missing 'lowerdir' [27.844434] cloud-init[1360]: Cloud-init v. 20.4.1-oubuntu1~20.04.1 running 'modules:config' at Mon, 05 Jul 2021 08:23:35 +(00. Up 27.65 seconds. [28.266146] cloud-init[1368]: Cloud-init v. 20.4.1-oubuntu1~20.04.1 running 'modules:final' at Mon, 05 Jul 2021 08:23:36 +0(0. Up 27.65 seconds. [28.365646] cloud-init[1368]: Cloud-init v. 20.4.1-oubuntu1~20.04.1 running 'modules:final' at Mon, 05 Jul 2021 08:23:36 +0(0. Up 28.07 seconds. [28.365646] cloud-init[1368]: Cloud-init v. 20.4.1-oubuntu1~20.04.1 finished at Mon, 05 Jul 2021 08:23:36 +0000. Datasource tassurceNone. Up 28.26 seconds [28.373767] cloud-init[1368]: 2021-07-05 08:23:36,333 - cc_final_message.py[WARNING]: Used fallback datasource linuxserver login: sa 'assuord: lelcome to Ubuntu 20.04.2 LTS (GNU/Linux 5.4.0-77-generic x86_64) * Management: https://help.ubuntu.com * Management: https://landscape.canonical.com * Support: https://landscape.canonical.com * Support: https://landscape.canonical.com * Support: https://ubuntu.com/advantage</pre>
<pre>keb console: https://linuxserver:9090/ or https://128.1.13.100:9090/ inuxserver login: [27.184925] overlayfs: missing 'lowerdir' 27.844434] cloud-init[1360]: Cloud-init v. 20.4.1-Oubuntu1~20.04.1 running 'modules:config' at Mon, 05 Jul 2021 08:23:35 +0 0. Up 27.65 seconds. 28.266146] cloud-init[1368]: Cloud-init v. 20.4.1-Oubuntu1~20.04.1 running 'modules:final' at Mon, 05 Jul 2021 08:23:36 +00 0. Up 28.07 seconds. 28.266146] cloud-init[1368]: Cloud-init v. 20.4.1-Oubuntu1~20.04.1 finished at Mon, 05 Jul 2021 08:23:36 +0000. Datasource tasourcewone. Up 28.26 seconds 28.37567] cloud-init[1368]: 2021-07-05 08:23:36,333 - cc_final_message.py[WARNING]: Used fallback datasource tasourcevone. Up 28.26 seconds 28.373767] cloud-init[1368]: 2021-07-05 08:23:36,333 - cc_final_message.py[WARNING]: Used fallback datasource tasourcevone to Ubuntu 20.04.2 LTS (GNU/Linux 5.4.0-77-generic x86_64) * Documentation: https://help.ubuntu.com * Management: https://landscape.canonical.com * Support: https://lubuntu.com/advantage System information as of Wed Jul 7 07:02:01 UTC 2021 System load: 0.04</pre>
<pre>leb console: https://linuxserver:9090/ or https://128.1.13.100:9090/ linuxserver login: [27.184925] overlayfs: missing 'lowerdir' 27.844434] cloud-init[1360]: Cloud-init v. 20.4.1-Oubuntu1~20.04.1 running 'modules:config' at Mon, 05 Jul 2021 08:23:35 +0 0. Up 27.65 seconds. 28.265146] cloud-init[1368]: Cloud-init v. 20.4.1-Oubuntu1~20.04.1 running 'modules:final' at Mon, 05 Jul 2021 08:23:36 +00 . Up 28.07 seconds. 28.369646] cloud-init[1368]: Cloud-init v. 20.4.1-Oubuntu1~20.04.1 finished at Mon, 05 Jul 2021 08:23:36 +0000. Datasource taSourceNone. Up 28.26 seconds 28.369646] cloud-init[1368]: 2021-07-05 08:23:36,333 - cc_final_message.py[WARNING]: Used fallback datasource taSourceNone: Up 28.26 seconds 28.369646] cloud-init[1368]: 2021-07-05 08:23:36,333 - cc_final_message.py[WARNING]: Used fallback datasource taSourceNone: Up 28.26 seconds 28.373767] cloud-init[1368]: 2021-07-05 08:23:36,333 - cc_final_message.py[WARNING]: Used fallback datasource taSourceNone: Up 28.26 seconds 28.389767] cloud-init[1368]: 2021-07-05 08:23:36,333 - cc_final_message.py[WARNING]: Used fallback datasource inuxserver login: sa ?assword: lelcome to Ubuntu 20.04.2 LTS (GNU/Linux 5.4.0-77-generic x86_64) * Documentation: https://landscape.canonical.com * Management: https://landscape.canonical.com * Support: https://landscape.canonical.com * Support: https://landscape.canonical.com * Support: https://landscape.secondical.com * Every logi: 0.04 Processes: 137 Usage of /: 3.7% of 195.866B Users logged in: 0 # Memory usage: 10% IPV4 address for docker0: 172.17.0.1 Swap usage: 0% IPV4 address for docker0: 172.17.0.1 Swap usage: 0% IPV4 address for ens18: 128.1.13.100 * Super-optimized for small spaces - read how we shrank the memory footprint of MicroK8s to make it the smallest full K8s around.</pre>
<pre>leb console: https://linuxserver:9090/ or https://128.1.13.100:9090/ linuxserver login: [27.184925] overlayfs: missing 'lowerdir' [27.844434] cloud-init[1360]: Cloud-init v. 20.4.1-oubuntu1~20.04.1 running 'modules:config' at Mon, 05 Jul 2021 08:23:35 +0 0. Up 27.65 seconds. [28.866146] cloud-init[1368]: Cloud-init v. 20.4.1-Oubuntu1~20.04.1 running 'modules:final' at Mon, 05 Jul 2021 08:23:36 +00 0. Up 27.65 seconds. [28.86646] cloud-init[1368]: Cloud-init v. 20.4.1-Oubuntu1~20.04.1 finished at Mon, 05 Jul 2021 08:23:36 +0000. Datasource taSourceNone. Up 28.26 seconds [28.86646] cloud-init[1368]: 2021-07-05 08:23:36,333 - cc_final_message.py[WARNING]: Used fallback datasource taSourceNone. Up 28.26 seconds [28.367977] cloud-init[1368]: 2021-07-05 08:23:36,333 - cc_final_message.py[WARNING]: Used fallback datasource sassword: [28.309767] lelcome to Ubuntu 20.04.2 LTS (GNU/Linux 5.4.0-77-generic x86_64) * Documentation: https://help.ubuntu.com * Management: https://landscape.canonical.com * Management: https://landscape.canonical.com * Support: https://landscape.canonical.com * Support: https://landscape.sers 137 Usage of /: 3.7% of 195.8668 Users logged in: 0 Memory Usage: 10% IPV4 address for docker0: 172.17.0.1 Sugap usage: 0% IPV4 address for docker0: 172.17.0.1 Sugap usage: 0% IPV4 address for ens18: 128.1.13.100 * Super-optimized for small spaces - read how we shrank the memory footprint of MicroK8s to make it the smallest full K8s around. https://ubuntu.com/blog/microK8s-memory-optimisation</pre>
<pre>leb console: https://linuxserver:9090/ or https://128.1.13.100:9090/ inuxserver login: [27.184925] overlayfs: missing 'lowerdir' 27.844494] cloud-init(1360): Cloud-init v. 20.4.1-Oubuntu1"20.04.1 running 'modules:config' at Mon, 05 Jul 2021 08:23:35 +0 0. Up 27.65 seconds. 28.266146] cloud-init(1368): Cloud-init v. 20.4.1-Oubuntu1"20.04.1 running 'modules:final' at Mon, 05 Jul 2021 08:23:36 +00 0. Up 28.05 seconds. 28.369646] cloud-init(1368): Cloud-init v. 20.4.1-Oubuntu1"20.04.1 finished at Mon, 05 Jul 2021 08:23:36 +000. Datasource taSourceMone. Up 28.26 seconds. 28.373767] cloud-init(1368]: 2021-07-05 08:23:36,333 - cc_final_message.py[WARNING]: Used fallback datasource taSourceMone. Up 28.26 seconds 28.373767] cloud-init(1368]: 2021-07-05 08:23:36,333 - cc_final_message.py[WARNING]: Used fallback datasource inuxserver login: sa assword: lelcome to Ubuntu 20.04.2 LTS (GNU/Linux 5.4.0-77-generic x86_64) * Documentation: https://hadscape.canonical.com * Management: https://landscape.canonical.com * Management: https://lubuntu.com/advantage System information as of Wed Jul 7 07:02:01 UTC 2021 System information as of Wed Jul 7 07:02:01 UTC 2021 System information as of Hed Jul 7 07:02:01 UTC 2021 * Super-optimized for small spaces - read how we shrank the memory footprint of MicroK8s to make it the smallest full K8s around. https://ubuntu.com/blog/microK8s-memory-optimisation 59 updates can be installed immediately. 0 of these updates are security updates. 0 see these additional updates run: apt listupgradable</pre>
<pre>deb console: https://linuxserver:9090/ or https://128.1.13.100:9090/ inuxserver login: [27.184925] overlagfs: missing 'lowerdir' 27.844484] cloud-init[1360]: Cloud-init v. 20.4.1-Oubuntul~20.04.1 running 'modules:config' at Mon, 05 Jul 2021 08:23:35 +0 0.10 p27.85 seconds. 28.266146] cloud-init[1368]: Cloud-init v. 20.4.1-Oubuntul~20.04.1 running 'modules:final' at Mon, 05 Jul 2021 08:23:36 +00 10 p2.85 seconds. 28.365646] cloud-init[1368]: Cloud-init v. 20.4.1-Oubuntul~20.04.1 finished at Mon, 05 Jul 2021 08:23:36 +000. Datasource tasSourceNone. Up 28.05 seconds. 28.373767] cloud-init[1368]: 2021-07-05 08:23:36,333 - cc_final_message.py[WARNING]: Used fallback datasource inuxserver login: sa assword: elecome to Ubuntu 20.04.2 LTS (GNU/Linux 5.4.0-77-generic x86_64) * Documentation: https://landscape.canonical.com * Management: https://landscape.canonical.com * Support: https://landscape.canonical.com * Suppo</pre>
<pre>eb console: https://linuxserver:9090/ or https://128.1.13.100:9090/ inuxserver login: [27.184925] overlayfs: missing 'lowerdin' c7.84443(lcud-init[1360]: Cloud-init v. 20.4.1-oubuntu1~20.04.1 running 'modules:config' at Mon, 05 Jul 2021 08:23:35 +00 0. Up 27.55 seconds. 28.265146] cloud-init[1368]: Cloud-init v. 20.4.1-Oubuntu1~20.04.1 running 'modules:final' at Mon, 05 Jul 2021 08:23:36 +00 0. Up 28.07 seconds. 28.265146] cloud-init[1368]: Cloud-init v. 20.4.1-Oubuntu1~20.04.1 finished at Mon, 05 Jul 2021 08:23:36 +00 0. Up 28.07 seconds. 28.265146] cloud-init[1368]: Cloud-init v. 20.4.1-Oubuntu1~20.04.1 finished at Mon, 05 Jul 2021 08:23:36 +00 0. Up 28.07 seconds. 28.265747] cloud-init[1368]: 2021-07-05 08:23:36,333 - cc_final_message.py[WARNING]: Used fallback datasource 1480urceNno. Up 28.26 seconds 28.373767] cloud-init[1368]: 2021-07-05 08:23:36,333 - cc_final_message.py[WARNING]: Used fallback datasource 1480urceNno. Up 28.26 seconds 28.373767] cloud-init[1368]: 2021-07-05 08:23:36,333 - cc_final_message.py[WARNING]: Used fallback datasource 1480urceNno. Up 28.26 seconds 28.373767] cloud-init[1369]: 2021-07-05 08:23:36,333 - cc_final_message.py[WARNING]: Used fallback datasource 1480urceNno. Up 28.26 seconds 28.373767] cloud-init[1369]: 2021-07-05 08:23:36,333 - cc_final_message.py[WARNING]: Used fallback datasource 1480urceNno. Up 28.26 seconds 28.0007: sa 28.0007: sa 28.0007: https://lankscape.canonical.com 28.0007: https://lankscape.canonical.com 28.0007: 3.7% of 195.0666 Users logged in: 0 29.0041: 0.004 Processes: 137 20.004 Processes: 137 20.004 Processes: 137 20.004 Processes: 137 20.004 Processes: 127.17.0.1 20.004 Processes: 0.004 IPV4 address for ensils: 128.11.3.100 20.004 Processe:</pre>

Открываем порты 443 и 80

Web console: https://linuxserver:9090/ or https://128.1.13.100:9090/ Last login: Wed Jun 30 06:28:56 UTC 2021 on tty1 sa@linuxserver:~\$ sudo nextcloud.occ config:system:get trusted_domains [sudo] password for sa: 128.1.13.100 sa@linuxserver:~\$ sudo nextcloud.occ config:system:set trusted_domains 1 --value=tgiek.cloudns.ph System config value trusted_domains => 1 set to string tgiek.cloudns.ph sa@linuxserver:~\$ sudo nextcloud.occ config:system:get trusted_domains 128.1.13.100 tglek.cloudns.ph sa@linuxserver:~\$ sudo ufw allow 80,443/tcp Skipping adding existing rule Skipping adding existing rule (v6) sa@linuxserver:~\$ _

Установка Mariadb и Mysql

sa@linuxserver:-\$ sudo apt install mariadb-server
Reading package lists Done
Building dependency tree
Reading state information Done
The following additional packages will be installed:
galera-3 libcgi-fast-perl libcgi-pm-perl libconfig-inifiles-perl libdbd-mysgl-perl libdbi-perl libercode-locale-perl libfcgi-perl libhtml-parser-perl
libhtml-tagset-perl libhtml-template-perl libhttp-date-perl libhttp-message-perl libio-html-perl liblwp-mediatypes-perl libmysglclient21 libsnappy1v5
libterm-readkey-perl libtimedate-perl liburi-perl mariadb-client-10.3 mariadb-client-core-10.3 mariadb-common mariadb-server-10.3 mariadb-server-10.3
mysal-common socat
Support of mackages:
The following NEW packages will be installed:
galera-3 libcei-fast-perl libcei-perl libconfig-inifiles-perl libdbd-mysgl-perl libdbi-perl libencode-locale-perl libfcgi-perl libhtml-parser-perl
libhtml-tagset-per] libhtml-template-per] libhttp-date-per] libhttp-message-per] libio-html-per] liblum-mediatypes-per] libhtmg/alclient21 libsnamp/1/5
librar reader por librinedate-per libri-per mariadh-client-10.3 mariadh-client-core-10.3 mariadh-common mariadh-server mariadh-server-10.3
sa@linuxserver:∽\$ systemctl status mariadb
• mariadb.service - MariaDB 10.3.29 database server
Loaded: loaded (/lib/systemd/system/mariadb.service; enabled; vendor preset: enabled)
Active: active (running) since Fri 2021-07-09 08:28:16 UTC; 4min 3s ago
Docs: man:mysqld(8)
https://mariadb.com/kb/en/library/systemd/
Main PID: 29193 (mysqld)
Status: "Taking your SOL requests now"
Tasks: 31 (limit: 9448)
Memory: 65.1M
CGroup: /system.slice/mariadb.service
L_29193 /usr/sbin/mysgld
Jul 09 08:28:17 linuxserver /etc/mysql/debian-start[29232]: Processing databases
Jul 09 08:28:17 linuxserver /etc/mysql/debian-start[29232]: information_schema
Jul 09 08:28:17 linuxserver /etc/mysql/debian-start[29232]: mysql
Jul 09 08:28:17 linuxserver /etc/mysql/debian-start[29232]: performance_schema
Jul 09 08:28:17 linuxserver /etc/mysql/debian-start[29232]: Phase 6/7: Checking and upgrading tables
Jul 09 08:28:17 linuxserver /etc/mysql/debian-start[29232]: Processing databases
Jul 09 08:28:17 linuxserver /etc/mysql/debian-start[29232]: information_schema
Jul 09 08:28:17 linuxserver /etc/mysql/debian-start[29232]: performance_schema
Jul 09 08:28:17 linuxserver /etc/mysql/debian-start[29232]: Phase 7/7: Running 'FLUSH PRIVILEGES'
Jul 09 08:28:17 linuxserver /etc/mysql/debian-start[29232]: OK
sa@linuxserver:-\$
sa@linuxserver:-\$ sudo mysql_secure_installation
NOTE: RUNNING ALL PARTS OF THIS SCRIPT IS RECOMMENDED FOR ALL MariaDB
SERVERS IN PRODUCTION USE! PLEASE READ EACH STEP CAREFULLY!

In order to log into MariaDB to secure it, we'll need the current password for the root user. If you've just installed MariaDB, and you haven't set the root password yet, the password will be blank, so you should just press enter here.

Enter current password for root (enter for none):

nu defeult e Menienn in	stillation has an anomenus usan alla ing anung	
to log into MariaDB with	stallation has an anonymous user, allowing anyone wut having to have a user account created for	
them. This is intended go a bit smoother. You	only for testing, and to make the installation should remove them before moving into a	
production environment.		
Remove anonymous users?	[Y/n]	
Success!		
Normally, root should on	ly be allowed to connect from 'localhost'. This	
ensures that someone can	not guess at the root password from the network.	
Disallow root login remo	tely? [Y/n]	
By default, MariaDB come access. This is also in	s with a database named 'test' that anyone can itended only for testing, and should be removed	
before moving into a pro	duction environment.	
Remove test database and	access to it? [Y/n]	
- Dropping test databas	e	
 Removing privileges o Success! 	n test database	
Polooding the privilege	tables will ensure that all changes made as for	
will take effect immedia	tely.	
Reload privilege tables	now? [Y/n]	
Success!		
Cleaning up		
Reload privilege tables Success!	now? [Y/n]	
Cleaning up		
All done! If you've com	nlated all of the above stans your Mariana	
installation should now	be secure.	
Thanks for using MariaDB	1	
sa@linuxserver:~\$ sudo ma	ariadb onitor Commands end with or \g	
Your MariaDB connection :	id is 57	
Server version: 10.3.29-	Mariadb-euduntue.20.04.1 Obuntu 20.04	
Copyright (c) 2000, 2018	, Oracle, MariaDB Corporation Ab and others.	
Type 'help;' or '\h' for	help. Type '\c' to clear the current input statement.	
MariaDB [(none)]> CREATE	DATABASE nextcloud;	
Query OK, 1 row affected	(0.000 sec)	
MariaDB [(none)]> show da	atabases;	
Database		
++ information_schema		
mysql nextcloud		
performance_schema		
++ 4 rows in set (0.000 sec)	
MariaDB ((none))>		

<u>Docker</u> — программное обеспечение для автоматизации развёртывания и управления приложениями в средах с поддержкой контейнеризации. Позволяет «упаковать» приложение со всем его окружением и зависимостями в контейнер, который может быть перенесён на любую Linux-систему с поддержкой cgroups в ядре, а также предоставляет среду по управлению контейнерами.

Установку Docker мы будем производить на базе серверной операционной системы Ubuntu 20.04

Установка

Перед началом установки обновим базу пакеты

sudo apt update

UBUNTU		☐ Привилегированный ⑦ Help
—— Узел	linuxserver	sa@linuxserver: ~ Стиль отображения: Чёрный 💌 Сброс
Данель	Q Search	sa@linuxserver:~\$ sudo apt update [sudo] password for sa: Hit:1 http://nu.archive.ubuntu.com/ubuntu focal InRelease
мониторинга	Журналы	▲ Get:2 http://ru.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB] Get:3 http://ru.archive.ubuntu.com/ubuntu focal-updates InRelease [141 kB]
	Хранилище	Get:4 http://ru.archive.ubuntu.com/ubuntu focal-sacupits Inkelease [101 kB] Get:4 http://ru.archive.ubuntu.com/ubuntu focal-security InRelease [114 kB]
	Сеть	Get: 6 http://ru.archive.ubuntu.com/ubuntu focal-updates/main amode Packages [1126 kb] Get: 6 http://ru.archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [843 kB] Fetched 2297 kB in 2s (951 kB/s)
	Учётные записи	Reading package lists Done
	Службы	Reading state information Done 17 packages can be upgraded. Run 'apt listupgradable' to see them.

Следующим шагом будем установка необходимых пакетов для корректной работы docker

sudo apt install apt-transport-https ca-certificates curl software-properties-common



Добавляем ключ GPG официального репозитория Docker:

curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt-key add -



Подключаем репозиторий Docker

sudo add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/ubuntu focal stable"

UBUNTU		🔓 Привилегированный 🕐 Help 😑 sa 🕶
—— Узел	linuxserver	sa@linuxserver: ~ Стиль отображения: Чёрный 🔻 Сброс
Панель мониторинга	Q Search	OK sa@linuxserver:~\$ sudo add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/ubuntu
	Журналы	Hit:1 http://ru.archive.ubuntu.com/ubuntu focal InRelease Hit:2 http://ru.archive.ubuntu.com/ubuntu focal-updates InRelease
	Хранилище	Hit:3 http://ru.archive.ubuntu.com/ubuntu focal-backports InRelease
	Сеть	Get:5 https://download.docker.com/linux/ubuntu focal InRelease [52.1 kB]
	Учётные записи	Fetched 62.3 kB in 18 (101 kB/s) Reading package lists Done

После добавления нового репозитория обязательно обновим базу пакетов, иначе при выполнении команды установки система не будет знать что этот пакет доступен

sudo apt update

UBUNTU		🔒 Привилегированный 📀 Неlp 📄 sa ▾
<u>——</u> Узел	linuxserver	sa@linuxserver: ~ Стиль отображения: Чёрный 🔻 Сброс
Панель	Q Search	<pre>sa@linuxserver:~\$ sudo apt update Hit:1 http://ru.archive.ubuntu.com/ubuntu focal InRelease Hit:2 http://ru.archive.ubuntu.com/ubuntu focal undates IsRelease</pre>
мониторинга	Журналы	 Hit:2 http://ru.archive.ubuntu.com/ubuntu focal-backports InRelease Hit:4 http://ru.archive.ubuntu.com/ubuntu focal-security InRelease
	Хранилище	Hit:5 https://download.docker.com/linux/ubuntu focal InRelease Reading package lists Done
	Сеть	Building dependency tree Reading state information Done
	Учётные записи	15 packages can be upgraded. Run 'apt listupgradable' to see them.



sudo apt install docker-ce

UBUNTU		🔓 Привилегированный 📀 Help 😑 sa 🗸							
 Узел	linuxserver	sa@linuxserver: ~ Стиль отображения: Чёрный 🔻 Сброс							
Панель	Q Search	<pre>sa@linuxserver:~\$ sudo apt install docker-ce Reading package lists Done</pre>							
мониторинга	Журналы	Reading state information Done The following additional packages will be installed:							
	Хранилище	containerd io docker-ce-cli docker-ce-rootless-extras docker-scan-plugin pigz slirp4netns Suggested packages:							
	Сеть	aufs-tools cgroupfs-mount cgroup-lite The following NEW packages will be installed:							
	Учётные записи	containerd.io docker-ce docker-ce-cli docker-ce-rootless-extras docker-scan-plugin pigz slirp4netns 0 upgraded, 7 newly installed, 0 to remove and 15 not upgraded. Need to get 104 MB of archives.							
	Службы								
		After this operation, 448 MB of additional disk space will be used. Do you want to continue? [Y/n] Y							
	Обновления 🚯	Get:1 http://ru.archive.ubuntu.com/ubuntu focal/universe amd64 pigz amd64 2.4-1 [57.4 kB]							
	программного	Get:2 http://ru.archive.ubuntu.com/ubuntu focal/universe amd64 slirp4netns amd64 0.4.3-1 [74.3 kB]							
	обеспечения	MB]							
	Приложения	Get:4 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-ce-cli amd64 5:20.10.7~3-0~ ubuntu-focal [41.4 MB]							
	Терминал	Get:5 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-ce amd64 5:20.10.7~3-0~ubun tu-focal [24.8 MB]							

После установки Docker проверим, запущен ли демон

sudo systemctl status docker

JBUNTU			🔓 Привилегированный 🕐 Неір 🧶 sa ч
—— Узел	linuxserver		sa@linuxserver: ~ Стиль отображения: Чёрный 🔻 Сброс
Панель	Q , Search		<pre>sa@linuxserver:~\$ sudo systemctl status docker o docker.service - Docker Application Container Engine Loaded: Loaded (/lib/cystemd/cystem/docker service: enabled: vendor preset: enabled)</pre>
мониторинга	Журналы	^	Active: active (running) since Fri 2021-07-23 13:33:34 MSK; 27s ago TriggeredBy: • docker.socket
	Хранилище		Docs: https://docs.docker.com Main PID: 1131639 (dockerd)
	Сеть		Tasks: 10 Memory: 39.6M
	Учётные записи		CGroup: /system.slice/docker.service └─1131639 /usr/bin/dockerd -H fd://containerd=/run/containerd/containerd.sock
	Службы	_	Jul 23 13:33:34 linuxserver dockerd[1131639]: time="2021-07-23T13:33:34.147222016+03:00" level=war Jul 23 13:33:34 linuxserver dockerd[1131639]: time="2021-07-23T13:33:34.147226695+03:00" level=war Jul 23 13:33:34 linuxserver dockerd[1131639]: time="2021-07-23T13:33:34.147231013+03:00" level=war
	Обновления	0	Jul 23 13:33:34 linuxserver dockerd[1131639]: time="2021-07-23T13:33:34.147360720+03:00" level=inf
	программного		Jul 23 13:33:34 linuxserver dockerd[1131639]: time="2021-07-23T13:33:34.245660085+03:00" level=inf
	обеспечения		Jul 23 13:33:34 linuxserver dockerd[1131639]: time="2021-07-23T13:33:34.531044250+03:00" level=inf
	Приложения		Jul 23 13:33:34 linuxserver dockerd[1131639]: time="2021-07-25113:33:34.643724759+03:00" level=inf
	Терминал		Jul 23 13:33:34 linuxserver systema[1]: Started Docker Application Container Engine.

Запуск первого Docker контейнера

Образы контейнеров Docker загружаются с Docker Hub

Загрузим тестовый контейнер hello-world



Для поиска образов в Docker Hub используется команда search и ключевое слово поиска. К примеру вывод всех контйенеров в которых упоминается web

docker sear	ch web						
UBUNTU				🔒 Привилегированны	й 🕐 Не	elp	sa 🗸
—— Узел	linuxserver		root@linuxserver: /home/sa	Стиль отображения	к: Чёрный	• (Сброс
Панель	Q Search		<pre>sock: Get http://%2Fvar%2Fr n/docker.sock: connect: per sa@linuxserver:~\$ sudo su</pre>	run%2Fdocker.sock/v1.24/images/search?limit=25&ter mission denied	m=web: dia	al unix /	var/ru Î
мониторинга	Журналы Хранилище	^	root@linuxserver:/home/sa# NAME	docker search web DESCRIPTION	STARS	OFFICIA	AL AU
			TOMATED php	While designed for web development, the PHP		[OK]	
	Сеть		django redmine	Django is a free web application framework, Redmine is a flexible project management web	1089 1001	[ок] [ок]	
	Учётные записи		mongo-express drupal	Web-based MongoDB admin interface, written w Drupal is an open source content management	989 866	[ок] [ок]	
	Службы		jetty phpmyadmin	Jetty provides a Web server and javax.servle phpMyAdmin - A web interface for MySOL and M	368 280	[ок] [ок]	
			websphere-liberty	WebSphere Liberty multi-architecture images	276	[ок]	
			caddy	Caddy 2 is a powerful, enterprise-ready, ope	248	[OK]	
	Обновления	0	vulnerables/web-dvwa	Damn Vulnerable Web App (DVWA) is a PHP/MySQ…	163		[0
	программного обеспечения		۲ J webdevops/php-apache-dev	PHP with Apache for Development (eg. with xd		[[0
	Приложения		webdevops/php-apache Kl	Apache with PHP-FPM (based on webdevops/php)	118		[0
	Терминал		bytemark/webdav K]	Docker image for running an Apache WebDAV se…	81		[0

Для того чтобы загрузить нужный контейнер достаточно выполнить pull и указать имя контейнера

docker pull php

После загрузки контейнера его нужно будет запустить командой run

```
root@linuxserver:/home/sa# docker pull php
Using default tag: latest
latest: Pulling from library/php
33847f680f63: Pull complete
ba03c99d34ed: Pull complete
5f637ed06e1a: Pull complete
ecfd84713df3: Pull complete
f2dec4597310: Pull complete
41f6b15a8388: Pull complete
c69d53c487e0: Pull complete
2ff7425fe87f: Pull complete
f7f74e94d60d: Pull complete
Digest: sha256:ef030aa4417449510146fb48a4221e615088102604fe51de8ffaa4e97d08a2ce
Status: Downloaded newer image for php:latest
docker.io/library/php:latest
root@linuxserver:/home/sa#
```

docker run php

Еще одна команда которая может вам пригодится - просмотр загруженных образов.



docker images

Она выводит все образы которые были загружены на сервер

root@linuxserver:/home/sa# docker images							
REPOSITORY	TAG	IMAGE ID	CREATED	SIZE			
php	latest	d89d682741be	4 days ago	423MB			
hello-world	latest	d1165f221234	4 months ago	13.3kB			
root@linuxserver:/home/sa#							

Установка и запуск сервера Collabora

На практике лучше работает Collabora, установленная в качестве docker-контейнера.

После готов, как мы установили и запустили Docker, для получения нужного нам контейнера вводим команду:

Процесс загрузки займет несколько минут — в итоге мы должны увидеть:

Status: Downloaded newer image for collabora/code:latest

Для запуска контейнера нам нужен правильный сертификат, полученный на домен. Его можно купить или <u>запросить бесплатно в Let's Encrypt</u>. Предположим, что мы сохранили наш сертификат по пути **/etc/letsencrypt/live/collabora.superadmins.co**

Команда для запуска контейнера с сервером collabora следующая:

docker run --name collabora -t -d -p 9980:9980 --add-host "nextcloud.superadmins.co":128.1.26.200 -v "/etc/letsencrypt/live/collabora.superadmins.co/fullchain.pem":/etc/loolwsd/ca-chain.cert.pem -v "/e tc/letsencrypt/live/collabora.superadmins.co/privkey.pem":/etc/loolwsd/key.pem -v "/etc/letsencrypt /live/collabora.superadmins.co/fullchain.pem":/etc/loolwsd/cert.pem -e 'DONT_GEN_SSL_CERT=true' -e " domain=nextcloud\\.dmosk\\.ru" -e "dictionaries=en ru" -e "username=admin" -e "password=passadmin" --restart always --cap-add MKNOD collabora/code

* в итоге, наш контейнер будет слушать сетевые запросы на порту **9980** (параметр **p**); мы добавим для разрешения имени **nextcloud.superadmins.co** (нашего сервера Nextcloud) IP-адрес **128.1.26.200** (--**add-host**); в контейнер добавим файлы сертификатов (-**v**); в конфигурацию collabora добавим запрет на создание нового сертификата, добавим наш сервер nextcloud для разрешения подключаться к серверу; используем русский и английские языки; задаем логин и пароль для администратора nextcloud.

Настройка Nextcloud

В данной инструкции мы рассмотрим пример связки Collabora c Nextcloud. Для Owncloud действия будут похожи.

Для интеграции Collabora с Nextcloud заходим на веб-интерфейс последней и заходим в настройки:



В меню слева кликаем по Collabora Online Development Edition:



В поле URL-адрес (и порт) сервера документов Collabora Online добавляем адрес нашего сервера collabora:



* важно, чтобы запрос был на доменное имя. Таким образом, домен должен быть зарегистрирован в DNS. Если у нас есть недочеты с сертификатом (например, нет

полной цепочки) ставим галочку **Отключить проверку сертификата** (небезопасно).

Переходим к папкам и файлам на облачном сервисе. Пробуем открыть любой документ docx или создать новый — он должен открыться в Collabora:



Управление контейнерами

Просмотр списка активных контейнеров

docker ps			
Вывод будет следующий			
CONTAINER ID	IMAGE	COMMAND	CREATED
Просмотр контейнеров системы			
docker ps -a			
Список последних созданных контейнеров			
docker ps -l			