Пользовательские статьи

? ?????? ????? ???????????????? ???????????? ????? ????????? ???? ?????????? ??????. ????? ?????????? ????????? ????? ?????? ????? ???? ?????????? ? ???????????? ??????? ???? ??????.

- ??????????/????????? KUMA ?????? ?? 2.0.? (???????????? «??? ? ?????»)
- ??????????/????????? KUMA ?????? ?? 2.0.? (????????????? ??????????)
- ????????? IPv6 Oracle\CentOS\RedHat

Обновление/Установка KUMA версии до 2.0.X (инсталляция «все в одном»)

?? ?????????? ??????

https://www.youtube.com/embed/5DksX12RTHo?si=HUUIsqvSfQYVNv3M

1. ???????? ????????? ????? ???????? ? ????????????, ??. ?????????? ?????? ? ???? ??????????.

2. ?????????? ?????:

   ```
   tar -xvf kuma-ansible-installer-(??????).tar.gz
   ```

3. ????????? ? ????????????? ?????:

   ```
   cd kuma-ansible-installer
   ```

4. ????????? ??????? ??????????? ???????:

   ```
   cp single.inventory.yml.template single.inventory.yml
   ```

5. ??? ???????????????? ????? ????? ? ????????????, ??????????? ??????? ????:

   ```
   sed -i "s/kuma.example.com/$(hostname -f)/g" single.inventory.yml
   ```

   ???? ?????????? ????? ????????????????? ???? ??? ??????????. ? ?????? ?????? ?????? ????? ?????????? ?? ????????? ?????? ????????. ???? ??????????? ?? ????? ????????????? ??????? ? ????? `single.inventory.yml` ? ?????? (???????? false) `deploy_example_services: false`.

6. ???????? ???? ???????? ? ????? `kuma-ansible-installer/roles/kuma/files` ? ????????????? ?? `license.key`

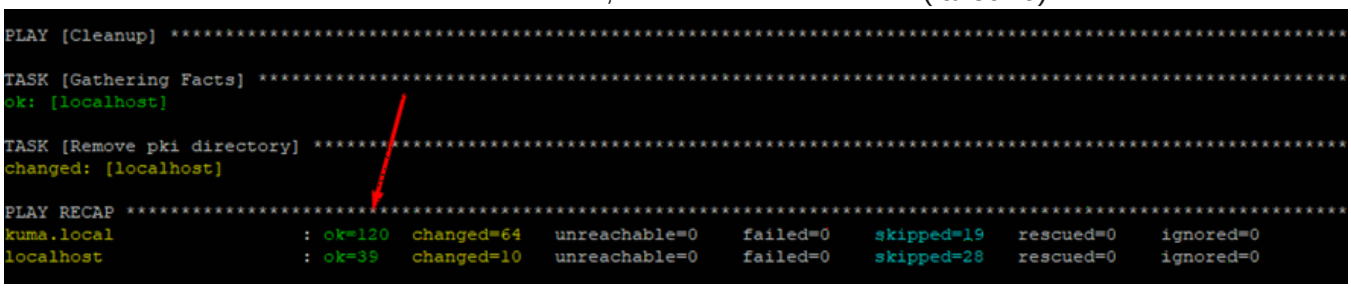
7. ?????? ? ?? ??-??? ???????????????? (root):

   ```
   sudo -i
   ```

8. ????????? ?????????:

   ```
   ./install.sh single.inventory.yml
   ```

9. ?????? ??? ??????????? ?????????? ????, ?????? ??????????? (failed=0):



10. ??????? ?? ??? ????????? ???? KUMA ?? ?????? ???? - `https://<FQDN_CORE or IP_CORE>:7220` ??????? ?????? ??? ????? ?? ?????????: `admin / mustB3Ch@ng3d!`
11. ??????? ?? ??? ?????????, ????????? ?????? Storage. ??? ????? ????????? ?? ???????: ??????? - ???????? ???????. ???? ?????? Storage ?????????? ?? ???????? (???????? ?????????? ?????? ????? ????? ????? ????? ????????), ?? ????????? ???????????? ???????.

????? ??????????? ???? ?????????? ??? ????-??????? ?????? ???? ? ??????? ???????. ??????????? ?????? ????? ?????????, ??????? ?? ??????? ??????? ? ????? ?? ?????? ?????????????? ?????? (?????), ?????? ????????? ???????, ??????????? KUMA ??? ????????? «??????? ?? ???????». ???? ??? ?????? ????????? ??????, ?? ?????????? ????????? ??????? ???????? ? ??? ?????????? KUMA. ???????? ????????? ??????????? ?? ????? ????????? ? ???????? ????????????? ???????? ??????????? ??????????? ? ?????? ????????.

Обновление/Установка KUMA версии до 2.0.X (распределенная инсталляция)

?? ?????????? ??????

1. ???????? ????????? ????? ???????? ? ????????????, ??. ?????????? ?????? ? ???? ?????.

2. ?????????? ????? (???????? ??????????? ?? ???? ??????? KUMA):

   ```
   tar -xvf kuma-ansible-installer-(??????).tar.gz
   ```

3. ????????? ? ????????????? ?????:

   ```
   cd kuma-ansible-installer
   ```

4. ???????? ???? ???????? ? ????? `kuma-ansible-installer/roles/kuma/files` ? ????????????? ?? `license.key`:

   ```
   cp ????_??_?????*.key roles/kuma/files/license.key
   ```

5. ????????? ??????? ??????????? ??????? (???? ?????????? ????? ????????????? ???? ??? ??????????):

   ```
   cp distributed.inventory.yml.template distributed.inventory.yml
   ```

6. ???????? ????????? ???? SSH ?? ??? ????????? ????? ? ??? ????? ? ??? ????? ? ???????? ?????????? ?????????????:

   1. ?? ???? ?????? ? ???????????? ??????? SSH ?????? ???? ???????? ????? ?????????? ????? ?? ????????????????!

   2. ?? ????? ? ???????? ?????????? ????????????? ???????????? ???? ???????? (??? ???????? ?????? ? ???. ??????????):

      ```
      ssh-keygen -t rsa
      ```

   3. ???????? ???? ?? ssh ?? ????????? ????? ? ?? ??? ???? ?????????????:

      ```
      ssh-copy-id login@remote_host_fqdn
      ```

7. ????????????? ???? ????????? ? ????????:

   ```
   nano distributed.inventory.yml
   ```

? ?????? ?????? ?????? ????? ?????????? ?? ????????? ?????? ????????.

?????????? keeper (ZooKeeper) ?????? ???? ???????? (??????? 3). ????, ????????, ????????? ???, ?? ? ????? ????????? ??????? ? `storage: hosts: <??????_????????_???_??????>`: (???? ????? ???? core, collector) ? ??? IP ??????? ? ????????? keeper, ?? ???????? ? ??????? ????????. ????????, ???? ???????????? ??? ?????????, ?? ???????????? storage ????? ????????? ????????? ???????:

```
storage:
  hosts:
    kuma-maybe-collector.example.com:
      ip: 1.1.1.1
      keeper: 1
    kuma-storage-1.example.com:
      ip: 0.0.0.0
      shard: 1
      replica: 1
      keeper: 2
    kuma-storage-2.example.com:
      ip: 0.0.0.0
      shard: 1
      replica: 2
      keeper: 3
```

??? ????????????? ?????????? ?????? ????????? ??? ???????? ?????????? ????????? ????????? ? `distributed.inventory.yml`:



Демонстрационные сервисы

???? ?? ??????, ????? ??????????? ????????? ???????????????? ???????, ????????? ????????? deploy_example_services ???????? true (?????? ??? ????? ???????????).

Генерация содержимого файла /etc/hosts

???? ??????? ?????? ?? ???????????????? ? DNS-???? ????? ???????????, ?? ????????? ????????? generate_etc_hosts ???????? true ? ??? ?????? ?????? ? ?????????, ???????? ???????? ????????? ip 0.0.0.0 ?? ?????????? IP-??????.

Список целевых машин

? ????? ?????????? 4 ??????, ??????????? ?????????? ???????? ??????????? KUMA: core, collector, correlator, storage. ??????? ??????? ?????? ? ???? ?? ?????, ?? ????????????? ??????????? ?????????? ?? ??? ?????????????? ????????? KUMA. ? ?????? ?????? ???????? ?????? ? ????????? *.example.com ?? ?????????? ????? ?????? ??????? ?????.

- ?????? core. ????? ????????? ?????? ???? ??????? ??????.
- ?????? collector. ????? ????????? ???? ??? ????????? ??????? ?????.
- ?????? ?orrelator. ????? ????????? ???? ??? ????????? ??????? ?????.
- ?????? storage. ????? ????????? ???? ??? ????????? ??????? ?????. ?????? ?????? ?????? ????? ???? ?? ????????? ?????????? ??????????:

- shard + replica + keeper
- shard + replica
- keeper

??? ?????????? ???????? ????????? ????? ???????? **???**.

???? ????????? ????, ?? ???????? ????????? shard + replica + keeper, ??? ? kuma-storage-1.example.com

????? ??????? ????????? ??????????? KUMA ???????? ????????? ????????? ? ?????? ?? ??????, ???? ??????? ???? ????????.

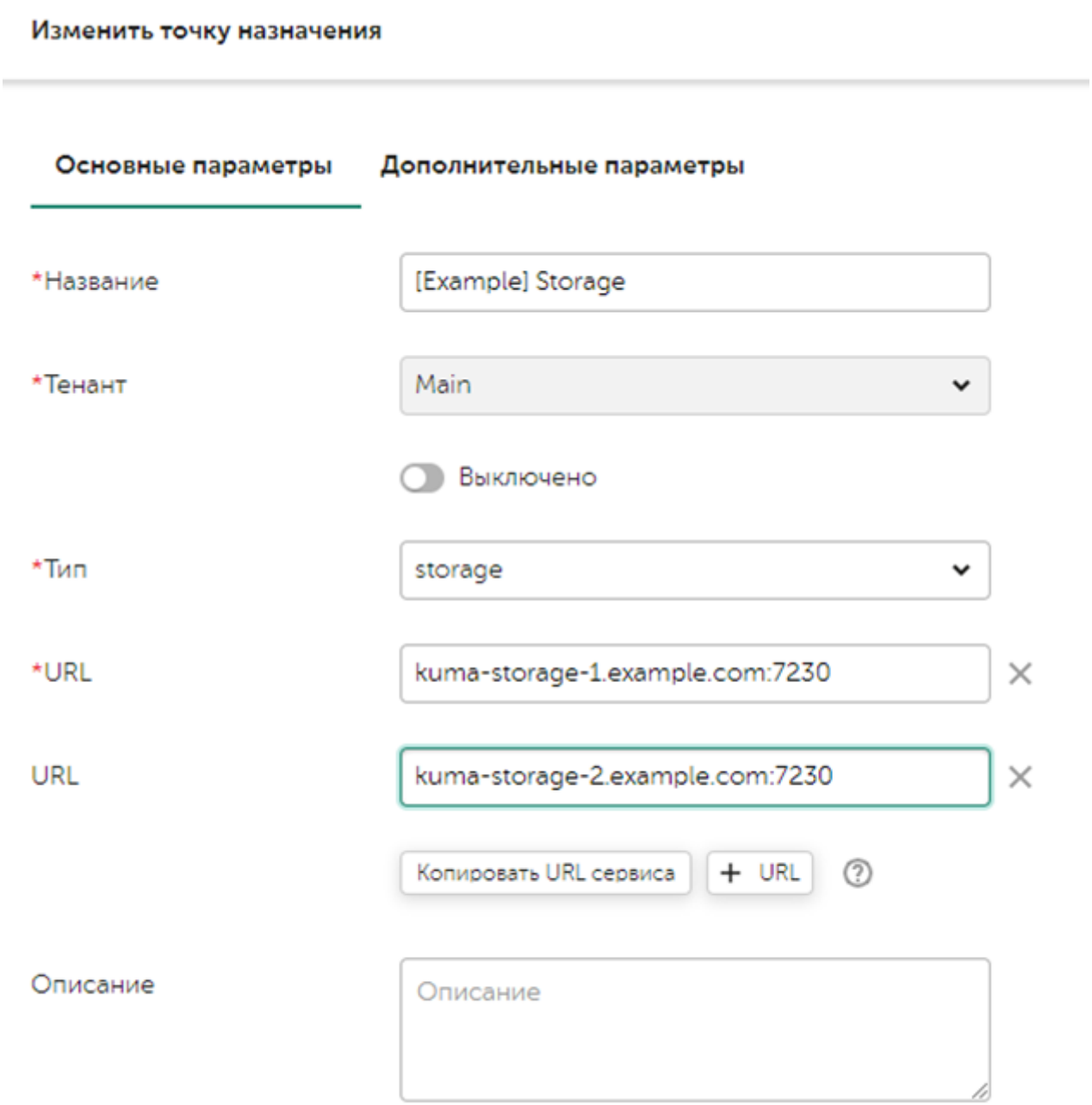
8. ?????? ? ?? ??-??? ???????????????? (root):

```
sudo -i
```

9. ????????? ??????? ???????????:

```
./install.sh distributed.inventory.yml
```

10. ????????? ????????? storage ?? ????????????? ???? ????????. ? ?????? ?????????? ????? ???????? URL ??????? ?????????, (???? ???????????? ????????? keeper, ?? ?? ?? ????? ????????? ? ?????? ??????????) ?????? ????:


Изменить точку назначения
Основные параметры
Дополнительные параметры
*Название
[Example] Storage
*Тенант
Main
Выключено
*Тип
storage
*URL
kuma-storage-1.example.com:7230
URL
kuma-storage-2.example.com:7230
Копировать URL сервиса
+ URL
Описание
Описание

??????????? ?????? ????? ?????????, ??????? ?? ??????? ??????? ? ????? ?? ?????? ?????????????? ?????? (?????), ?????? ????????? ???????, ??????????? KUMA ??? ????????? «??????? ?? ???????». ???? ??? ?????? ????????? ??????, ?? ?????????? ????????? ??????? ???????? ? ??? ?????????? KUMA. ???????? ????????? ??????????? ?? ????? ????????? ? ???????? ????????????? ???????? ??????????? ??????????? ? ?????? ????????.

Включение IPv6 Oracle\CentOS\RedHat

> ??????????, ??????????? ?? ?????? ????????, ???????? ??????????? community KUMA ? **НЕ** ???????? ??????????? ????????????? ???????.

??? ????, ????? ???????? IPv6 ??? ???????????:

1. ????????? ??????? ???? ????? ?? ????? IPv6 ? ?????????? ????????? (no\yes), ? ????? `/etc/sysconfig/network-scripts/ifcfg-` `ens192` (??? ?????????? ????? ????????, ?????? ?????????? ???????? ???????? ip a) ??? ? ???????, ???? ?? ??? - ????????? ?? (??? ????????????? ?????? ????????.):

   ```
   IPV6INIT=yes
   IPV6_DEFROUTE=yes
   IPV6_FAILURE_FATAL=no
   ```

2. ????????? ????? `/etc/sysctl.d/*` ?? ??????? ??????, ???? ??? ???? - ???? ? ??? ????????? ?????? ????????????. ?????? ????????????:

   ```
   net.ipv6.conf.lo.disable_ipv6 = 1
   net.ipv6.conf.all.disable_ipv6 = 1
   net.ipv6.conf.default.disable_ipv6 = 1
   ```

   ???? ?????? **.conf ? ????? /etc/sysctl.d/ ???, ??? ??????????? ??????, ?????????? ?????? IPv6 - ???? ? ???? /etc/sysctl.conf ? ???? ? ??? ?????? ??????, ???? ????? - ???????????? ?? (#????? ???????).
3. ?????? ??????? `sysctl -p`, IPv6 ????????? ?????? ????????. ????????? ???????? ip -6 addr
4. ???? ????? ?? ????????, ????????? ???? `/etc/default/grub` ? ?????? GRUB_CMDLINE_LINUX ????????? `ipv6.disable=0` ?????? ??????????: `GRUB_CMDLINE_LINUX="ipv6.disable=0"`, ????? ? ???? ?????? ????? ???? ?????? ?????????, ?? ??????? ??, ? ?????????. ??????? ??????? ?? ?????.
5. ????????? ??????? `sudo grub2-mkconfig` ? `sudo init 6`. ?????? ??????????????.
6. ????????? ????????`ip -6 addr`

Особый случай с RedOS 8:

??? ????????????? ???????????? ???? ?????????, ?? grub ?? ??????????.
???????? ??????? ?????? ???? /boot/grub2/grub.cfg ??? ??? ?????????? ?????? (???????? ??????)
????? ?????? ????? ?? ???????? ????????? grub2-mkconfig

```
        initrd  /initramfs-6.6.51-1.red80.x86_64.img
}
menuentry 'RED OS (6.6.51-1.red80.x86_64) 8.0 (recovery mode)' --class red --class gnu-linux --class gnu --class os --unrestricted $menuentry_id_option 'gnulinux-6.6.51-1.red80.x86_64-recovery-[redacted]' --
{
        load_video
        set gfxpayload=1024x768x32
        insmod gzio
        insmod part_msdos
        insmod ext2
        set root='hd0,msdos1'
        if [ x$feature_platform_search_hint = xy ]; then
          search --no-floppy --fs-uuid --set=root --hint-bios=hd0,msdos1 --hint-efi=hd0,msdos1 --hint-baremetal=ahci0,msdos1 --hint='hd0,msdos1' [redacted]
        else
          search --no-floppy --fs-uuid --set=root [redacted]
        fi
        echo    'Loading Linux 6.6.51-1.red80.x86_64 ...'
        linux   /vmlinuz-6.6.51-1.red80.x86_64 root=/dev/mapper/vg0-root ro single crashkernel=192M rd.lvm.lv=vg0/root vga=833 console=tty0 loglevel=6 consoleblank=0 selinux=0 ipv6.disable=1 crashkernel=192M
        echo    'Loading initial ramdisk ...'
        initrd  /initramfs-6.6.51-1.red80.x86_64.img
}
menuentry 'RED OS (6.6.26-1.red80.x86_64) 8.0' --class red --class gnu-linux --class gnu --class os --unrestricted $menuentry_id_option 'gnulinux-6.6.26-1.red80.x86_64-[redacted]' {
        load_video
        set gfxpayload=1024x768x32
        insmod gzio
        insmod part_msdos
        insmod ext2
        set root='hd0,msdos1'
        if [ x$feature_platform_search_hint = xy ]; then
          search --no-floppy --fs-uuid --set=root --hint-bios=hd0,msdos1 --hint-efi=hd0,msdos1 --hint-baremetal=ahci0,msdos1 --hint='hd0,msdos1' [redacted]
        else
          search --no-floppy --fs-uuid --set=root [redacted]
        fi
        echo    'Loading Linux 6.6.26-1.red80.x86_64 ...'
        linux   /vmlinuz-6.6.26-1.red80.x86_64 root=/dev/mapper/vg0-root ro crashkernel=192M rd.lvm.lv=vg0/root vga=833 console=tty0 loglevel=6 consoleblank=0 selinux=0 ipv6.disable=1 crashkernel=192M
        echo    'Loading initial ramdisk ...'
        initrd  /initramfs-6.6.26-1.red80.x86_64.img
}
```