Установка DNS-сервиса

Установка BIND DNS

> **Примечание.** ???? ? ????????? ??? DNS-?????????, ????? ?????????? ????????? ?????? BIND DNS.

???? ???? ?????????? ????????? ?? ??????? SMP, ??????????? ? ????????? XDR.

1. ???????? ?????? ???????:

```
sudo apt-get update
```

2. ?????????? BIND9 ? DNS-???????????:

```
sudo apt-get install -y bind9 bind9utils dnsutils
```

3. ???????? ? ????????? ?????? BIND9:

```
sudo systemctl enable --now bind9
```

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

```
sudo mkdir -p /etc/bind/zones
```

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

```
HOST=$(hostname -s)
```

6. ?????????, ??? ???? ???????????? ????????? ??? ??????????:

```
sudo touch /etc/bind/named.conf.local
```

7. ??????? ???? ? ????? ???? ? ???????? ??????????? ???? (?????? ???? ??? ??? ?? ?????????). ?????? `example.local` ??????????? ???? ????? ??? SMP.

```
ZFILE="/etc/bind/zones/db.example.local"
grep -q "zone \"example.local\"" /etc/bind/named.conf.local || sudo tee -a /etc/bind/named.conf.local
>/dev/null <<EOF

zone "example.local" {
 type master;
 file "example.local";
};
```

```
EOF
```

8. ???????? ???? ???? ? A-???????? ??? ?????? ??????:

> ????? `example.local` - ????? OSMP, `xdr.example.local` - ??? ??????????? ??????? OSMP, `10.10.20.96` - ????? ????? k8s, `10.10.20.208` - ????? ??????????? ??????? OSMP. ???????? ??? ?????? ?? ???? ????????.

```
SERIAL=$(date +%Y%m%d01)
sudo tee "/etc/bind/zones/db.example.local" >/dev/null <<EOF
\$TTL 604800
@ IN SOA ns.example.local. admin.example.local. (
 $SERIAL
 604800
 86400
 2419200
 604800 )
@ IN NS ns.example.local.
ns IN A 10.10.20.208
api IN A 10.10.20.96
kuma IN A 10.10.20.96

*.kuma IN A 10.10.20.96
monitoring IN A 10.10.20.96
admsrv IN A 10.10.20.96
console IN A 10.10.20.96

agentserver IN A 10.10.20.96

updater IN A 10.10.20.96
xdr.example.local IN A 10.10.20.208
EOF
```

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

```
sudo named-checkconf
```

10. ????????? ???? ???? (???????? `example.local` ?? ??? ?????? ??????):

```
sudo named-checkzone "example.local" "/etc/bind/zones/db.example.local"
```

11. ????????????? BIND9:

```
sudo systemctl restart bind9
```

12. ????????? ?????????? ???? ?? DNS-??????? (???????? `example.local` ?? ??? ?????? ??????):

```
nslookup console.example.local
nslookup kuma.example.local
nslookup api.example.local
nslookup admsrv.example.local
nslookup monitoring.example.local
nslookup updater.example.local
```

13. ????????? DNS-?????? ???????? ? ??????? dig (???????? `example.local` ?? ??? ?????? ??????):

```
dig @10.10.20.208 api.example.local +short
dig @10.10.20.96 console.example.local +short
dig @10.10.20.96 kuma.example.local +short
```

14. ?? ???????? ????????? ??? ????????? ?????? ?? ????????????? ????? DNS (???????? example.local ? 10.10.20.208 ?? ???? ????????):

```
IFACE=$(ip route | awk '/default/ {print $5; exit}')
sudo resolvectl dns "$IFACE" 10.10.20.208
sudo resolvectl domain "$IFACE" example.local
```

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