# VLAN на роутере

#### Алгоритм

- Создание Bridge
- Создание VLAN
- Добавление портов в Bridge
- Определение тегированный (trunk) и нетегированный (access) порт
- Настройка локальной сети для VLAN
- Настройка DHCP сервера для VLAN

# Bridge→Bridge

/interface bridge
add admin-mac=AA:AA:E7:78:04:D7 auto-mac=no name=Bridge vlanfiltering=yes

### **Interfaces**→**VLAN**

```
/interface vlan
add interface=Bridge name=Bridge-Vlan10 vlan-id=10
add interface=Bridge name=Bridge-Vlan20 vlan-id=20
add interface=Bridge name=Bridge-Vlan30 vlan-id=30
```

### Bridge→Ports

```
/interface bridge port
add bridge=Bridge interface=ether2 pvid=10
add bridge=Bridge interface=ether3 pvid=20
add bridge=Bridge interface=ether4 pvid=30
```

# Bridge→VLANs

```
/interface bridge vlan
add bridge=Bridge tagged=Bridge untagged=ether2 vlan-ids=10
add bridge=Bridge tagged=Bridge untagged=ether3 vlan-ids=20
add bridge=Bridge tagged=Bridge untagged=ether4 vlan-ids=30
```

### IP→Addresses

/ip address

add address=192.168.1.1/24 interface=Bridge-Vlan10
network=192.168.1.0
/ip address
add address=10.20.20.1/24 interface=Bridge-Vlan20
network=10.20.20.0
/ip address
add address=10.30.30.1/24 interface=Bridge-Vlan30
network=10.30.30.0

#### **IP→DHCP** Server→DHCP

/ip dhcp-server
add address-pool=Pool-LAN-10 disabled=no interface=BridgeVlan10 lease-time=\
1d name=DHCP-LAN-10

/ip dhcp-server
add address-pool=Pool-LAN-20 disabled=no interface=BridgeVlan20 lease-time=\
1d name=DHCP-LAN-10

```
/ip dhcp-server
add address-pool=Pool-LAN-30 disabled=no interface=Bridge-
Vlan30 lease-time=\
1d name=DHCP-LAN-30
```