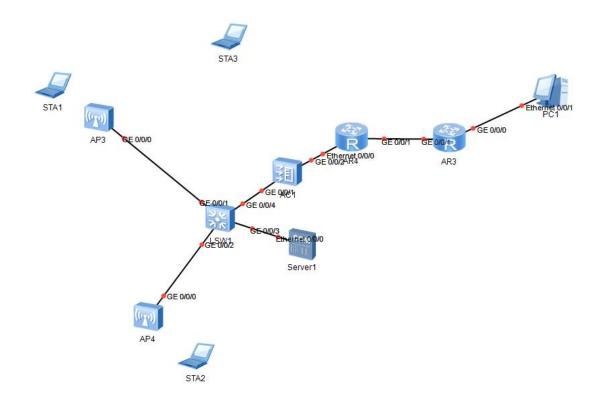
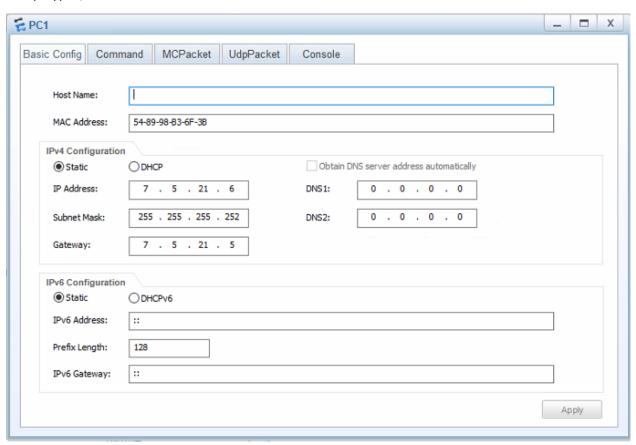
Лабораторная работа №9

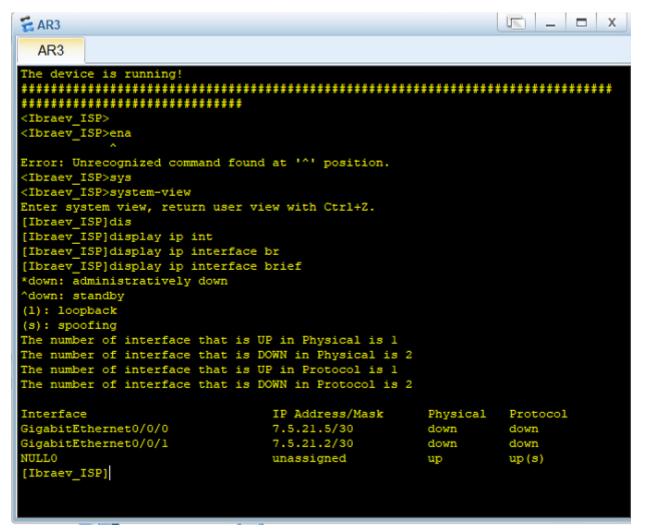
Топология:



Конфигурация РС1:



Конфигурация AR3:

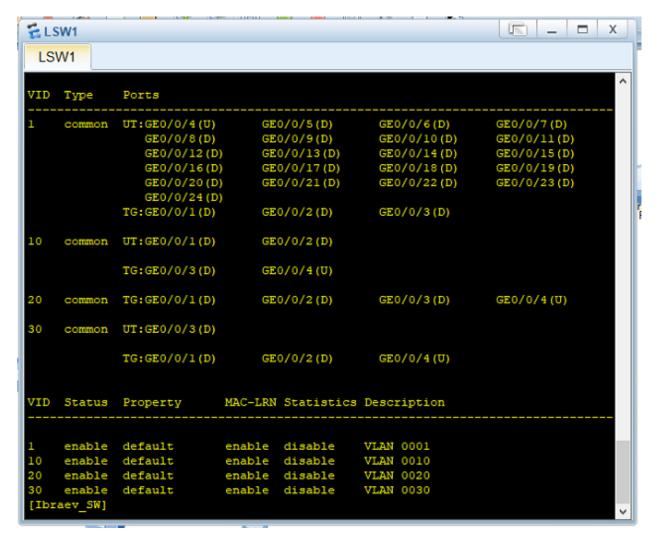


```
[Ibraev_ISP]display ip routing-table
Route Flags: R - relay, D - download to fib
Routing Tables: Public
                               Routes : 4
        Destinations: 4
Destination/Mask
                   Proto
                           Pre Cost
                                          Flags NextHop
                                                               Interface
     127.0.0.0/8
                   Direct 0
                                0
                                           D
                                               127.0.0.1
                                                               InLoopBack0
     127.0.0.1/32 Direct 0
                                0
                                           D
                                               127.0.0.1
                                                               InLoopBack0
127.255.255.255/32 Direct 0
                               0
                                           D
                                               127.0.0.1
                                                               InLoopBack0
255.255.255.255/32 Direct 0
                                0
                                           D
                                               127.0.0.1
                                                               InLoopBack0
[Ibraev ISP]
```

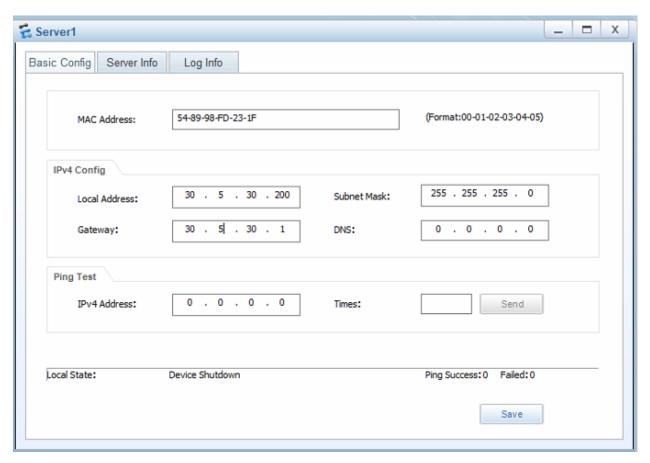
AR4:

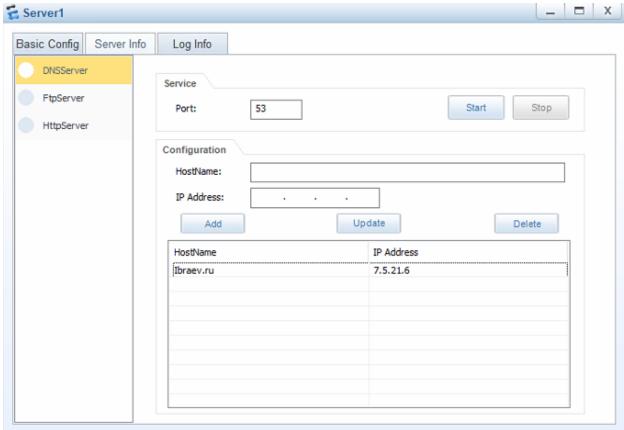
€ AR4									
C AR4						-	- 1		
AC1 AR4									
<pre><ibraev_r>display ip interface brief</ibraev_r></pre>									
*down: administratively down									
_	^down: standby								
	(1): loopback								
(s): spoofing									
The number of inter									
The number of inter									
The number of interface that is UP in Protocol is 4									
The number of interface that is DOWN in Protocol is 2									
Interface			IP Address/Mask				Protocol		
GigabitEthernet0/0/0			unassigned			wn	down		
GigabitEthernet0/0/1			7.5.21.1/30				up		
NULLO			unassigned				up(s)		
Vlanif10			unassigned				down		
Vlanif20			30.5.20.2/24 u				up		
Vlanif30			30.5.30.2/24 up				up		
<pre><ibraev_r>display ip routing-table</ibraev_r></pre>									
Route Flags: R - relay, D - download to fib									
Routing Tables: Puk			_						
Destination	ns : 14		Routes :	14					
Donat mand on 194			-						
Destination/Mask	Proto	Pre	Cost	Flags	NextHop		Interface		
0 0 0 0 0	Charie	60	٥	DD.	2 5 21 2		CimphinE		
0.0.0.0/0	Static	60	0	RD	7.5.21.2		GigabitEt	nernet	
-, -, -	Divers	0	0	-	7 5 21 1		CiashinEn		
7.5.21.0/30	Direct	0	0	D	7.5.21.1		GigabitEt	nernet	
0/0/1	Direct	0	٥	D	127 0 0	,	CicabiaRe	harnet	
7.5.21.1/32	Direct	0	0	U	127.0.0.	1	GigabitEt	ile i ile i	

Routing Tables: Public							
Destinations : 14			Routes: 14				
Destination/Mask	Proto	Pre	Cost	Flags	NextHop	Interface	
0.0.0.0/0	Static	60	0	RD	7.5.21.2	GigabitEthernet	
7.5.21.0/30 0/0/1	Direct	0	0	D	7.5.21.1	GigabitEthernet	
7.5.21.1/32 0/0/1	Direct	0	0	D	127.0.0.1	GigabitEthernet	
7.5.21.3/32 0/0/1	Direct	0	0	D	127.0.0.1	GigabitEthernet	
30.5.20.0/24	Direct	0	0	D	30.5.20.2	Vlanif20	
30.5.20.2/32	Direct	0	0	D	127.0.0.1	Vlanif20	
30.5.20.255/32	Direct	0	0	D	127.0.0.1	Vlanif20	
30.5.30.0/24	Direct	0	0	D	30.5.30.2	Vlanif30	
30.5.30.2/32	Direct	0	0	D	127.0.0.1	Vlanif30	
30.5.30.255/32	Direct	0	0	D	127.0.0.1	Vlanif30	
127.0.0.0/8	Direct	0	0	D	127.0.0.1	InLoopBack0	
127.0.0.1/32	Direct	0	0	D	127.0.0.1	InLoopBack0	
127.255.255.255/32	Direct	0	0	D	127.0.0.1	InLoopBack0	
255.255.255.255/32	Direct	0	0	D	127.0.0.1	InLoopBack0	
<ibraev_r></ibraev_r>						*	



Server:





AC1:

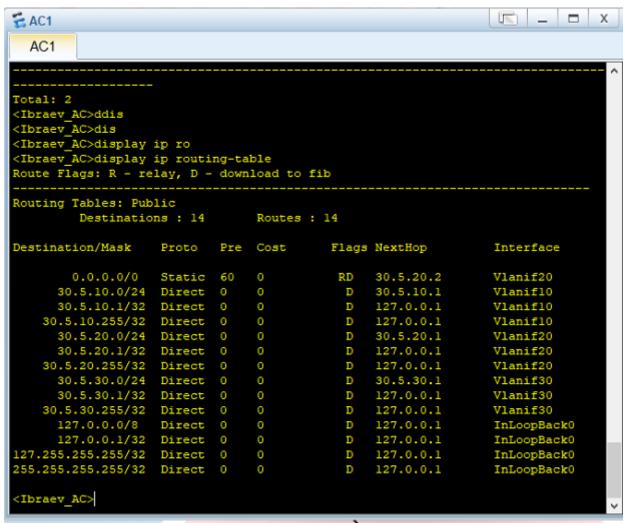
```
interface Vlanifl0
ip address 30.5.10.1 255.255.255.0
dhcp select interface
dhcp server excluded-ip-address 30.5.10.1 30.5.10.5
interface Vlanif20
ip address 30.5.20.1 255.255.255.0
dhcp select interface
dhcp server excluded-ip-address 30.5.20.1 30.5.20.5 dhcp server dns-list 30.5.30.200
interface Vlanif30
ip address 30.5.30.1 255.255.255.0
interface Vlanif30
ip address 30.5.30.1 255.255.255.0
interface GigabitEthernet0/0/1
port link-type trunk
port trunk allow-pass vlan 10 20 30
interface GigabitEthernet0/0/2
port link-type trunk
port trunk allow-pass vlan 10 20 30
```

```
traffic-profile name default
security-profile name default
security-profile name Securityl
security wpa2 psk pass-phrase %^%#2V/'17h8_>huQw-6h=)1^9mdL>JTDYo!DE#E#n8P%^%#
security-profile name default-wds
security-profile name default-mesh
security-profile name EbraevSecurity
 security wpa2 psk pass-phrase %^%#fVrXP7')ZDzqy67Z5`n=CjIn~r23)Rn)xz6f)BU&%^%#
ssid-profile name default
ssid-profile name Ebraev_profile/ssid
 ssid EbraevSSID
vap-profile name default
vap-profile name Ebraev_profill/vap
vap-profile name Ebraev_profil2/vap
vap-profile name Ebraev_profile/vap
 service-vlan vlan-id 20
 security-profile EbraevSecurity
wds-profile name default
mesh-handover-profile name default
mesh-profile name default
regulatory-domain-profile name default
regulatory-domain-profile name EbraevReg
regulatory-domain-profile name EbraevRegl
air-scan-profile name default
rrm-profile name default
radio-2g-profile name default
radio-5g-profile name default
wids-spoof-profile name default
wids-profile name default
wireless-access-specification
ap-system-profile name default
port-link-profile name default
wired-port-profile name default
serial-profile name preset-enjoyor-toeap
ap-group name default
ap-group name EbraevGroup
 radio 0
 vap-profile Ebraev profile/vap wlan 1
ap-group name EbraevGroup1
 regulatory-domain-profile EbraevRegl
radio 1
 vap-profile Ebraev profile/vap wlan 2
ap-id 0 type-id 58 ap-mac 00e0-fcdc-6280 ap-sn 2102354483106662B74E
ap-name EbraevAP0
ap-group EbraevGroup
ap-id 1 type-id 58 ap-mac 00e0-fc30-5b20 ap-sn 21023544831056280B40
ap-group EbraevGroupl
provision-ap
```

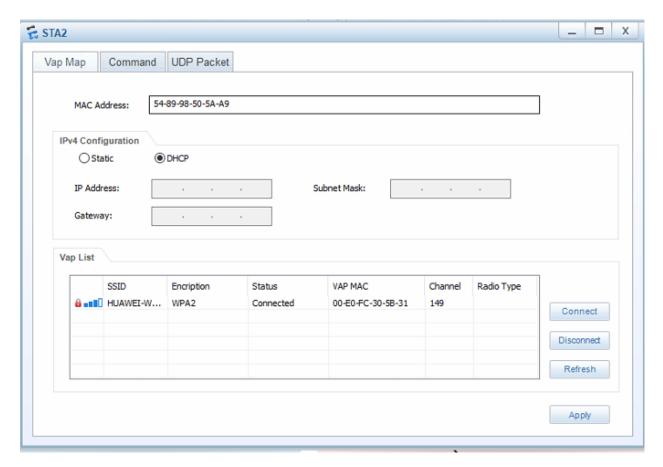
<Ibraev_AC>display ip pool interface Vlanif10
Pool-name : Vlanif10 Pool-No : 0 Lease : 1 Days 0 Hours 0 Minutes Domain-name DNS-server0 NBNS-server0 : -: Interface Status : -Netbios-type Position : Unlocked Gateway-0 Network : 30.5.10.0
Mask : 255.255.255.0
Logging : Disable Logging Conflicted address recycle interval: -Address Statistic: Total :254
Idle :247
Conflict :0 Used Expired :0 Disabled :5 Network section Start End Total Used Idle(Expired) Conflict Disabled 30.5.10.1 30.5.10.254 254 2 247(0) 5 <Ibraev AC>

<pre><ibraev_ac>display i</ibraev_ac></pre>		face Vlanif	20						
Pool-name :	Vlanif20								
Pool-No	1								
Lease	1 Days 0 Hours 0 Minutes								
Domain-name	-								
DNS-server0	30.5.30.200								
NBNS-server0 :	_								
Netbios-type :	-								
Position	Interface	l							
Gateway-0	_								
Network :	30.5.20.0								
Mask	255.255.255.0								
Logging	Disable								
Conflicted address	recycle inte	recycle interval: -							
Address Statistic:	Total	:254	Used	:2					
	Idle	:247	Expired	:0					
	Conflict	:0	Disabled	:5					
Network section									
Start	End	Total	Used Idle/	Expired) Con	flict	Disabled			
30.5.20.1	30.5.20.254	254	2	247(0)	0	5			

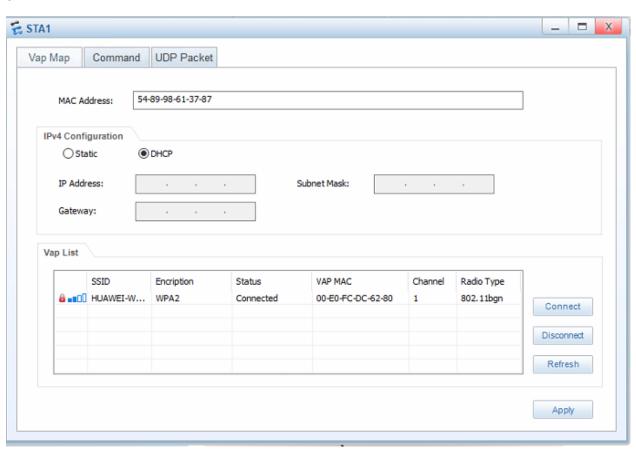
```
Ibraev AC>display ap all
Info: This operation may take a few seconds. Please wait for a moment.done.
Total AP information:
nor : normal
                     [2]
    MAC
                  Name
                            Group
                                       IP
                                                    Type
                                                                   State STA
Uptime
 00e0-fcdc-6280 EbraevAPO EbraevGroup 30.5.10.219 AP7050DE
                                                                  nor
                                                                         1
    00e0-fc30-5b20 EbraevAP1 EbraevGroup1 30.5.10.40 AP7050DE
                                                                  nor
                                                                         1
14M:50S
Total: 2
<Ibraev AC>
```



STA2:



STA1:



```
_ 🗆 X
STA2
  Vap Map Command UDP Packet
Request timeout!
From 7.5.21.6: bytes=32 seq=4 ttl=126 time=141 ms
From 7.5.21.6: bytes=32 seq=5 ttl=126 time=125 ms
  -- 7.5.21.6 ping statistics ---
  5 packet(s) transmitted
2 packet(s) received
  60.00% packet loss
  round-trip min/avg/max = 0/133/141 ms
STA>ping 7.5.21.6
 Ping 7.5.21.6: 32 data bytes, Press Ctrl_C to break
Request timeout!
From 7.5.21.6: bytes=32 seq=2 ttl=126 time=140 ms
From 7.5.21.6: bytes=32 seq=3 ttl=126 time=125 ms
From 7.5.21.6: bytes=32 seq=4 ttl=126 time=141 ms
From 7.5.21.6: bytes=32 seq=5 ttl=126 time=141 ms
  -- 7.5.21.6 ping statistics ---
  5 packet(s) transmitted
  4 packet(s) received
  20.00% packet loss
  round-trip min/avg/max = 0/136/141 ms
 STA>
```

```
Vap Map Command UDP Packet

Welcome to use STA Simulator!

STA>Welcome to use STA Simulator!

STA>ping 7.5.21.6

Ping 7.5.21.6: 32 data bytes, Press Ctrl_C to break
From 7.5.21.6: bytes=32 seq=1 ttl=126 time=125 ms
From 7.5.21.6: bytes=32 seq=2 ttl=126 time=125 ms
From 7.5.21.6: bytes=32 seq=3 ttl=126 time=125 ms
From 7.5.21.6: bytes=32 seq=3 ttl=126 time=125 ms
From 7.5.21.6: bytes=32 seq=4 ttl=126 time=156 ms
```