

# Static routing

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## Table of contents

- [Table of contents](#)
- [InfiLINK 2x2, InfiMAN 2x2, InfiLINK Evolution, InfiMAN Evolution families of devices](#)
- [InfiLINK XG, InfiLINK XG 1000 families of devices](#)
- [Quanta 5, Quanta 6, Quanta 70 families of devices](#)
- [Additional materials](#)


This part of the article contains routing configuration scenarios for various tasks. In order to focus on the static routing topic, let's make the following assumptions, which are valid for all scenarios:

- the radio links are established between the wireless devices;
- at the endpoint devices (the PCs), the IP addresses of the wireless devices to which they are directly connected are set as gateway. After specifying the gateway, each endpoint device adds a default route to its routing table;
- switching is off on the devices of the InfiLINK 2x2, InfiMAN 2x2, InfiLINK Evolution, InfiMAN Evolution families;
- in the examples for the InfiLINK 2x2, InfiMAN 2x2, InfiLINK Evolution, InfiMAN Evolution families of devices, the IP addresses are assigned to the physical interfaces, however, virtual interfaces can be used instead, for example, vlan interfaces.

## InfiLINK 2x2, InfiMAN 2x2, InfiLINK Evolution, InfiMAN Evolution families of devices

### Routing configuration for the management traffic

Let's look at the task concerning the routing configuration for the management traffic (Figure 1). For this task, the Slave's device management interface must be accessible to the engineer working at the PC. Since the PC and the Slave devices belong to different subnets, routing must be used.

 **NOTE**  
An configuration example is given for the InfiLINK 2x2, InfiMAN 2x2 families devices, pay attention to the name of the radio interface on your devices during the scheme implementation.

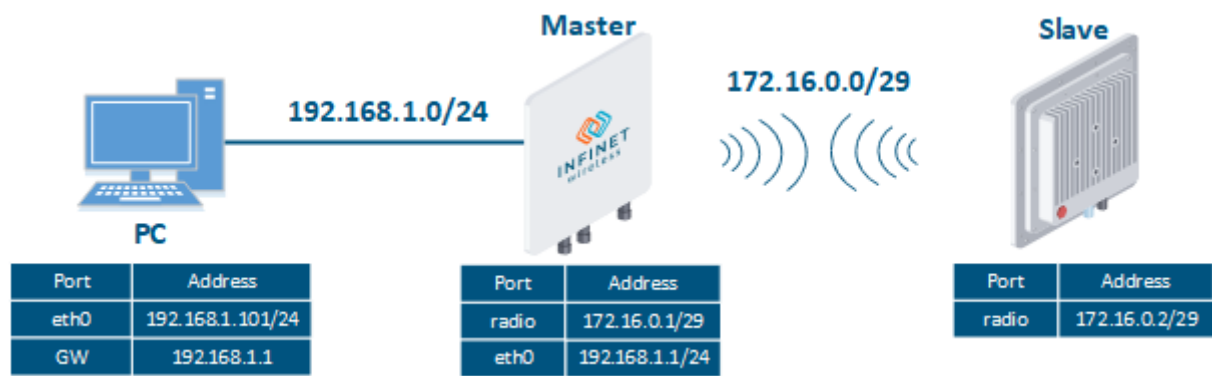


Figure 1 - Routing configuration for the management traffic using the InfiLINK 2x2, InfiMAN 2x2, InfiLINK Evolution, InfiMAN Evolution families of devices

Let's perform a step by step configuration for the Master and the Slave devices using the Web interface:

### Step 1

Description	Add the IP addresses to the interfaces of the devices according to the scheme.
-------------	--

Master

▼ Network Settings

eth0

192.168.1.1

Up: ☒

Description:

DHCP: ☐

Mode: auto

rf5.0

172.16.0.1

Up: ☒

Description:

DHCP: ☐

Create PRF

Create VLAN

Create LAG

Create SVI

Create Tunnel

Create Tap

Slave

▼ Network Settings

eth0

192.168.2.2

Up: ☒

Description:

DHCP: ☐

Mode: auto

rf5.0

172.16.0.2

Up: ☒

Description:

DHCP: ☐

Create PRF

Create VLAN

Create LAG

Create SVI

Create Tunnel

Create Tap

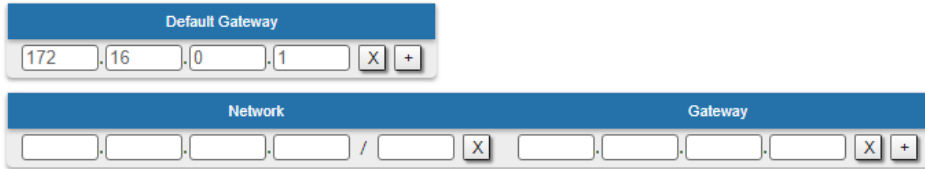
Step 2

Description	Analyze the routing table: after adding the IP addresses to the device's interfaces, the routing table was filled up with entries for every new conne (marked as C).
Master	<pre>Master#1&gt; netstat -r Routing tables Destination      Gateway         Flags   Refs      Use  Interface 127.0.0.1        127.0.0.1      UH       0          0    lo0 172.16.0.0/29    link#3         UC       0          0    rf5.0 192.168.1.0/24   link#2         UC       0          0    eth0 192.168.1.101    00:0c:29:40:72:d0 UHL      1         974    eth0 224.0.0.0/8      127.0.0.1      UGS       0          0    lo0</pre>
Slave	<pre>Slave#1&gt; netstat -r Routing tables Destination      Gateway         Flags   Refs      Use  Interface 127.0.0.1        127.0.0.1      UH       0          0    lo0 172.16.0.0/29    link#3         UC       0          0    rf5.0 192.168.2.0/24   link#2         UC       0          0    eth0 192.168.2.102    00:0c:29:6c:b8:ad UHL      1        1244    eth0 224.0.0.0/8      127.0.0.1      UGS       0          0    lo0</pre>

Step 3

Description	Add static routes for the connection between the PC and the Slave.
Master	The Master device is intermediate on the path of the packets between the PC and the Slave. Routes towards the PC and towards the Slave have been added to the Master's device routing table based on the configuration in the previous steps (see step 2), so there is no need to add static entries at the Master device.
Slave	<div>A static route must be added towards PC1's network:</div> <div><div>Routing Parameters</div><div><div>Default Gateway</div><div><div></div><div></div><div></div><div></div><div>X</div><div>+</div></div></div><div><div>Network</div><div>Gateway</div><div><div>192</div><div>.</div><div>168</div><div>.</div><div>1</div><div>.</div><div>0</div><div>/</div><div>24</div><div>X</div><div>172</div><div>.</div><div>16</div><div>.</div><div>0</div><div>.</div><div>1</div><div>X</div><div>+</div></div></div></div>

Step 3a

<b>Description</b>	A default route can be configured on the Slave device instead of a static route towards the PC's network.
<b>Master</b>	No changes required.
<b>Slave</b>	<p>Add the IP address of the Master's rf interface as default gateway, so that all the packets will be sent to it by default, if no other specific route is present:</p> <p><b>Routing Parameters</b></p> 

## Step 4

<b>Description</b>	Analyze the routing table: a static entry (marked as S) has been added to the Slave's routing table.
<b>Master</b>	see step 2
<b>Slave</b>	<pre>Slave#1&gt; netstat -r Routing tables Destination      Gateway         Flags    Refs      Use  Interface 127.0.0.1        127.0.0.1      UH       0         0    lo0 172.16.0.0/29    link#3         UC       0         0    rf5.0 172.16.0.1       link#3         UHL      1         0    rf5.0 192.168.1.0/24   172.16.0.1    UGS      0         0    rf5.0 192.168.2.0/24   link#2         UC       0         0    eth0 192.168.2.102    00:0c:29:6c:b8:ad UHL      0        1266  eth0 224.0.0.0/8      127.0.0.1     UGS      0         0    lo0</pre>

## Step 4a

<b>Description</b>	If a default route has been added as in step 3a, a corresponding entry (marked as S) will be added to the routing table.
<b>Master</b>	see step 2
<b>Slave</b>	<pre>Slave#1&gt; netstat -r Routing tables Destination      Gateway         Flags    Refs      Use  Interface default          172.16.0.1     UGS      0         0    rf5.0 127.0.0.1        127.0.0.1      UH       0         0    lo0 172.16.0.0/29    link#3         UC       0         0    rf5.0 172.16.0.1       link#3         UHL      1         0    rf5.0 192.168.2.0/24   link#2         UC       0         0    eth0 192.168.2.102    00:0c:29:6c:b8:ad UHL      0        18    eth0 224.0.0.0/8      127.0.0.1     UGS      0         0    lo0</pre>

## Step 5

<b>Description</b>	Task accomplished: an engineer working on the PC has access to the management interface of the Slave device.
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How to perform the same task using CLI commands

```
Master's device configuration:
Step 1
ifc eth0 192.168.1.1/24
ifc rf5.0 172.16.0.1/29
Step 2
netstat -r
Step 4
netstat -r

Slave's device configuration:
Step 1
ifc rf5.0 172.16.0.2/29
Step 2
netstat -r
Step 3
route add 192.168.1.0/24 172.16.0.1
Step 3a
route add default 172.16.0.1
Step 4
netstat -r
Step 4a
netstat -r
```

Routing configuration for the data traffic using a point-to-point scheme

Let's look at the task of performing the routing configuration for the data traffic using a PtP scheme (Figure 2). For this task, the connectivity between the PC-1 and the PC-2 devices should be established using routing, as PC-1 and PC-2 belong to different subnets.

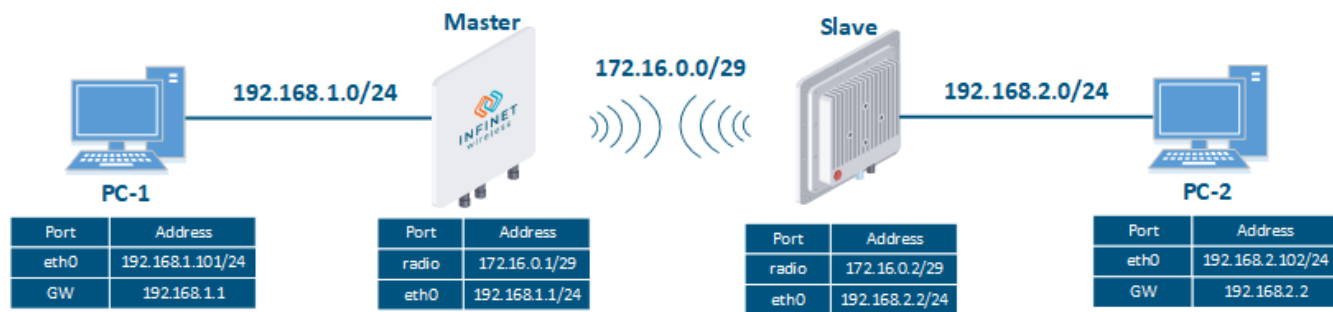


Figure 2 - Routing configuration for the data traffic using the InfiLINK 2x2, InfiMAN 2x2, InfiLINK Evolution, InfiMAN Evolution families of devices

Let's look at the step-by-step configuration of the Master and Slave devices using the Web interface:

Step 1

Description	Add the IP addresses to the interfaces of the devices according to the scheme.
Master	<div><div>▼ Network Settings</div><div><div><div>▶ eth0</div><div>192.168.1.1</div></div><div><div>▶ rf5.0</div><div>172.16.0.1</div></div></div><div><div>Up: <input checked="" type="checkbox"/> Description: <input type="text"/> DHCP: <input type="checkbox"/> Mode: <input type="text" value="auto"/></div><div><div>Up: <input checked="" type="checkbox"/> Description: <input type="text"/> DHCP: <input type="checkbox"/></div></div><div><div>Create PRF</div><div>Create VLAN</div><div>Create LAG</div><div>Create SVI</div><div>Create Tunnel</div><div>Create Tap</div></div></div></div>

## Title

Slave	<b>Network Settings</b>	
	<div>eth0 192.168.2.2 Up: <input checked="" type="checkbox"/> Description: <input type="text"/> DHCP: <input type="checkbox"/> Mode: auto</div> <div>rf5.0 172.16.0.2 Up: <input checked="" type="checkbox"/> Description: <input type="text"/> DHCP: <input type="checkbox"/></div>	
	<div>Create PRF</div> <div>Create VLAN</div> <div>Create LAG</div> <div>Create SVI</div> <div>Create Tunnel</div> <div>Create Tap</div>	

### Step 2

Description	Analyze the routing table: after adding IP addresses to the devices' interfaces, the routing tables were filled up with entries specifying the directly networks (marked as C).
Master	<pre>Master#1&gt; netstat -r Routing tables Destination      Gateway          Flags    Refs      Use  Interface 127.0.0.1        127.0.0.1       UH        0         0    lo0 172.16.0.0/29    link#3          UC        0         0    rf5.0 192.168.1.0/24   link#2          UC        0         0    eth0 192.168.1.101    00:0c:29:40:72:d0 UHL       1        974    eth0 224.0.0.0/8      127.0.0.1       UGS       0         0    lo0</pre>
Slave	<pre>Slave#1&gt; netstat -r Routing tables Destination      Gateway          Flags    Refs      Use  Interface 127.0.0.1        127.0.0.1       UH        0         0    lo0 172.16.0.0/29    link#3          UC        0         0    rf5.0 192.168.2.0/24   link#2          UC        0         0    eth0 192.168.2.102    00:0c:29:6c:b8:ad UHL       5       1125    eth0 224.0.0.0/8      127.0.0.1       UGS       0         0    lo0</pre>

### Step 3

Description	<p>Add static routes for the connection between PC-1 and PC-2.</p> <p>There is no route towards the PC-2's subnet on the Master device, and no route towards the PC-1's subnet on the Slave. Let's add these routes.</p>
Master	<p><b>Routing Parameters</b></p> <p>Default Gateway</p> <p>Network: 192.168.2.0 / 24 Gateway: 172.16.0.2</p>
Slave	<p><b>Routing Parameters</b></p> <p>Default Gateway</p> <p>Network: 192.168.1.0 / 24 Gateway: 172.16.0.1</p>

### Step 3a

Description	A default route can be configured on the Master and on the Slave devices instead of routes towards the networks of the PCs.
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<b>Master</b>	<p><b>Routing Parameters</b></p> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> <p style="text-align: center; background-color: #007bff; color: white; margin: -1px -1px 1px -1px;">Default Gateway</p> <div style="display: flex; align-items: center; gap: 5px;"> <input style="width: 40px; text-align: center;" type="text" value="127"/> <input style="width: 40px; text-align: center;" type="text" value="16"/> <input style="width: 40px; text-align: center;" type="text" value="0"/> <input style="width: 40px; text-align: center;" type="text" value="2"/> <span style="border: 1px solid #ccc; padding: 0 5px;">X</span> <span style="border: 1px solid #ccc; padding: 0 5px;">+</span> </div> </div> <div style="border: 1px solid #ccc; padding: 5px;"> <div style="display: flex; justify-content: space-between; background-color: #007bff; color: white; padding: 2px 5px;"> <span>Network</span> <span>Gateway</span> </div> <div style="display: flex; align-items: center; gap: 5px; margin-top: 5px;"> <input style="width: 40px; text-align: center;" type="text"/> <input style="width: 40px; text-align: center;" type="text"/> <input style="width: 40px; text-align: center;" type="text"/> <input style="width: 40px; text-align: center;" type="text"/> <span>/</span> <input style="width: 40px; text-align: center;" type="text"/> <span style="border: 1px solid #ccc; padding: 0 5px;">X</span> <input style="width: 40px; text-align: center;" type="text"/> <input style="width: 40px; text-align: center;" type="text"/> <input style="width: 40px; text-align: center;" type="text"/> <input style="width: 40px; text-align: center;" type="text"/> <span style="border: 1px solid #ccc; padding: 0 5px;">X</span> <span style="border: 1px solid #ccc; padding: 0 5px;">+</span> </div> </div>
<b>Slave</b>	<p><b>Routing Parameters</b></p> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> <p style="text-align: center; background-color: #007bff; color: white; margin: -1px -1px 1px -1px;">Default Gateway</p> <div style="display: flex; align-items: center; gap: 5px;"> <input style="width: 40px; text-align: center;" type="text" value="172"/> <input style="width: 40px; text-align: center;" type="text" value="16"/> <input style="width: 40px; text-align: center;" type="text" value="0"/> <input style="width: 40px; text-align: center;" type="text" value="1"/> <span style="border: 1px solid #ccc; padding: 0 5px;">X</span> <span style="border: 1px solid #ccc; padding: 0 5px;">+</span> </div> </div> <div style="border: 1px solid #ccc; padding: 5px;"> <div style="display: flex; justify-content: space-between; background-color: #007bff; color: white; padding: 2px 5px;"> <span>Network</span> <span>Gateway</span> </div> <div style="display: flex; align-items: center; gap: 5px; margin-top: 5px;"> <input style="width: 40px; text-align: center;" type="text"/> <input style="width: 40px; text-align: center;" type="text"/> <input style="width: 40px; text-align: center;" type="text"/> <input style="width: 40px; text-align: center;" type="text"/> <span>/</span> <input style="width: 40px; text-align: center;" type="text"/> <span style="border: 1px solid #ccc; padding: 0 5px;">X</span> <input style="width: 40px; text-align: center;" type="text"/> <input style="width: 40px; text-align: center;" type="text"/> <input style="width: 40px; text-align: center;" type="text"/> <input style="width: 40px; text-align: center;" type="text"/> <span style="border: 1px solid #ccc; padding: 0 5px;">X</span> <span style="border: 1px solid #ccc; padding: 0 5px;">+</span> </div> </div>

## Step 4

Description	Analyze the routing table: a static entry (marked as S) has been added to the routing tables of the Master and Slave devices.
Master	<pre>Master#1&gt; netstat -r Routing tables Destination      Gateway         Flags    Refs      Use  Interface 127.0.0.1        127.0.0.1      UH        0         0    lo0 172.16.0.0/29    link#3         UC        0         0    rf5.0 172.16.0.2       link#3         UHL       1         0    rf5.0 192.168.1.0/24   link#2         UC        0         0    eth0 192.168.1.101    00:0c:29:40:72:d0 UHL       1        40    eth0 192.168.2.0/24   172.16.0.2     UGS        0         0    rf5.0 224.0.0.0/8      127.0.0.1     UGS        0         0    lo0</pre>
Slave	<pre>Slave#1&gt; netstat -r Routing tables Destination      Gateway         Flags    Refs      Use  Interface 127.0.0.1        127.0.0.1      UH        0         0    lo0 172.16.0.0/29    link#3         UC        0         0    rf5.0 172.16.0.1       00:04:35:13:72:4f UHL       1         0    rf5.0 192.168.1.0/24   172.16.0.1     UGS        0         2    rf5.0 192.168.2.0/24   link#2         UC        0         0    eth0 192.168.2.102    00:0c:29:6c:b8:ad UHL       6       1097    eth0 224.0.0.0/8      127.0.0.1     UGS        0         0    lo0</pre>

## Step 4a

Description	If a default route has been added in step 3a, a corresponding entry (marked as S) will be added to the routing tables.
Master	<pre>Master#1&gt; netstat -r Routing tables Destination      Gateway         Flags    Refs      Use  Interface default          172.16.0.2     UGS        1        13    rf5.0 127.0.0.1        127.0.0.1      UH        0         0    lo0 172.16.0.0/29    link#3         UC        0         0    rf5.0 172.16.0.2       00:04:35:10:a2:89 UHL       1         0    rf5.0 192.168.1.0/24   link#2         UC        0         0    eth0 192.168.1.101    00:0c:29:40:72:d0 UHL       0        35    eth0 224.0.0.0/8      127.0.0.1     UGS        0         0    lo0</pre>

Slave	<pre>Slave#1&gt; netstat -r Routing tables Destination      Gateway         Flags        Refs      Use  Interface default          172.16.0.1      UGS          0          0    rf5.0 127.0.0.1        127.0.0.1      UH           0          0     lo0 172.16.0.0/29    link#3          UC           0          0    rf5.0 172.16.0.1       link#3          UHL          1          0    rf5.0 192.168.2.0/24   link#2          UC           0          0    eth0 192.168.2.102    00:0c:29:6c:b8:ad UHL          0          6    eth0 224.0.0.0/8      127.0.0.1      UGS          0          0     lo0</pre>					
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## Step 5

Description	The task has been solved: the connectivity between PC-1 and PC-2 was successfully established. Note that along with the data traffic routing, the management traffic routing was also configured.
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## How to solve the same task using CLI commands

```
Master's device configuration:
Step 1
ifc eth0 192.168.1.1/24
ifc rf5.0 172.16.0.1/29
Step 2
netstat -r
Step 3
route add 192.168.2.0/24 172.16.0.2
Step 3a
route add default 172.16.0.2
Step 4
netstat -r
Step 4a
netstat -r

Slave's device configuration:
Step 1
ifc eth0 192.168.2.2/24
ifc rf5.0 172.16.0.2/29
Step 2
netstat -r
Step 3
route add 192.168.1.0/24 172.16.0.1
Step 3a
route add default 172.16.0.1

Step 4
netstat -r
Step 4a
netstat -r
```

## Routing configuration for the data traffic using a Point-to-Multipoint scheme

Let's look at the task of performing the routing configuration for the data traffic using a PtMP scheme (Figure 3). The connectivity between PC-1, PC-2, PC-3 and PC-4 should be established using routing, since all the PCs belong to different subnets.

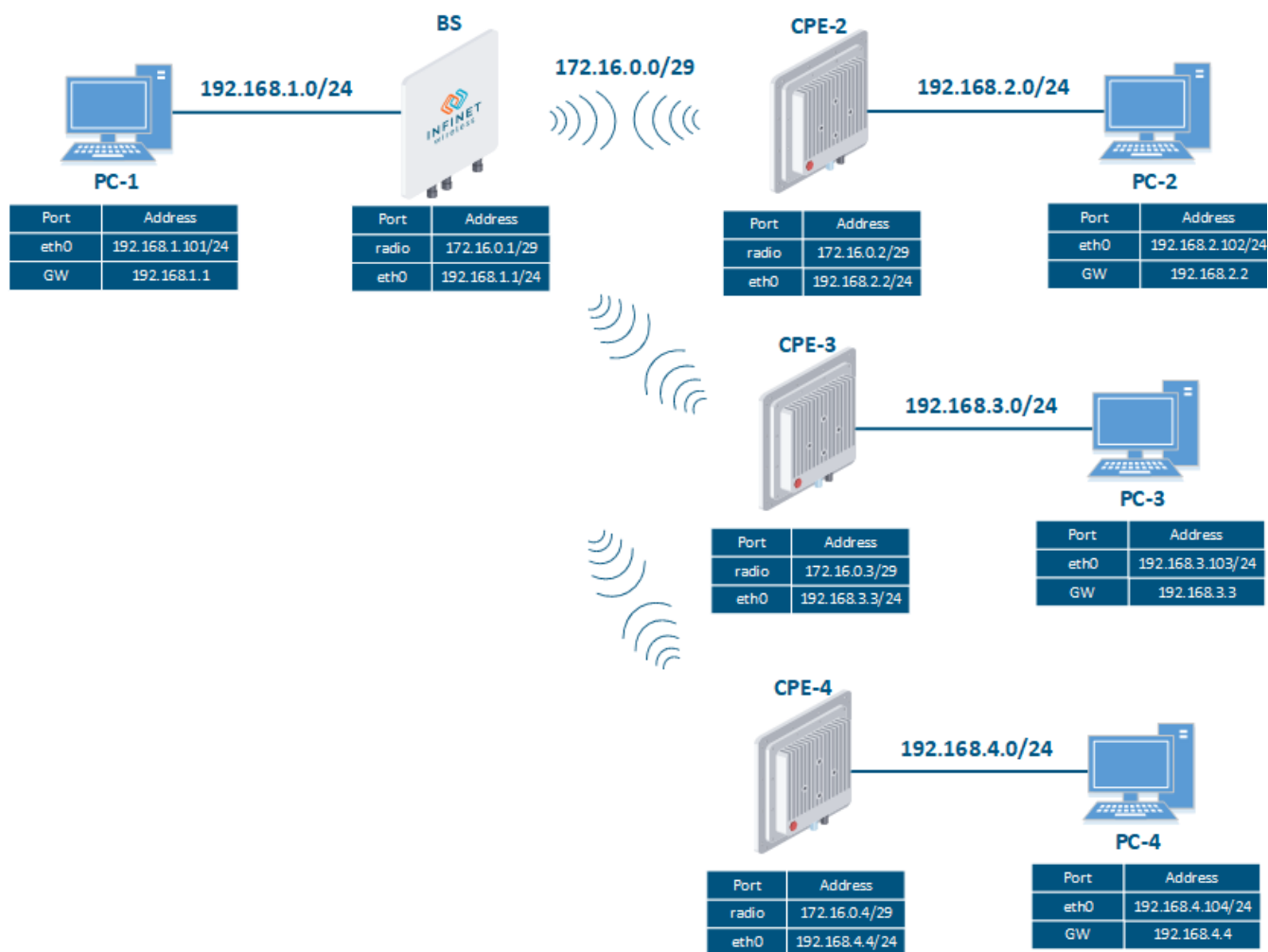


Figure 3 - Routing configuration for the data traffic using the InfIMAN 2x2, InfIMAN Evolution families of devices

Let's look at the step-by-step configuration of the wireless devices using the Web interface:

#### Step 1

Description	Add the IP addresses to the interfaces of the devices according to the scheme.
<b>BS</b>	<p>▼ Network Settings</p> <p>▶ eth0 192.168.1.1 Up: <input checked="" type="checkbox"/> Description: <input type="text"/> DHCP: <input type="checkbox"/> Mode: auto</p> <p>▶ rf5.0 172.16.0.1 Up: <input checked="" type="checkbox"/> Description: <input type="text"/> DHCP: <input type="checkbox"/></p> <p>Create PRF Create VLAN Create LAG Create SVI Create Tunnel Create Tap</p>
<b>CPE2</b>	<p>▼ Network Settings</p> <p>▶ eth0 192.168.2.2 Up: <input checked="" type="checkbox"/> Description: <input type="text"/> DHCP: <input type="checkbox"/> Mode: auto</p> <p>▶ rf5.0 172.16.0.2 Up: <input checked="" type="checkbox"/> Description: <input type="text"/> DHCP: <input type="checkbox"/></p> <p>Create PRF Create VLAN Create LAG Create SVI Create Tunnel Create Tap</p>



CPE3	▼ Network Settings	
	<div> <div>eth0</div> <div>192.168.3.3</div> <div>Up: <input checked="" type="checkbox"/> Description: <input type="text"/> DHCP: <input type="checkbox"/> Mode: <input type="text" value="auto"/></div> </div> <div> <div>rf5.0</div> <div>172.16.0.3</div> <div>Up: <input checked="" type="checkbox"/> Description: <input type="text"/> DHCP: <input type="checkbox"/></div> </div> <div> <div>Create PRF</div> <div>Create VLAN</div> <div>Create LAG</div> <div>Create SVI</div> <div>Create Tunnel</div> <div>Create Tap</div> </div>	
CPE4	▼ Network Settings	
	<div> <div>eth0</div> <div>192.168.4.4</div> <div>Up: <input checked="" type="checkbox"/> Description: <input type="text"/> DHCP: <input type="checkbox"/> Mode: <input type="text" value="auto"/></div> </div> <div> <div>rf5.0</div> <div>172.16.0.4</div> <div>Up: <input checked="" type="checkbox"/> Description: <input type="text"/> DHCP: <input type="checkbox"/></div> </div> <div> <div>Create PRF</div> <div>Create VLAN</div> <div>Create LAG</div> <div>Create SVI</div> <div>Create Tunnel</div> <div>Create Tap</div> </div>	

## Step 2

Description	
BS	<pre>Master#1&gt; netstat -r Routing tables Destination      Gateway           Flags    Refs      Use  Interface 127.0.0.1        127.0.0.1        UH        0          0    lo0 172.16.0.0/29    link#3           UC        0          0    rf5.0 192.168.1.0/24   link#2           UC        0          0    eth0 192.168.1.101    00:0c:29:40:72:d0 UHL       1         974    eth0 224.0.0.0/8      127.0.0.1        UGS       0          0    lo0</pre>
CPE2	<pre>Slave#1&gt; netstat -r Routing tables Destination      Gateway           Flags    Refs      Use  Interface 127.0.0.1        127.0.0.1        UH        0          0    lo0 172.16.0.0/29    link#3           UC        0          0    rf5.0 192.168.2.0/24   link#2           UC        0          0    eth0 192.168.2.102    00:0c:29:6c:b8:ad UHL       5        1125    eth0 224.0.0.0/8      127.0.0.1        UGS       0          0    lo0</pre>
CPE3	<pre>Slave 3#1&gt; netstat -r Routing tables Destination      Gateway           Flags    Refs      Use  Interface 127.0.0.1        127.0.0.1        UH        1          0    lo0 172.16.0.0/29    link#3           UC        0          0    rf5.0 192.168.3.0/24   link#2           UC        0          0    eth0 192.168.3.103    00:0c:29:15:29:b7 UHL       2        1169    eth0 224.0.0.0/8      127.0.0.1        UGS       0          0    lo0</pre>
CPE4	<pre>Slave 4#1&gt; netstat -r Routing tables Destination      Gateway           Flags    Refs      Use  Interface 127.0.0.1        127.0.0.1        UH        1          0    lo0 172.16.0.0/29    link#3           UC        0          0    rf5.0 192.168.4.0/24   link#2           UC        0          0    eth0 192.168.4.104    00:0c:29:29:4b:b9 UHL       2        1900    eth0 224.0.0.0/8      127.0.0.1        UGS       0          0    lo0</pre>

## Step 3

Description	<p>Add static routes for the connectivity between the PCs.</p> <p>Three static routes should be added on each wireless device, for the other 3 PCs that are not directly connected.</p>
BS	<div><div>Routing Parameters</div><div><div>Default Gateway</div><div><div></div><div></div><div></div><div></div><div>X</div><div>+</div></div></div><div><div><div>Network</div><div>Gateway</div></div><div><div><div>192</div><div></div><div>168</div><div></div><div>2</div><div></div><div>0</div><div></div><div>/</div><div>24</div><div></div><div>X</div></div><div><div><div>172</div><div></div><div>16</div><div></div><div>0</div><div></div><div>2</div><div></div><div>X</div><div>+</div></div></div></div><div><div><div>192</div><div></div><div>168</div><div></div><div>3</div><div></div><div>0</div><div></div><div>/</div><div>24</div><div></div><div>X</div></div><div><div><div>172</div><div></div><div>16</div><div></div><div>0</div><div></div><div>3</div><div></div><div>X</div><div>+</div></div></div></div><div><div><div>192</div><div></div><div>168</div><div></div><div>4</div><div></div><div>0</div><div></div><div>/</div><div>24</div><div></div><div>X</div></div><div><div><div>172</div><div></div><div>16</div><div></div><div>0</div><div></div><div>4</div><div></div><div>X</div><div>+</div></div></div></div></div></div>
CPE2	<div><div>Routing Parameters</div><div><div>Default Gateway</div><div><div></div><div></div><div></div><div></div><div>X</div><div>+</div></div></div><div><div><div>Network</div><div>Gateway</div></div><div><div><div>192</div><div></div><div>168</div><div></div><div>1</div><div></div><div>0</div><div></div><div>/</div><div>24</div><div></div><div>X</div></div><div><div><div>172</div><div></div><div>16</div><div></div><div>0</div><div></div><div>1</div><div></div><div>X</div><div>+</div></div></div></div><div><div><div>192</div><div></div><div>168</div><div></div><div>3</div><div></div><div>0</div><div></div><div>/</div><div>24</div><div></div><div>X</div></div><div><div><div>172</div><div></div><div>16</div><div></div><div>0</div><div></div><div>3</div><div></div><div>X</div><div>+</div></div></div></div><div><div><div>192</div><div></div><div>168</div><div></div><div>4</div><div></div><div>0</div><div></div><div>/</div><div>24</div><div></div><div>X</div></div><div><div><div>172</div><div></div><div>16</div><div></div><div>0</div><div></div><div>4</div><div></div><div>X</div><div>+</div></div></div></div></div></div>
CPE3	<div><div>Routing Parameters</div><div><div>Default Gateway</div><div><div></div><div></div><div></div><div></div><div>X</div><div>+</div></div></div><div><div><div>Network</div><div>Gateway</div></div><div><div><div>192</div><div></div><div>168</div><div></div><div>1</div><div></div><div>0</div><div></div><div>/</div><div>24</div><div></div><div>X</div></div><div><div><div>172</div><div></div><div>16</div><div></div><div>0</div><div></div><div>1</div><div></div><div>X</div><div>+</div></div></div></div><div><div><div>192</div><div></div><div>168</div><div></div><div>2</div><div></div><div>0</div><div></div><div>/</div><div>24</div><div></div><div>X</div></div><div><div><div>172</div><div></div><div>16</div><div></div><div>0</div><div></div><div>2</div><div></div><div>X</div><div>+</div></div></div></div><div><div><div>192</div><div></div><div>168</div><div></div><div>4</div><div></div><div>0</div><div></div><div>/</div><div>24</div><div></div><div>X</div></div><div><div><div>172</div><div></div><div>16</div><div></div><div>0</div><div></div><div>4</div><div></div><div>X</div><div>+</div></div></div></div></div></div>
CPE4	<div><div>Routing Parameters</div><div><div>Default Gateway</div><div><div></div><div></div><div></div><div></div><div>X</div><div>+</div></div></div><div><div><div>Network</div><div>Gateway</div></div><div><div><div>192</div><div></div><div>168</div><div></div><div>1</div><div></div><div>0</div><div></div><div>/</div><div>24</div><div></div><div>X</div></div><div><div><div>172</div><div></div><div>16</div><div></div><div>0</div><div></div><div>1</div><div></div><div>X</div><div>+</div></div></div></div><div><div><div>192</div><div></div><div>168</div><div></div><div>2</div><div></div><div>0</div><div></div><div>/</div><div>24</div><div></div><div>X</div></div><div><div><div>172</div><div></div><div>16</div><div></div><div>0</div><div></div><div>2</div><div></div><div>X</div><div>+</div></div></div></div><div><div><div>192</div><div></div><div>168</div><div></div><div>3</div><div></div><div>0</div><div></div><div>/</div><div>24</div><div></div><div>X</div></div><div><div><div>172</div><div></div><div>16</div><div></div><div>0</div><div></div><div>3</div><div></div><div>X</div><div>+</div></div></div></div></div></div>

## Step 3a

<b>Description</b>	<p>Since the data from any CPE to the BS or to another CPE goes through the BS, the routing tables of the CPEs can be optimized. Instead of three static entries, one default route can be added.</p> <p>The routing table of the BS cannot be optimized, as the BS has separate connections with each subscriber, having no common point.</p>
<b>BS</b>	-

CPE2	<p><b>Routing Parameters</b></p> <p>Default Gateway</p> <p>172 .16 .0 .1 [X] +</p> <p>Network Gateway</p> <p>[ ] . [ ] . [ ] . [ ] / [ ] [X] [ ] . [ ] . [ ] . [ ] [X] +</p>
CPE3	<p><b>Routing Parameters</b></p> <p>Default Gateway</p> <p>172 .16 .0 .1 [X] +</p> <p>Network Gateway</p> <p>[ ] . [ ] . [ ] . [ ] / [ ] [X] [ ] . [ ] . [ ] . [ ] [X] +</p>
CPE4	<p><b>Routing Parameters</b></p> <p>Default Gateway</p> <p>172 .16 .0 .1 [X] +</p> <p>Network Gateway</p> <p>[ ] . [ ] . [ ] . [ ] / [ ] [X] [ ] . [ ] . [ ] . [ ] [X] +</p>

## Step 4

Description	Analyze the routing table: three static entries (flag S) have been added to the routing table of each device.
BS	<pre> BS#1&gt; netstat -r Routing tables Destination      Gateway         Flags    Refs    Use  Interface 127.0.0.1        127.0.0.1      UH       0       0    lo0 172.16.0.0/29    link#3         UC       0       0    rf5.0 172.16.0.2       link#3         UHL      1       0    rf5.0 172.16.0.3       link#3         UHL      1       0    rf5.0 172.16.0.4       link#3         UHL      1       0    rf5.0 192.168.1.0/24   link#2         UC       0       0    eth0 192.168.1.101    00:0c:29:40:72:d0 UHL      1      62    eth0 192.168.2.0/24   172.16.0.2     UGS      0       0    rf5.0 192.168.3.0/24   172.16.0.3     UGS      0       0    rf5.0 192.168.4.0/24   172.16.0.4     UGS      0       0    rf5.0 224.0.0.0/8      127.0.0.1      UGS      0       0    lo0 </pre>

CPE2	<pre> CPE_2#1&gt; netstat -r Routing tables Destination      Gateway          Flags    Refs      Use  Interface 127.0.0.1        127.0.0.1       UH        0         0    lo0 172.16.0.0/29    link#3          UC        0         0    rf5.0 172.16.0.1       link#3          UHL       1         0    rf5.0 172.16.0.3       link#3          UHL       1         0    rf5.0 172.16.0.4       link#3          UHL       1         0    rf5.0 192.168.1.0/24   172.16.0.1      UGS       0         0    rf5.0 192.168.2.0/24   link#2          UC        0         0    eth0 192.168.2.102    00:0c:29:6c:b8:ad UHL       1        92    eth0 192.168.3.0/24   172.16.0.3      UGS       0         0    rf5.0 192.168.4.0/24   172.16.0.4      UGS       0         0    rf5.0 224.0.0.0/8      127.0.0.1       UGS       0         0    lo0 </pre>
CPE3	<pre> CPE_3#1&gt; netstat -r Routing tables Destination      Gateway          Flags    Refs      Use  Interface 127.0.0.1        127.0.0.1       UH        1         0    lo0 172.16.0.0/29    link#3          UC        0         0    rf5.0 172.16.0.1       link#3          UHL       1         0    rf5.0 172.16.0.2       link#3          UHL       1         0    rf5.0 172.16.0.4       link#3          UHL       1         0    rf5.0 192.168.1.0/24   172.16.0.1      UGS       0         0    rf5.0 192.168.2.0/24   172.16.0.2      UGS       0         0    rf5.0 192.168.3.0/24   link#2          UC        0         0    eth0 192.168.3.103    00:0c:29:15:29:b7 UHL       1        89    eth0 192.168.4.0/24   172.16.0.4      UGS       0         0    rf5.0 224.0.0.0/8      127.0.0.1       UGS       0         0    lo0 </pre>
CPE4	<pre> CPE_4#1&gt; netstat -r Routing tables Destination      Gateway          Flags    Refs      Use  Interface 127.0.0.1        127.0.0.1       UH        1         0    lo0 172.16.0.0/29    link#3          UC        0         0    rf5.0 172.16.0.1       link#3          UHL       1         0    rf5.0 172.16.0.2       link#3          UHL       1         0    rf5.0 172.16.0.3       link#3          UHL       1         0    rf5.0 192.168.1.0/24   172.16.0.1      UGS       0         0    rf5.0 192.168.2.0/24   172.16.0.2      UGS       0         0    rf5.0 192.168.3.0/24   172.16.0.3      UGS       0         0    rf5.0 192.168.4.0/24   link#2          UC        0         0    eth0 192.168.4.104    00:0c:29:29:4b:b9 UHL       1        62    eth0 224.0.0.0/8      127.0.0.1       UGS       0         0    lo0 </pre>

## Step 4a

Description	If a default route was added in step 3a, a corresponding entry (flag S) will be added to the routing table.
BS	Changes are not required on the BS.

CPE2	<pre> CPE_2#1&gt; netstat -r Routing tables Destination      Gateway          Flags    Refs      Use  Interface default          172.16.0.1      UGS      1         327  rf5.0 127.0.0.1        127.0.0.1      UH        0          0   lo0 172.16.0.0/29    link#3          UC        0          0  rf5.0 172.16.0.1       00:04:35:13:72:4f UHL       1          0  rf5.0 192.168.2.0/24   link#2          UC        0          0  eth0 192.168.2.102    00:0c:29:6c:b8:ad UHL       0         644  eth0 224.0.0.0/8      127.0.0.1      UGS       0          0   lo0 </pre>
CPE3	<pre> CPE_3#1&gt; netstat -r Routing tables Destination      Gateway          Flags    Refs      Use  Interface default          172.16.0.1      UGS      1          7  rf5.0 127.0.0.1        127.0.0.1      UH        1          0   lo0 172.16.0.0/29    link#3          UC        0          0  rf5.0 172.16.0.1       00:04:35:13:72:4f UHL       1          0  rf5.0 192.168.3.0/24   link#2          UC        0          0  eth0 192.168.3.103    00:0c:29:15:29:b7 UHL       0         568  eth0 224.0.0.0/8      127.0.0.1      UGS       0          0   lo0 </pre>
CPE4	<pre> CPE_4#1&gt; netstat -r Routing tables Destination      Gateway          Flags    Refs      Use  Interface default          172.16.0.1      UGS      0          11  rf5.0 127.0.0.1        127.0.0.1      UH        1          0   lo0 172.16.0.0/29    link#3          UC        0          0  rf5.0 172.16.0.1       00:04:35:13:72:4f UHL       1          0  rf5.0 192.168.4.0/24   link#2          UC        0          0  eth0 192.168.4.104    00:0c:29:29:4b:b9 UHL       1          81  eth0 224.0.0.0/8      127.0.0.1      UGS       0          0   lo0 </pre>

## Step 5

Description	The task has been solved: the connectivity between PC-1, PC-2, PC-3 and PC-4 was successfully established. Note that along with the data traffic routing, the routing for the management traffic was also established.
-------------	--

**How to solve the same task using CLI commands**

BS's device configuration:

Step 1

```
ifc eth0 192.168.1.1/24
```

```
ifc rf5.0 172.16.0.1/29
```

Step 2

```
netstat -r
```

Step 3

```
route add 192.168.2.0/24 172.16.0.2
```

```
route add 192.168.3.0/24 172.16.0.3
```

```
route add 192.168.4.0/24 172.16.0.4
```

Step 4

```
netstat -r
```

CPE-2's device configuration:

Step 1

```
ifc eth0 192.168.2.2/24
```

```
ifc rf5.0 172.16.0.2/29
```

Step 2

```
netstat -r
```

Step 3

```
route add 192.168.1.0/24 172.16.0.1
```

```
route add 192.168.3.0/24 172.16.0.3
```

```
route add 192.168.4.0/24 172.16.0.4
```

Step 3a

```
route add default 172.16.0.1
```

Step 4

```
netstat -r
```

Step 4a

```
netstat -r
```

CPE-3's device configuration:

Step 1

```
ifc eth0 192.168.3.3/24
```

```
ifc rf5.0 172.16.0.3/29
```

Step 2

```
netstat -r
```

Step 3

```
route add 192.168.1.0/24 172.16.0.1
```

```
route add 192.168.2.0/24 172.16.0.2
```

```
route add 192.168.4.0/24 172.16.0.4
```

Step 3a

```
route add default 172.16.0.1
```

Step 4

```
netstat -r
```

Step 4a

```
netstat -r
```

CPE-4 device configuration

Step 1

```
ifc eth0 192.168.4.4/24
```

```
ifc rf5.0 172.16.0.4/29
```

Step 2

```
netstat -r
```

Step 3

```
route add 192.168.1.0/24 172.16.0.1
```

```
route add 192.168.2.0/24 172.16.0.2
```

```
route add 192.168.3.0/24 172.16.0.3
```

Step 3a

```
route add default 172.16.0.1
```

Step 4

```
netstat -r
```

Step 4a

```
netstat -r
```

InfiLINK XG, InfiLINK XG 1000 families of devices

Routing configuration for the management traffic

Let's look at the task of performing the routing configuration for the management traffic (Figure 4). The Slave's device management interface should be accessible to the engineer working at the PC. Since the PC and the Slave devices belong to different subnets routing must be used.

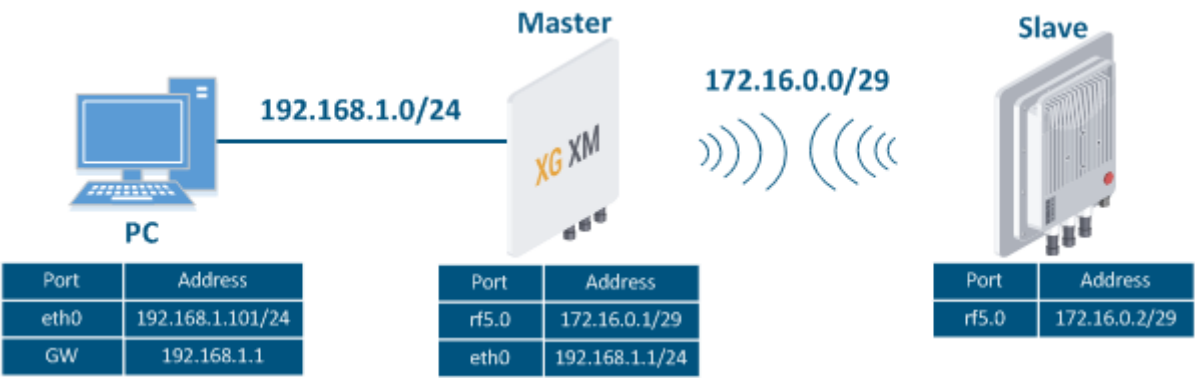


Figure 4 - Routing configuration for the management traffic using the InfiLINK XG / InfiLINK XG 1000 families of devices

Let's perform a step by step configuration for the Master and Slave devices using the Web interface:

Step 1

Description	Add the IP addresses to the interfaces of the devices according to the scheme.  Unlike the devices of the InfiLINK 2x2 / InfiMAN 2x2 families, the IP address is not assigned to the physical interfaces, but to the virtual management interface (see the <a href="#">Switch</a> section).		
Master	<div><div><div>Network Settings</div><div><div>IP Address</div><div><div><div>192</div><div>168</div><div>1</div><div>1</div><div>/</div><div>24</div><div>✕</div><div>+</div></div><div><div>172</div><div>16</div><div>0</div><div>1</div><div>/</div><div>29</div><div>✕</div><div>+</div></div></div><div><div>Vlan</div><div><input type="checkbox"/></div><div>Vlan ID</div><div><input type="text"/></div><div>DHCP</div><div><input type="checkbox"/></div></div><div><div><input type="checkbox"/></div><div><input type="text"/></div><div><input type="checkbox"/></div></div></div></div></div>		
Slave	<div><div><div>Network Settings</div><div><div>IP Address</div><div><div><div>10</div><div>10</div><div>1</div><div>1</div><div>/</div><div>24</div><div>✕</div><div>+</div></div><div><div>172</div><div>16</div><div>0</div><div>2</div><div>/</div><div>29</div><div>✕</div><div>+</div></div></div><div><div>Vlan</div><div><input type="checkbox"/></div><div>Vlan ID</div><div><input type="text"/></div><div>DHCP</div><div><input type="checkbox"/></div></div><div><div><input type="checkbox"/></div><div><input type="text"/></div><div><input type="checkbox"/></div></div></div></div></div>		

Step 2

Description	Analyze the routing table: after adding IP addresses to the device's interfaces, the routing table was filled up with entries specifying the directly co networks (flag C).
-------------	---

Master	<pre>#1&gt; netstat -r Routing tables Destination      Gateway           Flags    Refs      Use  Interface 127.0.0.1         127.0.0.1         UH        0         0    lo0 172.16.0.0/29     link#2            UC        0         0    mgmt 192.168.1.0/24    link#2            UC        0         0    mgmt 192.168.1.101     00:0c:29:40:72:d0 UHL       7        3196   mgmt 224.0.0.0/8       127.0.0.1         UG        0         0    lo0</pre>
Slave	<pre>#1&gt; netstat -r Routing tables Destination      Gateway           Flags    Refs      Use  Interface 10.10.10.0/24     link#2            UC        0         0    mgmt 10.10.10.102      00:0c:29:6c:b8:ad UHL       1        3637   mgmt 127.0.0.1         127.0.0.1         UH        0         0    lo0 172.16.0.0/29     link#2            UC        0         0    mgmt 224.0.0.0/8       127.0.0.1         UG        0         0    lo0</pre>

## Step 3

Description	Add static routes for establishing the communication between the PC and the Slave devices.
Master	The Master device is intermediate on the path of the packets between the PC and the Slave. Routes towards the PC and towards the Slave have been added to the Master's device routing table during the previous steps using the directly connected networks (see step 2), so there is no need to add static entries.
Slave	<p>Configure a static route on the Slave device towards the PC's network:</p> <p><b>Static Routes</b></p> <p>Network: 192.168.1.0 / 24    Gateway: 172.16.0.1</p>

## Step 3a

Description	A default route can be configured on the slave device instead of a route towards the PC's network.
Master	Changes are not required.
Slave	<p><b>Routing Settings</b></p> <p>Default Gateway: 172.16.0.1</p>

## Step 4

Description	Analyze the routing table: a static entry (flag S) has been added to the Slave's routing table.
Master	See step 2



Slave	<pre>#1&gt; netstat -r Routing tables Destination      Gateway          Flags    Refs      Use  Interface 10.10.10.0/24    link#2           UC        0         0  mgmt 10.10.10.102     00:0c:29:6c:b8:ad UHL        7       4279 mgmt 127.0.0.1        127.0.0.1       UH         0         0  lo0 172.16.0.0/29    link#2           UC        0         0  mgmt 172.16.0.1       00:04:35:07:a8:3a UHL        1         4  mgmt 192.168.1.0/24   172.16.0.1      UGS        0       115  mgmt 224.0.0.0/8      127.0.0.1       UGS        0         0  lo0</pre>					
-------	---	--	--	--	--	--

## Step 4a

Description	If a default route has been added in step 3a, a corresponding entry (flag S) will be added to the routing table.
Master	See step 2
Slave	<pre>#1&gt; netstat -r Routing tables Destination      Gateway          Flags    Refs      Use  Interface default          172.16.0.1      UGS        0         88  mgmt 10.10.10.0/24    link#2           UC        0         0  mgmt 10.10.10.102     00:0c:29:6c:b8:ad UHL        1       4603 mgmt 127.0.0.1        127.0.0.1       UH         0         0  lo0 172.16.0.0/29    link#2           UC        0         0  mgmt 172.16.0.1       00:04:35:07:a8:3a UHL        1         4  mgmt 224.0.0.0/8      127.0.0.1       UGS        0         0  lo0</pre>

## Step 5

Description	The task has been solved: an engineer working on the PC has access to the Slave's device management interface.
-------------	--



## How to solve the same task using CLI commands

```
Master's device configuration:
Step 1
ifc mgmt 192.168.1.1/24
ifc mgmt 172.16.0.1/29
Step 2
netstat -r
Step 4
netstat -r

Slave's device configuration:
Step 1
ifc mgmt 192.168.2.2/24
ifc mgmt 172.16.0.2/29
Step 2
netstat -r
Step 3
route add 192.168.1.0/24 172.16.0.1
Step 3a
route add default 172.16.0.1
Step 4
netstat -r
Step 4a
netstat -r
```

Quanta 5, Quanta 6, Quanta 70 families of devices

Routing configuration for the management traffic

Let's look at the task of performing the routing configuration for the management traffic (Figure 5). The Slave's device management interface should be accessible to the engineer working at the PC. Since the PC and the Slave devices belong to different subnets routing will be used.

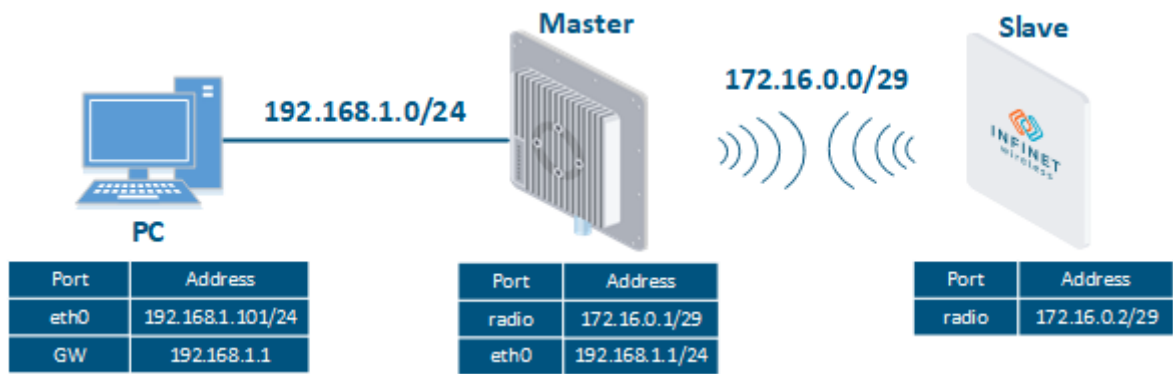


Figure 5 - Routing configuration for the management traffic using the Quanta 5, Quanta 6, Quanta 70 families of devices

Let's perform the step by step configuration of the Master and Slave devices using the Web interface:

Step 1













Description	<p>Add the IP addresses to the interfaces of the devices according to the scheme.</p> <p>Unlike the devices of the InfiLINK 2x2 / InfiMAN 2x2 families, the IP address is not assigned to the physical interfaces, but to the virtual management interface (see "<a href="#">Switch settings</a>" section).</p>																				
Master	<div><h3>Network interface</h3><table><thead><tr><th>IP address</th><th>Subnet mask</th><th>VLAN ID</th><th>DHCP</th><th></th></tr></thead><tbody><tr><td>172.16.0.1</td><td>/ 29</td><td>Disabled</td><td>Disabled</td><td> </td></tr><tr><td>192.168.1.1</td><td>/ 24</td><td>Disabled</td><td>Disabled</td><td> </td></tr><tr><td colspan="5"><div>+ Add IP address</div></td></tr></tbody></table></div>	IP address	Subnet mask	VLAN ID	DHCP		172.16.0.1	/ 29	Disabled	Disabled		192.168.1.1	/ 24	Disabled	Disabled		<div>+ Add IP address</div>				
IP address	Subnet mask	VLAN ID	DHCP																		
172.16.0.1	/ 29	Disabled	Disabled																		
192.168.1.1	/ 24	Disabled	Disabled																		
<div>+ Add IP address</div>																					
Slave	<div><h3>Network interface</h3><table><thead><tr><th>IP address</th><th>Subnet mask</th><th>VLAN ID</th><th>DHCP</th><th></th></tr></thead><tbody><tr><td>10.10.10.2</td><td>/ 24</td><td>Disabled</td><td>Disabled</td><td> </td></tr><tr><td>172.16.0.2</td><td>/ 29</td><td>Disabled</td><td>Disabled</td><td> </td></tr><tr><td colspan="5"><div>+ Add IP address</div></td></tr></tbody></table></div>	IP address	Subnet mask	VLAN ID	DHCP		10.10.10.2	/ 24	Disabled	Disabled		172.16.0.2	/ 29	Disabled	Disabled		<div>+ Add IP address</div>				
IP address	Subnet mask	VLAN ID	DHCP																		
10.10.10.2	/ 24	Disabled	Disabled																		
172.16.0.2	/ 29	Disabled	Disabled																		
<div>+ Add IP address</div>																					

Step 2

Description	Analyze the routing table: after adding IP addresses to the device's interfaces, the routing table was filled up with entries specifying the directly co networks (marked as C).
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Master	<pre>#1&gt; netstat -r Routing tables Destination      Gateway          Flags    Refs      Use  Interface 127.0.0.1         127.0.0.1       UH        0         0    lo0 172.16.0.0/29     link#2          UC        0         0    eth0 192.168.1.0/24    link#2          UC        0         0    eth0 192.168.1.101     00:0c:29:40:72:d0 UHL      13       6705   eth0 224.0.0.0/8       127.0.0.1       UGS        0         0    lo0</pre>
Slave	<pre>#1&gt; netstat -r Routing tables Destination      Gateway          Flags    Refs      Use  Interface default          172.16.0.1       UGS        0         0    eth0 10.10.10.0/24     link#2          UC        0         0    eth0 10.10.10.101      00:0c:29:40:72:d0 UHL      10      10752   eth0 10.10.10.102      00:0c:29:6c:b8:ad UHL        5       9876   eth0 127.0.0.1         127.0.0.1       UH        0         0    lo0 172.16.0.0/29     link#2          UC        0         0    eth0 172.16.0.1        00:04:35:0a:b1:67 UHL        1         0    eth0 224.0.0.0/8       127.0.0.1       UGS        0         0    lo0</pre>

## Step 3

Description	<p>Add static routes for establishing the communication between the PC and Slave devices.</p> <p>The Quanta 5, Quanta 6 and the Quanta 70 families of devices allow to configure only the default route.</p>															
Master	<p>The Master device is intermediate on the path of the packets between the PC and the Slave. Routes towards the PC and towards the Slave have been added to the Master's device routing table (see step 2), so there is no need to add static entries.</p>															
Slave	<div><h3>Network interface</h3><table><thead><tr><th>IP address</th><th>Subnet mask</th><th>VLAN ID</th><th>DHCP</th><th></th></tr></thead><tbody><tr><td>10.10.10.2</td><td>/ 24</td><td>Disabled</td><td>Disabled</td><td> </td></tr><tr><td>172.16.0.2</td><td>/ 29</td><td>Disabled</td><td>Disabled</td><td> </td></tr></tbody></table><div>+ Add IP address</div><div>Default gateway: <input type="text" value="172.16.0.1"/></div></div>	IP address	Subnet mask	VLAN ID	DHCP		10.10.10.2	/ 24	Disabled	Disabled	 	172.16.0.2	/ 29	Disabled	Disabled	 
IP address	Subnet mask	VLAN ID	DHCP													
10.10.10.2	/ 24	Disabled	Disabled	 												
172.16.0.2	/ 29	Disabled	Disabled	 												

## Step 4

Description	Analyze the routing table: a static entry (flag S) has been added to the Slave's routing table.
Master	See step 2


Slave	<pre>#1&gt; netstat -r Routing tables Destination      Gateway         Flags   Refs      Use    Interface default          172.16.0.1      UGS     0         56     eth0 10.10.10.0/24     link#2          UC       0          0     eth0 10.10.10.101      00:0c:29:40:72:d0 UHL      7       13277   eth0 10.10.10.102      00:0c:29:6c:b8:ad UHL      8       12871   eth0 127.0.0.1         127.0.0.1      UH       0          0     lo0 172.16.0.0/29     link#2          UC       0          0     eth0 172.16.0.1        00:04:35:0a:b1:67 UHL      1          1     eth0 224.0.0.0/8       127.0.0.1      UGS     0          0     lo0</pre>					
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Step 5

Description	The task has been solved: an engineer working on the PC has access to the Slave's device management interface.
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 **How to solve the same task using CLI commands**

```
Master's device configuration:
Step 1
ifc eth0 192.168.1.1/24
ifc eth0 172.16.0.1/29
Step 2
netstat -r
Step 4
netstat -r
Slave's device configuration:
Step 1
ifc eth0 172.16.0.2/29
Step 2
netstat -r
Step 3
route add default 172.16.0.1
Step 4
netstat -r
```

 **See also**

The article continues with: [Dynamic routing](#).

Additional materials

Online courses

- 1. [Quanta 5 / Quanta 6: Installation and Configuration](#).
- 2. [InfiLINK XG Family Product](#).
- 3. [InfiLINK 2x2 / InfiMAN 2x2: Initial Link Configuration and Installation](#).

Webinars

- 1. [Typical scenario of routing setting using Infinet Wireless devices. Part I.](#)

Other

- 1. [Quanta 5 / Quanta 6 device configuration](#).
- 2. [InfiLINK XG, InfiLINK XG 1000 devices configuration](#).
- 3. [Network configuration via Web interface for InfiLINK 2x2, InfiMAN 2x2 families devices](#).
- 4. [Network configuration via Web interface for InfiLINK Evolution, InfiMAN Evolution families devices](#).

## Title

5. `ifconfig` command (interfaces configuration)
6. `route` command (static routes configuration)