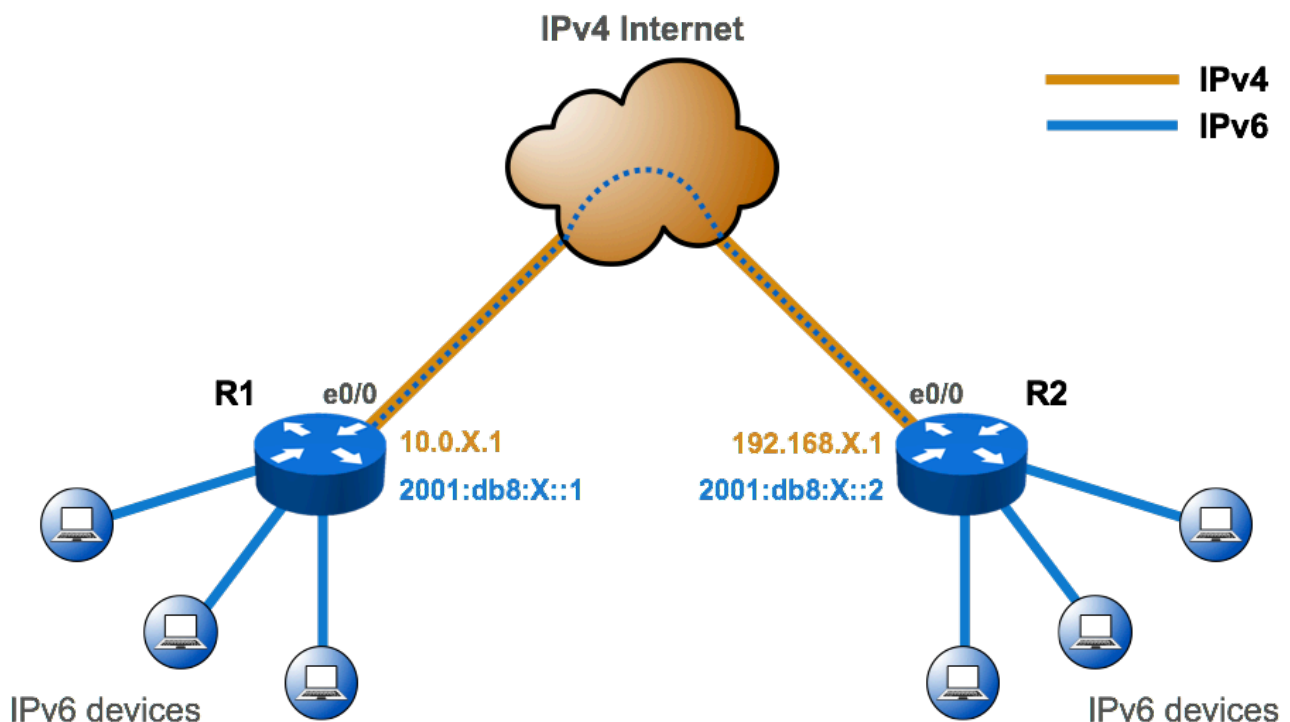


Tunnelling IPv6: 6in4 Exercise

In this laboratory exercise you will complete the following tasks:

- Minor router configuration of 2 routers with IPv4 already enabled
- Experience the configuration of a 6in4 tunnel



Setup

1. Go to <http://workbench.ripe.net/>
2. Select the lab 1 or lab 2 (ask the trainers)
3. Log in with your number on the list and the password
4. Access the "Tunnelling IPv6: 6in4" exercise
5. See the configuration steps on the following page
6. These are the IPv6 addresses for your tunnel entry- and exit point
 - R1: 2001:db8:X::1/64
 - R2: 2001:db8:X::2/64
 - (X is your number on the participants list)
7. After the configuration, ping both IPv6 addresses

Configuration Cheat Sheet

```
###
```

```
# Enable Configuration Mode
```

```
###
```

```
configure terminal
```

```
###
```

```
# Enable IPv6 on both routers
```

```
###
```

```
ipv6 unicast-routing
```

```
ipv6 cef
```

```
###
```

```
# Router 1 Config
```

```
###
```

```
interface Tunnel0
```

```
no ip address
```

```
ipv6 address 2001:db8:X::1/64
```

```
tunnel source Ethernet0/0
```

```
tunnel mode ipv6ip
```

```
tunnel destination 192.168.X.1
```

```
ping ipv6 2001:db8:X::2
```

```
###
```

```
# Router 2 Config
```

```
###
```

```
interface Tunnel0
```

```
no ip address
```

```
ipv6 address 2001:db8:X::2/64
```

```
tunnel source Ethernet0/0
```

```
tunnel mode ipv6ip
```

```
tunnel destination 10.0.X.1
```

```
ping ipv6 2001:db8:X::1
```