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Subject: VZ7 routed IPv6

Posted by [wyckao](#) on Wed, 12 Jul 2017 12:53:49 GMT

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Hi,

Im trying to set up routed IPv6 with VZ7 VMs. Everything works fine while network in node is configured with one physical interface. If network works in bonding, NDP proxy is added not to bond0 interface but to physical interfaces.

E.g:

Node has two physical interfaces "enp2s0f0" and "enp2s0f1", interfaces are bonded into bond0, node IP addresses are binded to bond0, adding IPv6 to VM:

```
prctl set test.vm --device-set net0 --ipadd 2a02:1234:4321:6f1a::9
```

VZ adds proxy to physical interfaces but not to bond interface:

```
ip neigh show proxy:
```

```
2a02:1234:4321:6f1a::9 dev enp2s0f1 proxy
```

```
2a02:1234:4321:6f1a::9 dev enp2s0f0 proxy
```

So VMs IP can not be resolved via NDP query. To fix VM IPv6 connectivity, we have to add proxy on bond interface manually:

```
ip -6 neigh add proxy 2a02:1234:4321:6f1a::9 dev bond0
```

```
ip neigh show proxy:
```

```
2a02:1234:4321:6f1a::9 dev bond0 proxy
```

```
2a02:1234:4321:6f1a::9 dev enp2s0f1 proxy
```

```
2a02:1234:4321:6f1a::9 dev enp2s0f0 proxy
```

But this is workaround for problem, VZ should automaticaly add proxy to bon0 interface.

Is there any option to change prctl behavior? Or it is VZ7 bug?