

---

Subject: Re: strict isolation of net interfaces

Posted by [Sam Vilain](#) on Fri, 30 Jun 2006 02:48:49 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Serge E. Hallyn wrote:

> The last one in your diagram confuses me - why foo0:1? I would

> have thought it'd be

>

> host                   | guest 0 | guest 1 | guest2

> -----+-----+-----+----- -

> |                   |           |           |  
> |-> lo      <-----+--> lo0 ... | lo0      | lo0

> |                   |           |           |

> |-> eth0       |           |           |

> |                   |           |           |

> |-> veth0 <-----+--> eth0   |           |

> |                   |           |           |

> |-> veth1 <-----+-----+-----+--> eth0

> |                   |           |           |

> |-> veth2 <-----+-----+--> eth0   |

>

> [...]

>

> So conceptually using a full virtual net device per container

> certainly seems cleaner to me, and it seems like it should be

> simpler by way of statistics gathering etc, but are there actually

> any real gains? Or is the support for multiple IPs per device

> actually enough?

>

Why special case loopback?

Why not:

host                   | guest 0 | guest 1 | guest2

-----+-----+-----+----- -

|                   |           |           |

|-> lo           |           |           |

|                   |           |           |

|-> vlo0 <-----+--> lo   |           |

|                   |           |           |

|-> vlo1 <-----+-----+-----+--> lo

|                   |           |           |

|-> vlo2 <-----+-----+--> lo   |

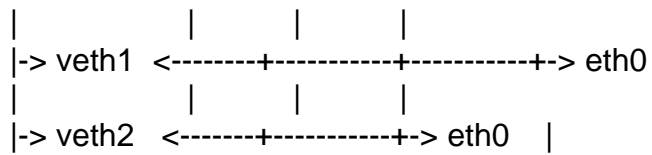
|                   |           |           |

|-> eth0       |           |           |

|                   |           |           |

|-> veth0 <-----+--> eth0   |           |

|                   |           |           |



Sam.

---