Subject: Bridge & it's MAC address question
Posted by Mishin Dmitry on Mon, 30 Oct 2006 12:27:14 GMT
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Hi,

Could somebody explain, why bridge uses minimal MAC of the attached devices?
It makes this address instable, variable during bridge life-cycle, which is
not good for DHCP. For example, I want to attach multiple virtual devices to
one physical. Then, I need to make sure that after each virtual device
addition, bridge addr is not changed and still addr of the physical device.
Why not to use MAC of the first attached device?

--
Thanks,
Dmitry.

Subject: Re: Bridge & it's MAC address question
Posted by Stephen Hemminger on Mon, 30 Oct 2006 15:28:37 GMT
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On Mon, 30 Oct 2006 15:27:14 +0300
Dmitry Mishin <dim@openvz.org> wrote:

> Hi,
>
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> not good for DHCP. For example, I want to attach multiple virtual devices to
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> Why not to use MAC of the first attached device?
>

The bridge physical address is the minimum of all the attached devices.
This is done because the STP standard requires it. You can reset it
to be the same as any of the attached devices. This will not cause a problem
unless using STP.

Subject: Re: Bridge & it's MAC address question
Posted by Lennert Buytenhek on Fri, 15 Dec 2006 13:19:08 GMT
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On Mon, Oct 30, 2006 at 07:28:37AM -0800, Stephen Hemminger wrote:

> > Could somebody explain, why bridge uses minimal MAC of the attached devices?
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> problem unless using STP.

You can in fact use any MAC address. The STP standard recommends using
the minimum address, as that is deterministic, and so it doesn't depend
on the order in which you enslave subdevices.

Subject: Re: [Bridge] Bridge & it's MAC address question
Posted by Stephen Hemminger on Fri, 15 Dec 2006 15:52:36 GMT
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On Fri, 15 Dec 2006 14:19:08 +0100
Lennert Buytenhek <buytenh@wantstofly.org> wrote:

> On Mon, Oct 30, 2006 at 07:28:37AM -0800, Stephen Hemminger wrote:
>
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So should restriction be lifted?
Please update wiki page FAQ, or I'll do it
