

RE: NFS Over Private Network

Source: <http://www.derkeiler.com/Mailing-Lists/securityfocus/focus-sun/2004-03/0019.html>

From: Thomas Lindsay (lindsayt_at_socsci.umn.edu)

Date: 03/25/04

Date: Wed, 24 Mar 2004 22:52:46 -0600 (CST)

To: "Leeds, Daniel" <dleeds@amgen.com>

To what degree does this solution **protect** the share itself? Is there a way to tie the server share to a given interface, or better yet, bind nfsd itself to a specific interface? Call me paranoid, but I don't trust the builtin security mechanisms of nfs too far, especially considering the vulnerability rates of some Solaris rpc services in recent years.

If nfsd cannot be specifically bound to a given interface (and hence not bound to others), then a private network between two machines will serve only to prevent man-in-the-middle types of attacks but still leaves the data vulnerable to any attack on the nfs server itself through the public interfaces.

Ideas?

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On Wed, 24 Mar 2004, Leeds, Daniel wrote:

- > *should be simple. you can either cross connect the two machines secondary*
- > *interfaces or plug each interface into a seperate VLAN/switch/hub.*
- >
- > *setup the ip's on each machine and hosts/dns entries as needed. verify*
- > *connectivity via ping etc between the hosts.*
- >
- > *setup NFS as normal but mount via the private VLAN. so if hosta and hostb*
- > *are primary and hosta-priv and hostb-priv are the new private network links*
- > *your mount scenario would be:*
- >
- > *on host a: mount hostb-priv:/export /export*
- > *on host b: mount hosta-priv:/export /export*
- >
- > *etc etc etc.*
- >

SecurityFocus SUN: RE: NFS Over Private Network

> --daniel
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>
> > -----Original Message-----
> > From: Michael Wright [mailto:cshelp@plu.edu]
> > Sent: Wednesday, March 24, 2004 1:45 PM
> > To: focus-sun@securityfocus.com
> > Subject: NFS Over Private Network
> >
> >
> > Hi, I have two Sun Servers (one running Solaris 8 the other
> > Solaris 9).
> > I would like to try and setup the machines so that I can use
> > NFS over a
> > private network between the two machines using their second
> > NIC cards.
> > Is this possible? Any information and suggestions would be greatly
> > appreciated. Also, do I have to set anything special for the NICs as
> > far as routing is concerned?
> >
> > Thanks,
> >
> > Michael
> >
> > PS: I know something like this was on the list previously, but I
> > couldn't find any response to the question, so I'm asking again.
> > --
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