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Message-ID: <CAH8yC8mzcw-C257znYHH+qSyXoFVJWaAD=3dbvH3ZxymUtZU0A@mail.gmail.com>  
Date: Tue, 1 Nov 2022 16:57:25 -0400  
From: Jeffrey Walton <no loader@...il.com>  
To: oss-security@...ts.openwall.com  
Subject: Re: OpenSSL X.509 Email Address 4-byte Buffer Overflow  
(CVE-2022-3602), X.509 Email Address Variable Length Buffer Overflow (CVE-2022-3786)

On Tue, Nov 1, 2022 at 3:55 PM Pavan Maddamsetti  
<pavan.maddamsetti@...il.com> wrote:  
>  
> <https://github.com/RustCrypto>

I hope this does not start a war.. The problem with Rust is, it's only guaranteed to work on i686 and x86\_64.

Trying to compile Rust programs on armel, armhf, aarch64 and PowerPC has been excruciatingly painful. The tool cannot compile its own cargo's on those platforms. I gave up trying to use Rust on anything but x86\_64.

(Don't believe the marketing literature at <https://doc.rust-lang.org/beta/rustc/platform-support.html>).

Jeff

> On Tue, Nov 1, 2022, 3:42 PM Dave Horsfall <dave@...sfall.org> wrote:  
>  
> > On Tue, 1 Nov 2022, Demi Marie Obenour wrote:  
> >  
> > [ Massive trim ]  
> >  
> > > 3. When will OpenSSL be replaced by something written in a safe  
> > > language, or at least with a better-maintained fork? I know that  
> > > distributions often cannot use LibreSSL (because FIPS, ugh) or  
> > > BoringSSL (because of no stable API or ABI), but I wonder if e.g.  
> > > libcurl should be linked to BoringSSL instead.  
> >  
> > We see this over at <https://boringssl.goglesource.com/boringssl/> :  
> >  
> > ``Although BoringSSL is an open source project, it is not intended  
> > for general use, as OpenSSL is. We don't recommend that third parties  
> > depend upon it. Doing so is likely to be frustrating because there  
> > are no guarantees of API or ABI stability.''  
> >  
> > If even the manufacturer says that you shouldn't use it...  
> >

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