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Category: [Application \(Multimedia\)](#) > [Helix Universal Server](#)

Vendors: [RealNetworks](#)

(Vendor Issues Fix) Re: Helix Universal Server and RealServer URL Parsing Flaw in View Source Plug-in Lets Remote Users Execute Arbitrary Code With Root Privileges

SecurityTracker Alert ID: 1007692

CVE Reference: [GENERIC-MAP-NOMATCH](#) ([Links to External Site](#))

Date: Sep 13 2003

Impact: [Execution of arbitrary code via network](#), [Root access via network](#)

Fix Available: Yes Vendor Confirmed: Yes

Version(s): 9.0.2.794 and prior versions

Description: A vulnerability was reported in the RealNetworks Helix Universal Server version 9 and prior versions. A remote user can execute arbitrary code with root privileges.

It is reported that a remote user can request a URL containing large numbers of certain character strings to cause the server to execute arbitrary code. The flaw reportedly resides in the protocol parsers.

According to the vendor, the RealNetworks Proxy products are not affected.

Impact: A remote user can execute arbitrary code with root privileges.

Solution: The vendor has issued a fix. The vendor reports that upgrading requires reinstallation of the software, and that any previously provided and current (non-expired) 9.0.x product license will enable this upgrade.

See the vendor's advisory for details about the upgrade.

Upgrades for all actively supported Helix Universal Server platforms are available:

Compaq:

[http://forms.real.com/rnforms/products/servers/download/download.final.html?
platform=Compaq+Tru64+5.1+%26+5.1A&product=Helix+Universal+Server&progra](http://forms.real.com/rnforms/products/servers/download/download.final.html?platform=Compaq+Tru64+5.1+%26+5.1A&product=Helix+Universal+Server&progra)

FreeBSD:

[http://forms.real.com/rnforms/products/servers/download/download.ad.final.html?
platform=FreeBSD+4.0+%26+4.5&product=Helix+Universal+Server&program=basi](http://forms.real.com/rnforms/products/servers/download/download.ad.final.html?platform=FreeBSD+4.0+%26+4.5&product=Helix+Universal+Server&program=basi)

HP UX:

[http://forms.real.com/rnforms/products/servers/download/download.final.html?
platform=HP+UX+11.0+%26+11.i&product=Helix+Universal+Server&program=basi](http://forms.real.com/rnforms/products/servers/download/download.final.html?platform=HP+UX+11.0+%26+11.i&product=Helix+Universal+Server&program=basi)

IBM AIX:

<http://forms.real.com/rnforms/products/servers/download/download.final.html?>

platform=IBM+AIX+4.3+%26+5L&product=Helix+Universal+Server&program=basic

Linux:

<http://forms.real.com/rnforms/products/servers/download/download.final.html?platform=Linux+version+2.4.18&product=Helix+Universal+Server&program=bas>

Sun Solaris 2.7:

<http://forms.real.com/rnforms/products/servers/download/download.final.html?platform=Sun+Solaris+2.7&product=Helix+Universal+Server&program=basic&>

Sun Solaris 2.8:

<http://forms.real.com/rnforms/products/servers/download/download.final.html?platform=Sun+Solaris+2.8&product=Helix+Universal+Server&program=basic&>

Windows:

<http://forms.real.com/rnforms/products/servers/download/download.final.html?platform=Windows+NT+4.0+2000&product=Helix+Universal+Server&program=p>

The latest version is:

Helix Universal Server 9.01 Security Update
Version: 9.0.2.802

Platform and configuration support details are available at

http://www.realnetworks.com/resources/contentdelivery/server/recommended_platforms.html

Server 8.0x customers should contact Customer Service for upgrade information:

<http://service.real.com/helix/>

The vendor notes that Server 7, 6 and G2 are not supported servers and have not been patched.

Vendor URL: www.service.real.com/help/faq/security/rootexploit091103.html (Links to External Site)

Cause: Not specified

Underlying OS: [Linux \(Any\)](#), [UNIX \(AIX\)](#), [UNIX \(FreeBSD\)](#), [UNIX \(HP/UX\)](#), [UNIX \(Solaris - SunOS\)](#), [UNIX \(Tru64\)](#), [Windows \(NT\)](#), [Windows \(2000\)](#), [Windows \(XP\)](#)

Message History: This archive entry is a follow-up to the message listed below.

Aug 23 [Helix Universal Server and RealServer URL Parsing Flaw in View Source Plug-in Lets](#)
2003 [Remote Users Execute Arbitrary Code With Root Privileges](#)



Source Message Contents

Date: Fri, 12 Sep 2003 20:13:47 -0400

Subject:

<http://www.service.real.com/help/faq/security/rootexploit091103.html>

> Server Exploit Fix
>
> Updated September 11, 2003

> Affected Software:
>
> Helix Universal Server 9.01, versions 9.0.2.794 and earlier
> RealSystem Server 8.0 & 7.0

RealNetworks issue a fix for a previously reported vulnerability in the Helix Universal Server (and RealSystem Server and RealServer).

The vendor reports that upgrading requires reinstallation of the software, and that any previously provided and current (non-expired) 9.0.x product license will enable this upgrade.

See the vendor's advisory for details about the upgrade.

Upgrades for all actively supported Helix Universal Server platforms are available:

Compaq:

<http://forms.real.com/rnforms/products/servers/download/download.final.html?platform=Compaq+Tru64+5.1+%26+5.1A&product=Helix+Universal+Server&program=basic&version=Helix+Universal+Server>

FreeBSD:

<http://forms.real.com/rnforms/products/servers/download/download.final.html?platform=FreeBSD+4.0+%26+4.5&product=Helix+Universal+Server&program=basic&version=Helix+Universal+Server>

HP UX:

<http://forms.real.com/rnforms/products/servers/download/download.final.html?platform=HP+UX+11.0+%26+11.1i&product=Helix+Universal+Server&program=basic&version=Helix+Universal+Server>

IBM AIX:

<http://forms.real.com/rnforms/products/servers/download/download.final.html?platform=IBM+AIX+4.3+%26+5L&product=Helix+Universal+Server&program=basic&version=Helix+Universal+Server>

Linux:

<http://forms.real.com/rnforms/products/servers/download/download.final.html?platform=Linux+version+2.4.18&product=Helix+Universal+Server&program=basic&version=Helix+Universal+Server>

Sun Solaris 2.7:

<http://forms.real.com/rnforms/products/servers/download/download.final.html?platform=Sun+Solaris+2.7&product=Helix+Universal+Server&program=basic&version=Helix+Universal+Server>

Sun Solaris 2.8:

<http://forms.real.com/rnforms/products/servers/download/download.final.html?platform=Sun+Solaris+2.8&product=Helix+Universal+Server&program=basic&version=Helix+Universal+Server>

Windows:

<http://forms.real.com/rnforms/products/servers/download/download.final.html?platform=Windows+NT+4.0+%26+2000&product=Helix+Universal+Server&program=basic&version=Helix+Universal+Server>

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