

Re: RSA SecureID on Solaris

Source: <http://www.derkeiler.com/Mailing-Lists/securityfocus/focus-sun/2002-04/0010.html>

From: Norman Girard (ngirard@qualys.com)

Date: 04/08/02

From: Norman Girard <ngirard@qualys.com>
To: adam morley <adam@qmi.com>
Date: 08 Apr 2002 14:20:18 +0200

Hi Adam,

On Sat, 2002-04-06 at 20:46, adam morley wrote:

> *Is anyone using these to authenticate users on Solaris? Can they be easily integrated into dtlogin, apache, etc.? Perhaps with pam in some way?*

There's many RSA agent to authenticate users. You can connect to <ftp.rsasecurity.com/pub/agents> in order to retrieve some of them.

Patrick Asty (<http://persoweb.francenet.fr/~pasty/>) has developed a module for apache available at :

http://www.deny-all.com/mod_secuid/

>

> *Has anyone looked into how "secure" they are? Can one guess the number on the display, perhaps based on the serial on the back?*

There's no relation between the seed and the serial number.

The synchronisation between the RSA ACE Server and the token is made by an algorithm which takes two parameters in : a seed (64 bits) and the current time (UCT).

Your tokens are provided with a floppy disk which contains an encrypted flat file (.asc) you need to import to your ACE Server. The file contains, for each token, the serial number (you can find on the back of the token), the seed and few others parameters about the token (6 or 8 digits / 30 s, 1 min or 2 min / etc.).

The algorithm has been broken in December 2000 but you need to have the seed in order to generate tokencodes. You can find more information about this algorithm in :

http://www.atstake.com/research/reports/initial_secuid_analysis.pdf.

>

> *For those of you who do run them, have you replaced the password with the securid random + pin number? Or done something else?*

In fact it depends of the agent and the type of the token.

About token types, there's two kinds of token :

– Standard Credit Card (SD200) and keyfob (SD600) where Tokencode is provided by the token and Passcode = Pincod + Tokencode

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– SecurID PINPAD (SD520) and Software SecurID where Pincode is given to the Token in order to generate Passcode

For the type of agents, some of them use securID authentication to replace the standard authentication method (mainly Web Agents). The others use first the standard authentication before using the securID authentication (NetBIOS Shares, Windows login with MSGina, telnetd, etc.).

Regards,
Norman

>
> *thanks,*
> *adam*

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