

[TOOL] SMAC, Windows MAC Address Modifying Utility

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To: list@securiteam.com

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The following security advisory is sent to the securiteam mailing list, and can be found at the SecuriTeam web site: <http://www.securiteam.com>

-- promotion

Beyond Security would like to welcome Tiscali World Online to our service provider team.

For more info on their service offering IP-Secure, please visit http://www.worldonline.co.za/services/work_ip.asp

SMAC, Windows MAC Address Modifying Utility

DETAILS

How SMAC works:

SMAC takes advantage of the NdisReadNetworkAddress function in the Microsoft Device Driver Development Kit (DDK.)

NdisReadNetworkAddress(...) is called by the network adapter driver to obtain a user specified MAC address in the registry. After the driver confirmed that there's a valid MAC address specified in the registry key, the driver then programs the MAC address to its hardware registers to override the burn-in MAC address.

Why to use SMAC:

- * Test Security vulnerabilities on authentication and authorization based on MAC addresses.

- * Test and setup High Availability (Firewall & Application Clustering) solutions

- * Testing network management tools

- * Testing incident response procedures on simulated network problems

- * Testing Intrusion Detection Systems (IDS), whether they are Host and Network Based IDS.

- * Some software can ONLY be installed and run on the systems with

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pre-defined MAC address in the license file. If you need to install one of these applications to another system with a different NIC, this will come handy.

* Software vendors who assigned licenses based on MAC addresses might want to know that there is a way to work around their licensing methods.

* If for whatever reason you need to keep the same MAC address as your old NIC, but your old NIC failed.

* Some Cable Modem ISP (i.e. AT&T Broadband) assign IP addresses to computers base on its MAC addresses. For whatever reason, if you want to swap 2 PC's regularly to connect to the cable modem, it would be a lot easier to change the MAC address than to change Network Interface Card (Of course a cable modem router like Linksys or Netgear would be even easier for this job, and many cable modem routers have "Change MAC Address" feature built-in for this purpose).

ADDITIONAL INFORMATION

The tool can be downloaded from:

<http://www.klcconsulting.net/Change_MAC_w2k.htm>
http://www.klcconsulting.net/Change_MAC_w2k.htm

The information has been provided by <<mailto:klai@klcconsulting.net>> Kyle Lai.

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