

Topic: I/Port I8800 Update: Microsoft Security Update MS04-032
Component(s) Affected: I/Port I8800, XPe
Date: March 23, 2005

OVERVIEW / ENVIRONMENT

ClearCube has provided a new I/Port update file to improve security on the I8800 I/Port. This update comprises the Microsoft Security Update MS04-032 for Windows XPe as it applies to ClearCube I8800 I/Port devices. This update addresses a number of vulnerabilities, as listed in this Technical Bulletin.

Related vulnerabilities are described in MS04-011 (*Technical Bulletin TB0097JS*) and MS04-028 (*Technical Bulletin TB0100JS*). The updates provided with these three Security Updates should all be installed to provide the maximum protection.

Microsoft Security Update MS04-032 is rated by Microsoft as a critical update for Windows XP.

DETAILED DESCRIPTION

These vulnerabilities are addressed in MS04-032:

<http://www.microsoft.com/technet/security/bulletin/ms04-032.msp>

<http://www.cve.mitre.org/cgi-bin/cvename.cgi?name=CAN-2004-0207>

<http://www.kb.cert.org/vuls/id/218526> — A vulnerability in the Microsoft Windows window application programming interfaces (APIs) could allow a local attacker to gain elevated privileges on a vulnerable system.

<http://www.cve.mitre.org/cgi-bin/cvename.cgi?name=CAN-2004-0208>

<http://www.kb.cert.org/vuls/id/910998> — A vulnerability in the way the Microsoft Windows kernel handles invalid opcodes used in DOS emulation could allow a local attacker to gain elevated privileges on a vulnerable system.

<http://www.cve.mitre.org/cgi-bin/cvename.cgi?name=CAN-2004-0209>

<http://www.kb.cert.org/vuls/id/806278> — A buffer overflow vulnerability in the way the Microsoft Windows Graphics Rendering Engine processes WMF and EMF image files could allow an attacker to execute arbitrary code on a vulnerable system.

<http://www.cve.mitre.org/cgi-bin/cvename.cgi?name=CAN-2004-0211>

<http://www.kb.cert.org/vuls/id/119262> — The Microsoft Windows kernel fails to reset values in CPU data structures. This vulnerability could allow an attacker to cause a denial-of-service (DoS) condition.

RESOLUTION

To reduce the threat of these vulnerabilities, install this security update, along with these other updates:

- MS04-011
- MS04-028

This update is provided in a zipped file containing this Technical Bulletin, and these files:

- The local installer, in a folder named **Stand Alone**.
 - A batch file named `Update.bat`
 - A folder named `I/PORT-CLIENT`
- The Grid Center remote installer, in a folder named **GCUpdate**.
 - A batch file named `updateGC.bat`
 - A zipped folder named `I/PORT-CLIENT.zip`

The local installer is an executable file that is run by physically carrying the file to the I/Port on a Mass Storage Device such as a key drive, and then executing it.

The Grid Center remote installer is run from the Grid Center Console, in the Update View, and can be applied to multiple I/Ports or I/Port groups simultaneously.

INSTALLING UPDATE LOCALLY

To install an update locally, do the following:

1. Load the update file onto a Mass Storage Device (MSD) such as a key drive.
2. At the I/Port, log in as administrator. Press and hold the Shift key and select **Logoff** from the Start menu. Keep the Shift key depressed until the Administrator Login dialog box is displayed. The factory default Administrator account is `administrator` and the default password is `clearcube`. These can be changed in the User Accounts control panel.
3. Insert the USB storage device into an available USB port.
4. Browse to the folder on the storage device that contains the update file.
5. Double-click the `Update.bat` file. The update installs automatically and reboots the I/Port.

Note: Do not press any keys during the update. Allow it to run undisturbed.

INSTALLING UPDATE REMOTELY USING GRID CENTER

To install an update remotely with Grid Center, do the following:

1. Load the update files onto a volume accessible by the Grid Center Console.
2. Start Grid Center (if it is not already running).
3. From the Update View, select an individual I/Port or an I/Port Group to update.
4. In the I/Port Update View dialog box, enter the path and name of the `I/PORT-CLIENT.zip` file (you can browse for this).
5. Enter the path and name of the `updateGC.bat` file (you can browse for this).
6. Press the **Update** button.
7. A dialog box confirming the successful update is displayed when the update is complete. If any I/Ports did not update successfully, a dialog box containing the names of these I/Port is displayed. Write these names down and deploy the update to these I/Ports individually.
8. If an I/Port cannot be successfully updated via Grid Center, attempt to update the I/Port locally (using the first procedure) before contacting ClearCube technical support.

For more information, please contact ClearCube technical support.

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