



# CIRT

Danish Computer Incident Response Team

## Security advisory

Windows XP SP2 TFTP Local HEAP based Overflow



Discovered  
by Dennis Rand  
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# Introduction

## Problem

The installation has been made on a Windows XP running with the latest service pack 2 and all current patches released.

The Windows XP software is vulnerability:

- [Windows XP TFTP Heap Based Overflow](#)

## Timeline of public disclosure

- 01-08-2005 Vulnerability discovered
- 15-08-2005 Research completed
- 19-08-2005 Vendor notified
- 19-08-2005 Security vulnerability tagged tftp [6167bgs] at Microsoft
- 08-09-2005 Microsoft responds with an timeframe of fix - See [Corrective actions](#)
- 03-10-2005 Public release

## Contact information

The following vulnerability were discovered by Dennis Rand at CIRT.DK  
Questions regarding this issue should be directed to:

Dennis Rand  
advisory@cirt.dk

## Public PGP key

-----BEGIN PGP PUBLIC KEY BLOCK-----

Version: PGP 8.0

```
mQGIBeAf2xcRBADMr07uP0dJq1ZsXkLzLqEhz58LL77qLbXOMNoDRkAo+4MTZoZC
WMNkZsx3D5tbou4KJZCnayat0PFjymyYLS0J6WauTfXOLA/L+sXTJCa7vSsWwlcQW
m01uy0+djp3XumGHkWdWXvu5cXm7y+UjsF5iiQV8X9EGR18ApoCzA/mi/QCg/zzf
Kw9x7XXG1lpLTPUBI/BvaRkD/2pzf4NLsF7TcCT/rDcNexxr5Ci9xHfg1BFKUCQK
9NnF/umLLM3PVyFk8z17Ra2d8rvPzhDdi+VGu0Flv5cKRRhiu9A4sOE6zbTkv3f
Q+je/ynnp136OLswYG+iCELZqzOssRUte4m9nSeJrbvtyFkW7I/UrBkfursed6yD
vzVDA/4mrWEWgjZk04wEefwg6FOXr2dChGmdoVXaDyKuQ89hp99THPIALjnorNQK
91IbzyJGX+HaU/KyfKgQfeEEd4znfi9EEaDNDzQmbCntmmCq2PAN00ocqm41VNOi
CzEDvsweRxGdffQA+aoNjqeACL1YmPNnTWeNeMNYN7kYD9sTJrQgQ01SVCBBZHZp
c29yeSA8YWR2axNvcnlAY2lydC5kaz6JAFgEEBECABgFAkAf2xcICwkIBwMCAQoC
GQEFgWMAAAACgkQX3fRHNAOUc+KAQCfUD3uWuQmiZjUNXmckYzXVWFni7cAniIS
fmTQMRf3rIs6kKmSXfnfrXG+uQINBEAf2xcQCAD2Qle3CH8IF3KiutapQvMF6PlT
ETlPtvFuuUs4INoBp1ajfOmPQfXz0AfGy0Op1K33TGSgSfgMg7116RfUodNQ+PVZ
X9x2Uk89PY3bzpnHv5JzZf24rnRPxfx2vIPFRzBhznzJZv8V+bv9kV7HAarTW56N
oKVyOtQa8L9GAFgr5fSI/VhOSdvNILSd5JEHNmszbDgNRR0PfiizHHxbLY7288kj
wEPwPvSjY67VYy4XTjTNP18F1dDox0YbN4zISy1Kv884bEpQBGRjXyEpwpy1obE
AxnIByl6ypUM2Zafq9AKUJSrCRtMIPWakXUGfnHy9iUsiGSA6q6JewlXpMgs7AAIC
B/98f1FQkSzTqoH80viqqJTj3xZVe7xi+n4g4Ji3zuHW+jsgg6SPZOykCDSuzTCO
hJ6LLnwFaqGGu2As7RaNd335P8rH1bLwWQmMio+Kohj3Ya7cg6gPkkIMSZAipdca
cXVbxtKZ05dxcixdd02/Hoc84/1mR8aJiOsmFKl4DXJ9OwCglghli914rQLx5mei
K0XheewAT9eA13yPwBUR1EnormDdaz0USX315GBGgVHBO3Xy+muoL8Qzep4PIqfL
Eg18tNXh0vQzBGdmhAjdSVSnsMBts4D5K20HC2YvbdPzWjVeyKg+yTY14r3r1D+x
vSPng/cCcSX1bESzjOMCE6PDiQBMBBgRagAMBQJAH9sXBRsMAAAAAAoJEF930RzQ
DlHPdCgAn1jt7gbjHBTQLwTuZH6mpvOnWYS+AJ4sIPIoGz+6/YQLbWr1zXEbmKxo
CA==
=4wBy
```

-----END PGP PUBLIC KEY BLOCK-----

## File description

### ***MD5 software used***

Filename: md5sum.exe  
Comments: Modified from the version originally developed by Ulrich Drepper  
<drepper@gnu.ai.mit.edu>  
Company name: GMG Systems, Inc.  
Product name: Forensic Acquisition Utilities  
Product version: 1.0.0.1026  
File version: 2.0.1.1032  
MD5 checksum: 607be2b261c516a5c5469314445ab2f2

### ***Windows XP - TFTP.EXE***

#### **Other files:**

Filename: tftp.exe  
File version: 5.1.2600.0  
File version: 5.1.2600.0 (xpclient.010817-1148)  
MD5 checksum: c6e8683b44521d6d5e86443bc3464fb3



## **Corrective actions**

### **Response from Microsoft:**

At this point, it is our understanding that this is a local EoP issue which is limited to that of the security context of the logged on user. Additionally, we are unaware of any remote attack vectors. A fix would be in a service pack fix for the affected supported platforms.

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