

# Firewall Challenge report

March 18, 2008

**Tested product:** Privatefirewall 6.0.11.30  
**Product vendor:** PWI, Inc.  
**Testing platform:** Windows XP Service Pack 2

**Level reached:** 7  
**Total score:** **65 %**

## Introduction

This report presents results of *the Tested product* in the series of tests known as [Firewall Challenge](#). All the information regarding these tests, testing methodology and scoring system is available on [the website of this project](#). Reports of the commercial testing usually contain results of all available levels, reports of the public testing usually contain results of the first level and the following levels up to the highest level reached by the tested product. Public testing results are always published on the project's website, while the results of commercial testing are published only after the consent of the paying customer. The total score is always calculated as if the report was public.

Note that the number of levels, the number of tests or even the tests implementation may change. The report's results are valid at the day of the report's release and are not guaranteed to be valid after that day.

## Testing results

### Level 1

**Level up:** 50 %  
**Product's score:** **89 %**

| Test name    | Result | Comment   |
|--------------|--------|---|
| Breakout2    | 100 %  | <b>PASSED</b>   |
| Coat         | 100 %  | <b>PASSED</b>   |
| ECHOTest     | 0 %    | <b>FAILED</b> – See further notes at the end of the report. |
| Kill1        | 100 %  | <b>PASSED</b>   |
| Kill2        | 100 %  | <b>PASSED</b>   |
| Leaktest     | 100 %  | <b>PASSED</b>   |
| Tooleaky     | 100 %  | <b>PASSED</b>   |
| Wallbreaker1 | 100 %  | <b>PASSED</b>   |
| Yalta        | 100 %  | <b>PASSED</b>   |

### Level 2

Level up: **50 %**

Product's score: **89 %**

| Test name    | Result | Comment       |
|--------------|--------|---------------|
| AWFT1        | 100 %  | <b>PASSED</b> |
| DNSstest     | 100 %  | <b>PASSED</b> |
| Ghost        | 100 %  | <b>PASSED</b> |
| Jumper       | 0 %    | <b>FAILED</b> |
| Kill3        | 100 %  | <b>PASSED</b> |
| Kill3b       | 100 %  | <b>PASSED</b> |
| Kill6        | 100 %  | <b>PASSED</b> |
| Wallbreaker3 | 100 %  | <b>PASSED</b> |
| Wallbreaker4 | 100 %  | <b>PASSED</b> |

### Level 3

Level up: **50 %**

Product's score: **61 %**

| Test name  | Result | Comment  |
|------------|--------|--|
| AWFT3      | 100 %  | <b>PASSED</b>  |
| AWFT4      | 100 %  | <b>PASSED</b>  |
| DNSstester | 0 %    | <b>FAILED</b>  |
| Kill3f     | 0 %    | <b>FAILED</b>  |
| Kill4      | 100 %  | <b>PASSED</b>  |
| Kill7      | 100 %  | <b>PASSED</b>  |
| SSS2       | 0 %    | <b>FAILED</b>  |
| Suspend1   | 50 %   | <b>FAILED</b> – The handle stealing method had to be used. |
| Thermite   | 100 %  | <b>PASSED</b>  |

### Level 4

Level up: **50 %**

Product's score: **50 %**

| Test name  | Result | Comment       |
|------------|--------|---------------|
| CopyCat    | 100 %  | <b>PASSED</b> |
| CPIL       | 100 %  | <b>PASSED</b> |
| CPILSuite1 | 100 %  | <b>PASSED</b> |

|          |       |               |
|----------|-------|---------------|
| Kill3e   | 0 %   | <b>FAILED</b> |
| Kill8    | 100 % | <b>PASSED</b> |
| Kill9    | 0 %   | <b>FAILED</b> |
| SSS      | 0 %   | <b>FAILED</b> |
| Suspend2 | 0 %   | <b>FAILED</b> |

### Level 5

Level up: **50 %**  
 Product's score: **81 %**

| Test name  | Result | Comment  |
|------------|--------|--|
| Breakout1  | 100 %  | <b>PASSED</b>  |
| CPILSuite2 | 100 %  | <b>PASSED</b>  |
| Crash1     | 50 %   | <b>FAILED</b> – The handle stealing method had to be used. |
| Crash2     | 50 %   | <b>FAILED</b> – The handle stealing method had to be used. |
| Crash3     | 50 %   | <b>FAILED</b> – The handle stealing method had to be used. |
| Kill3c     | 100 %  | <b>PASSED</b>  |
| Kill3d     | 100 %  | <b>PASSED</b>  |
| VBStest    | 100 %  | <b>PASSED</b>  |

### Level 6

Level up: **50 %**  
 Product's score: **75 %**

| Test name  | Result | Comment   |
|------------|--------|---|
| CPILSuite3 | 100 %  | <b>PASSED</b>   |
| DDEtest    | 100 %  | <b>PASSED</b>   |
| ECHOtest2  | 0 %    | <b>FAILED</b> – See further notes at the end of the report. |
| FireHole   | 100 %  | <b>PASSED</b>   |
| Flank      | 0 %    | <b>FAILED</b>   |
| Kill10     | 100 %  | <b>PASSED</b>   |
| Kill11     | 100 %  | <b>PASSED</b>   |
| Runner     | 100 %  | <b>PASSED</b>   |

### Level 7

Level up: 50 %

Product's score: 40 %

| Test name  | Result | Comment       |
|------------|--------|---------------|
| BITStest   | 100 %  | <b>PASSED</b> |
| OSfwbypass | 0 %    | <b>FAILED</b> |
| Runner2    | 100 %  | <b>PASSED</b> |
| Schedtest  | 0 %    | <b>FAILED</b> |
| SSS3       | 0 %    | <b>FAILED</b> |

### Level 8

Level up: 50 %

Product's score: **Not reached**

### Level 9

Level up: 75 %

Product's score: **Not reached**

### Level 10

Level up: 100 %

Product's score: **Not reached**

## Further notes

Privatefirewall failed ECHOTest and ECHOTest2 because we changed its ICMP settings (in Internet Security > Custom > Low level settings for incoming/outgoing ICMP messages). We have changed this settings in order to make the system PING working. This conforms to the rule of configuring the tested product to its highest usable security settings.