# Business Product Comparative

## ESET Smart Security vs. Trend Micro Worry-Free Business Security
(Source: "Fast and Effective Endpoint Security for Business"; Comparative Analysis by PassMark Software; June 2010)

### PassMark Grades ESET Smart Security "Fastest, Best Overall Performance"

## Ratings and Summary

PassMark Software has given each security product a rating which reflects its overall performance, ease of use, design, features and level of excellence in that category. Categories represent major functions or feature sets common to the sphere of business security.

| | ESET | Trend Micro |
|---|---|---|
| **Overall Rating** | ★★★★1/2 | ★★★1/2 |
| Installation & Configuration | ★★★☆ | ★★☆1/2 |
| Migration | ★★★☆1/2 | ★★★☆1/2 |
| Default Policies | ★★★☆1/2 | ★★★☆ |
| Client Installation | ★★★☆ | ★★☆1/2 |
| Interface Design | ★★★☆ | ★☆1/2 |
| Client & Policy Management | ★★★★☆ | ★★☆ |
| Remote Management | ★★★☆1/2 | ★★★☆ |
| Updates | ★★★☆ | ★★★★1/2 |
| Common Use Cases | ★★★★☆ | ★★★ |
| Effectiveness | ★★★★★ | ★★ |
| Performance | ★★★★1/2 | ★★ |

## Performance

The following performance categories have been selected as 'real-life' metrics which may impact heavily on endpoint system performance and responsiveness. These benchmarks allow the comparison of the level of impact that business security software products may have on endpoint machines. Products with good performance will have less impact on business activities, workflow and productivity.

| | ESET | Trend Micro | ESET Advantage |
|---|---|---|---|
| Install size (MB) | 284 | 343 | Requires 17% less disk space for installation |
| Memory usage commit charge (MB) | 102.46 | 201.10 | Uses 49% less system resources to perform tasks |
| Word document launch time (ms) | 7,488 | 9,375 | Launches Word documents 20% faster |
| File copy time for small files (s) | 25.35 | 50.40 | Copies documents 49% faster |
| File copy time for large files (s) | 83.70 | 87.45 | Copies media files 4% faster |
| Client signature database size (MB) | 28.62 | 119.88 | 76% smaller footprint on the local disk drive |
| Boot time (s) | 27.72 | 50.80 | Takes 45% less time to start your machine |
| Machine restart time (s) | 78.20 | 79.50 | Takes 1.6% less time to restart your machine |
| Daily network traffic (MB) | 4.06 | 4.19 | 3% smaller impact on corporate network |

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## Features and Functions

Evaluation categories were determined prior to testing and were chosen as a set of expected features or functions which define business security products. Below is a list of ESET's advantages over Trend Micro's solution.

**ESET's Advantages:**
- The Remote Administrator console is highly compatible with most variants and legacy versions of ESET security products, all of which can be managed simultaneously from a single platform
- Endpoints can be automatically sorted into extremely powerful parametric groups as they join the network
- Signature updates are transportable (This feature is advantageous for administrators managing machines on isolated networks)
- Fast and streamlined installation process
- Basic set up guide is extremely user focused
- Default policies provide a good balance for most deployments

**Trend Micro's Disadvantages:**
- Relatively high system impact on endpoint machines, below average performance
- Installer requires moderate amount of input from the user, some installation screens lack detail
- Documentation for the install process isn't entirely accurate which makes it more challenging to troubleshoot
- There is a requirement to install an AcitveX control named "atxEnc" from Trend micro before the console can be accessed
- Somewhat simplistic client and policy management which may be suited for smaller organizations
- Graphical glitches in the interface

## Effectiveness

This category rates the anti-malware effectiveness of a security product based on information from recently published material at reputable, third party testing sites. The sources we have used for this category are VB100 and AV Comparatives.

|  | ESET | Trend Micro |
|---|---|---|
| VB100 awards  (#/success ratio) | 62/ 97% | 16/59% |
| # of Advanced+ awards in proactive/retrospective tests | 13 | 0 |

## Ease of Use

This category examines the relative ease of use and handling for three common management use cases. The scenarios are: conducting an 'on-demand' scan of selected endpoints; creating and viewing a malware report 'on-demand'; and creating, assigning and deploying a new policy.

| Task | ESET | Trend Micro |
|---|---|---|
| Conducting an 'on-demand' scan of selected endpoints | Simple | Simple |
| Creating and viewing a malware report 'on-demand' | Simple | Moderate |
| Creating, assigning and deploying a new policy | Simple | Moderate |

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