



# ADVANCED ENDPOINT PROTECTION

## Cylance Security Value Map™ (SVM)

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### Tested Products

**NSS Labs AEP Group Test:** Cylance CylancePROTECT + OPTICS v2.0.1450

**Cylance Follow-On Test:** Cylance CylancePROTECT + OPTICS v2.2.1011

### Environment

Advanced Endpoint Protection (AEP) Test Methodology v2.0

## Overview

During NSS Labs' 2018 Advanced Endpoint Protection (AEP) Group Test, the Cylance CylancePROTECT + OPTICS v2.0.1450 failed to initiate part of the OPTICS engine, which primarily impacted the exploit and blended threats test categories. This affected its position on the Security Value Map (SVM)<sup>™</sup>. After working closely with NSS, Cylance rolled out a new version of its software (v2.2.1011) for OPTICS. Cylance submitted this updated product for follow-on testing using the AEP Test Methodology v2.0, the same methodology used in the AEP Group Test. The product improved its *Block Rate* by 6.9% and its *Additional Detection Rate* by 0.2%.

## Key Findings

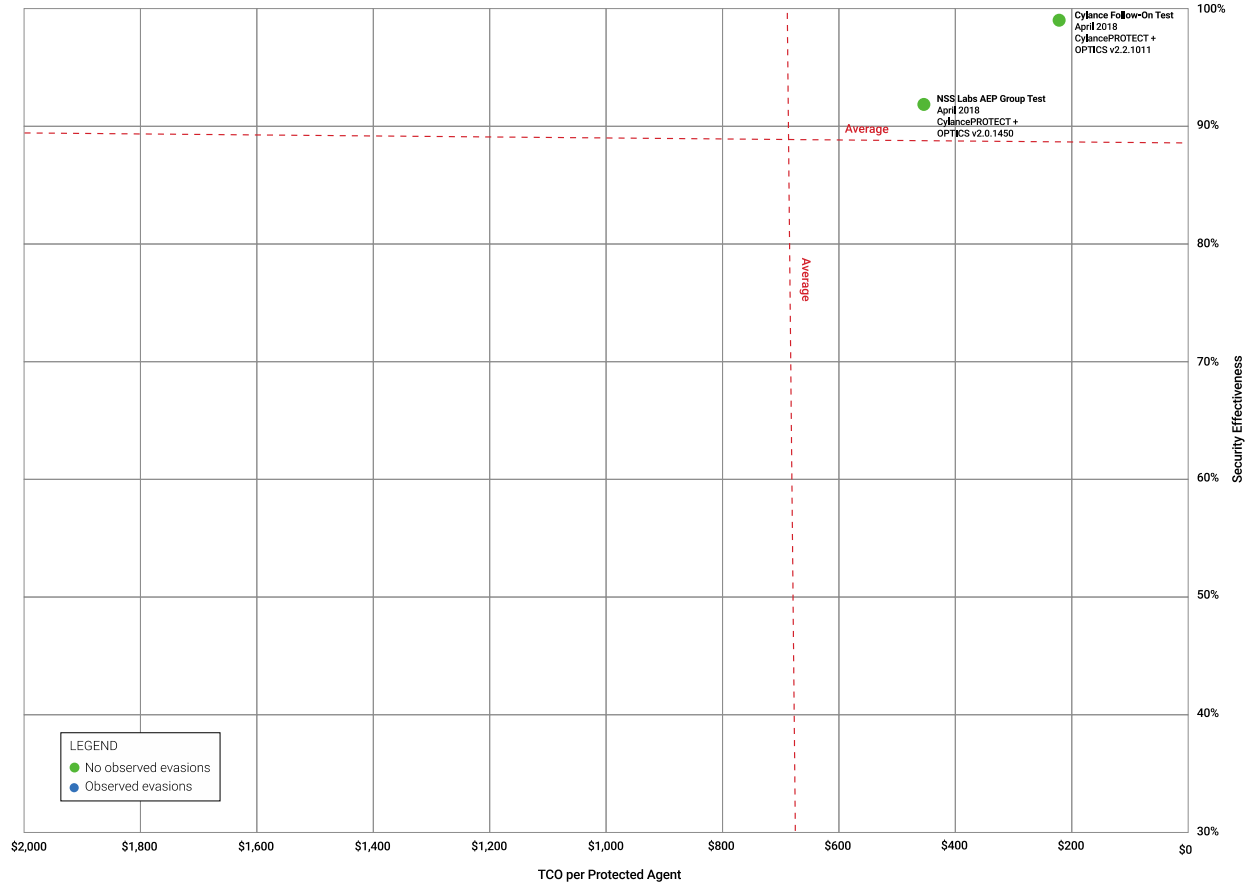
### NSS AEP Group Test

- Cylance CylancePROTECT + OPTICS v2.0.1450 achieved a 92.1% *Security Effectiveness* score and demonstrated a *TCO per Protected Agent (Value)* of \$455.

### Cylance Follow-on Test

- The Cylance CylancePROTECT + OPTICS v2.2.1011 achieved a 99.1% *Security Effectiveness* score and demonstrated a *TCO per Protected Mbps (Value)* of \$223.

The SVM illustrates the relative value of security investment by mapping the *Security Effectiveness* and the *Total Cost of Ownership (TCO) per Protected Agent (Value)* of tested product configurations. The terms *TCO per Protected Agent* and *Value* are used interchangeably throughout NSS reports.



**Figure 1 –2018 Cylance Security Value Map™ (SVM)**

Note: For guidance on how to read the SVM, please refer to the AEP 2018 SVM Comparative Report.<sup>1</sup>

Product	Block Rate	Evasions	Security Effectiveness	TCO per Protected Agent
NSS Labs AEP Group Test	92.1%	100%	92.1%	\$455
Cylance Follow-on Test	99.1%	100%	99.1%	\$223

**Figure 2 – Results**

<sup>1</sup> Advanced Endpoint Protection Comparative Report – Security Value Map

## Results

### NSS Labs AEP Group Test: April 2018 (Cylance CylancePROTECT + OPTICS v2.0.1450)

<b>Security Effectiveness</b>	The product received an overall <i>Security Effectiveness</i> rating of 92.1%.
<b>Evasions</b>	The product received a score of 100% for evasions. Refer to the AEP Comparative Report on Security for more on how evasions are factored into the <i>Security Effectiveness</i> score.
<b>False Positives</b>	After the initial tuning, the product did not alert on any false positives during testing.

### Cylance Follow-on Test: April 2018 (Cylance CylancePROTECT + OPTICS v2.2.1011)

<b>Security Effectiveness</b>	The product received an overall <i>Security Effectiveness</i> rating of 99.1%.
<b>Evasions</b>	The product received a score of 100% for evasions. Refer to the AEP Comparative Report on Security for more on how evasions are factored into the <i>Security Effectiveness</i> score.
<b>False Positives</b>	After the initial tuning, the product did not alert on any false positives during testing.

# Test Methodology

Advanced Endpoint Protection (AEP) Test Methodology v2.0

A copy of the test methodology is available on the NSS Labs website at [www.nsslabs.com](http://www.nsslabs.com).

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