

Enterprise Advanced Security Coro Endpoint Detection and Response



SE LABS ® tested **Coro – EDR** against against targeted attacks based on Threat Series: 9

These attacks are designed to compromise systems and penetrate target networks in the same way as the advanced persistent hacking groups known as Scattered Spider, APT29 and Lapsus\$ operate to breach systems and networks.

Full chains of attack were used, meaning that testers behaved as real attackers, probing targets using a variety of tools, techniques and vectors before attempting to gain lower-level and more powerful access. Finally, the testers/attackers attempted to complete their missions, which might include stealing information, damaging systems and connecting to other systems on the network.

Contents

Introduction	04
Executive Summary	05
Enterprise Advanced Security Protection Award	05
1. How We Tested	06
Threat Responses	07
Attack Details	08
2. Total Accuracy Ratings	09
3. Response Details	10
4. Threat Intelligence	12
5. Legitimate Accuracy Rating	15
6. Conclusion	16
Appendices	17
Appendix A: Terms Used	17
Appendix B: FAQs	17
Appendix C: Attack Details	18
Appendix D: Product Version	21

Document version 1.0 Written 6th November 2024

B SE LABS

Management

Chief Executive Officer **Simon Edwards** Chief Operations Officer **Marc Briggs** Chief Human Resources Officer **Magdalena Jurenko** Chief Technical Officer **Stefan Dumitrascu**

Testing Team

Nikki Albesa Thomas Bean Solandra Brewster Gia Gorbold Anila Johny Erica Marotta Jeremiah Morgan Julian Owusu-Abrokwa Joseph Pike Georgios Sakatzidi Dimitrios Tsarouchas Stephen Withey

Marketing Sara Claridge Janice Sheridan

Publication Rahat Hussain Colin Mackleworth

IT Support Danny King-Smith Chris Short

Website selabs.uk Email info@SELabs.uk LinkedIn www.linkedIn.com/company/se-labs/ Blog blog.selabs.uk Post SE Labs Ltd, 55A High Street, Wimbledon, SW19 5BA, UK

SE Labs is ISO/IEC 27001 : 2013 certified and BS EN ISO 9001 : 2015 certified for The Provision of IT Security Product Testing.

SE Labs is a member of the Microsoft Virus Initiative (MVI); the Anti-Malware Testing Standards Organization (AMTSO); the Association of anti Virus Asia Researchers (AVAR); and NetSecOPEN.

© 2024 SE Labs Ltd

Introduction



CEO Simon Edwards

If you spot a detail in this report that you don't understand, or would like to discuss, please contact us. SE Labs uses current threat intelligence to make our tests as realistic as possible. To learn more about how we test, how we define 'threat intelligence' and how we use it to improve our tests please visit our website and follow us on LinkedIn.

Early Protection Systems Testing protection against fully featured attacks

There are many opportunities to spot and stop attackers. Products can detect them when attackers send phishing emails to targets. Or later, when other emails contain links to malicious code. Some kick into action when malware enters the system. Others sit up and notice when the attackers exhibit bad behaviour on the network.

Regardless of which stages your security takes effect, you probably want it to detect and prevent before the breach runs to its conclusion in the press.

Our Enterprise Advanced Security test is unique, in that we test products by running a full attack. We follow every step of a breach attempt to ensure that the test is as realistic as possible.

This is important because different products can detect and prevent threats differently.

Ultimately you want your chosen security product to prevent a breach one way or another, but it's more ideal to stop a threat early, rather than watch as it wreaks havoc before stopping it and trying to clean up. Some products are designed solely to watch and inform, while others can also get involved and remove threats either as soon as they appear or after they start causing damage.

For the 'watchers' we run the Enterprise Advanced Security test in Detection mode. For 'stoppers' like **Coro – EDR** we can demonstrate effectiveness by testing in Protection Mode.

In this report we look at how **Coro – EDR** handled full breach attempts. At which stages did it detect and protect? And did it allow business as usual, or mis-handle legitimate applications?

Understanding the capabilities of different security products is always better achieved before you need to use them in a live scenario. SE Labs' Enterprise Advanced Security test reports help you assess which are the best for your own organisation.

Executive Summary

Coro – EDR was tested against a range of hacking attacks designed to compromise systems and penetrate target networks in the same way as criminals and other attackers breach systems and networks.

We examined its abilities to:

- Detect highly targeted attacks
- Protect against the actions of highly targeted attacks
- Provide remediation to damage and other risks posed by the threats
- Handle legitimate applications and other objects

Legitimate files were used alongside the threats to measure any false positive detections or other sub-optimal interactions.

Coro – EDR posted excellent results, detecting all of the threats and protecting against almost all of them. It generated no false positives, meaning that it didn't wrongly detect or hamper harmless, legitimate software. One percent shy of a perfect Total Accuracy Rating is a great result in a challenging test.

Enterprise Advanced Security Protection Award

The following product wins the SE Labs award:



Executive Summary

Product Tested	Protection Accuracy	Legitimate Accuracy	Total Accuracy	
	Rating (%)	Rating (%)	Rating (%)	
Coro – EDR	99%	100%	99%	

• Products highlighted in green were the most accurate, scoring 90 per cent or more for Total Accuracy. Those in orange scored less than 90 but 71 or more. Products shown in red scored less than 71 per cent.

For exact percentages, see 2. Total Accuracy Ratings on page 9.

₽ SE LABS

1. How We Tested

Testers can't assume that products will work a certain way, so running a realistic advanced security test means setting up real networks and hacking them in the same way that real adversaries behave.

In the diagram on the right you will see an example network that contains workstations, some basic infrastructure such as file servers and a domain controller, as well as cloud-based email and a malicious command and control (C&C) server, which may be a conventional computer or a service such as Dropbox, Twitter, Slack or something more imaginative.

As you will see in the **Threat Responses** section on page 7, attackers often jump from one compromised system to another in so-called 'lateral movement'. To allow products to detect this type of behaviour the network needs to be built realistically, with systems available, vulnerable and worth compromising.

It is possible to compromise devices such as enterprise printers and other so-called 'IoT' (internet of things) machines, which is why we've included a representative printer in the diagram.

The techniques that we choose for each test case are largely dictated by the real-world behaviour of online criminals. We observe their tactics and replicate what they do in this test. To see more



details about how the specific attackers behaved, and how we copied them, see **Attack Details** on page 8 and, for a really detailed drill down on the details, **4. Threat Intelligence** on pages 12-14 and **Appendix C: Attack Details** on pages 18-21 This example of a test network shows one possible topology and ways in which enterprises and criminals deploy resources

Threat Responses

Full Attack Chain: Testing Every Layer of Detection and Protection

Attackers start from a certain point and don't stop until they have either achieved their goal or have reached the end of their resources (which could be a deadline or the limit of their abilities). This means that, in a test, the tester needs to begin the attack from a realistic first position, such as sending a phishing email or setting up an infected website, and moving through many of the likely steps leading to actually stealing data or causing some other form of damage to the network.

If the test starts too far into the attack chain, such as executing malware on an endpoint, then many products will be denied opportunities to use the full extent of their protection and detection abilities. If the test concludes before any 'useful' damage or theft has been achieved, then similarly the product may be denied a chance to demonstrate its abilities in behavioural detection and so on.

Attack Stages

The illustration (below) shows typical stages of an attack. In a test, each of these should be attempted to determine the security solution's effectiveness. This test's results record detection and protection for each of these stages.

We measure how a product responds to the first stages of the attack with a detection and/ or protection rating. Sometimes products allow threats to run yet still detect them. Other times they might allow the threat to run briefly before neutralising it. Ideally, they detect and block the threat before it has a chance to run. Products may delete threats or automatically contain them in a 'quarantine' or other safe holding mechanism for later analysis.

Should the initial attack phase succeed, we then measure post-exploitation stages, which are represented by steps two through to seven below. We broadly categorise these stages as: Access (step 2); Action (step 3); Escalation (step 4); and Post-Escalation (steps 5-6).

In figure 1. you can see a typical attack running from start to end, through various 'hacking' activities. This can be classified as a fully successful breach.

In figure 2. a product or service has interfered with the attack, allowing it to succeed only as far as stage 3, after which it was detected and neutralised. The attacker was unable to progress through stages 4 onwards.

It is possible for an attack to run in a different order with, for example, the attacker attempting to connect to other systems without needing to escalate privileges. However, it is common for password theft (see step 5) to occur before using stolen credentials to move further through the network.



Attack Details

When testing services against targeted attacks it is important to ensure that the attacks used are relevant. Anyone can run an attack randomly against someone else. It is the security vendor's challenge to identify common attack types and to protect against them. As testers, we need to generate threats that in some way relate to the real world.

All of the attacks used in this test are valid ways to compromise an organisation. Without any security in place, all would succeed in attacking the target. Outcomes would include systems infected with ransomware, remote access to networks and data theft.

But we didn't just sit down and brainstorm how we would attack different companies. Instead we used current threat intelligence to look at what the bad guys have been doing over the last few years and copied them quite closely. This way we can test the services' abilities to handle similar threats to those faced by global governments, financial institutions and national infrastructure.

The graphic on this page shows a summary of the attack groups that inspired the targeted

Attacker/ APT Group	Method	Target	Details
Scattered Spider	Exploiting Applications/ Valid Accounts	80 KB	Financially motivated group most famous for the MGM Resorts International attack.
APT29	Compromised Credentials/ VPN Access	E	A common tactic of this group is to embed ransomware inside PDF documents.
Lapsus\$	Compromised Credentials/ VPN Access	🏚 🚠 🚠	Social engineering for credential harvesting, SIM swapping and destructive behaviour even without deploying ransomware.



attacks used in this test. If a service was able to detect and protect against these then there's a good chance they are on track to blocking similar attacks in the real world. If they fail, then you might take their bold marketing claims about defeating hackers with a pinch of salt. For more details about each APT group please see **4. Threat Intelligence** on pages 12-14.

2. Total Accuracy Ratings

Judging the effectiveness of an endpoint security product is a subtle art, and many factors are at play when assessing how well it performs. To make things easier we've combined all the different results from this report into one easy-to-understand chart.

The chart below takes into account not only the product's ability to detect and protect against threats, but also its handling of non-malicious objects such as web addresses (URLs) and applications.

Not all protections, or detections for that matter, are equal. A product might completely block a URL, which stops the threat before it can even start its intended series of malicious events. Alternatively, the product might allow a web-based exploit to execute but prevent it from downloading any further code to the target. In another case malware might run on the target for a short while before its behaviour is detected and its code is deleted or moved to a safe 'quarantine' area for future analysis. We take these outcomes into account when attributing points that form final ratings.

For example, a product that completely blocks a threat is rated more highly than one that allows a threat to run for a while before eventually evicting it. Products that allow all malware infections, or that block popular legitimate applications, are penalised heavily.

Scoring a product's response to a potential breach requires a granular method, which we outline in **3. Response Details** on page 10.

Total Accuracy Ratings



• Total Accuracy Ratings combine protection and false positives.

se labs presents THE-C2

TUESDAY 25TH AND WEDNESDAY 26TH MARCH 2025

Connecting business with cyber security

The-C2 is an exclusive, invite-only threat intelligence event that connects multinational business executives with the cutting edge of the cyber security industry. The event enables frank and open discussion of the developing digital threat landscape among global security leaders.

The-C2 is hosted by SE Labs, the world's leading security testing lab. Its unique position in the industry provides a route to understanding both the developing threat landscape and the evolving security measures for defending against attackers.

REGISTER AT THE-C2.COM

3. Response Details

In this test security products are exposed to attacks, which comprise multiple stages. The perfect product will detect and protect against all relevant elements of an attack. The term 'relevant' is important, because if early stages of an attack are countered fully there is no need for later stages to be addressed.

In each test case the product can score a maximum of four points for successfully detecting the attack and protecting the system from ill effects. If it fails to act optimally in any number of ways it is penalised, to a maximum extent of -9 (so -5 points in total). The level of penalisation is according to the following rules, which illustrate the compound penalties imposed when a product fails to prevent each of the stages of an attack.

Detection (-0.5)

If the product fails to detect the threat with any degree of useful information, it is penalised by 0.5 points.

Execution (-0.5)

Threats that are allowed to execute generate a penalty of 0.5 points.

Action (-1)

If the attack is permitted to perform one or more actions, remotely controlling the target, then a further penalty of 1 point is imposed.

Privilege escalation (-2)

As the attack impact increases in seriousness, so do the penalties. If the attacker can escalate system privileges then an additional penalty of 2 points is added to the total.

Post-escalation action (-1)

New, more powerful and insidious actions are possible with escalated privileges. If these are successful, the product loses one more point.

Lateral movement (-2)

The attacker may attempt to use the target as a launching system to other vulnerable systems. If successful, two more points are deducted from the total.

Lateral action (-2)

If able to perform actions on the new target, the attacker expands his/ her influence on the network and the product loses two more points.

The Protection Rating is calculated by multiplying the resulting values by 4. The weighting system that we've used can be adjusted by readers of this report, according to their own attitude to risk and how much they value different levels of protection. By changing the penalisation levels and the overall protection weighting, it's possible to apply your own individual rating system.

The Total Protection Rating is calculated by multiplying the number of Protected cases by four (the default maximum score), then applying any penalties. Finally, the total is multiplied by four (the weighting value for Protection Ratings) to create the Total Protection Rating.

Response Details

Attacker/APT Group	Number of Incidents	Detection	Delivery	Execution	Action	Privilege Escalation	Post-Escalation Action	Lateral Movement	Lateral Action	Protected	Penalties
Scattered Spider	18	18	16	2	0	0	0	0	0	18	2
APT29	18	18	16	2	0	0	0	0	0	18	2
Lapsus\$	6	6	6	0	0	0	0	0	0	6	0
TOTAL	42	42	38	4	0	0	0	0	0	42	4

• This data shows how the product handled different stages of each APT group. The columns labelled 'Delivery' through to 'Lateral Action' show how many times an attacker succeeded in achieving those goals. A 'zero' result is ideal.

Protection Accuracy Rating Details

Attacker/ APT Group	Number of Incidents	Protected	Penalties	Protection Score	Protection Rating
Scattered Spider	18	18	2	71	284
APT29	18	18	2	59	236
Lapsus\$	6	6	0	24	96
TOTAL	42	42	4	154	616

• Different levels of protection, and failure to protect, are used to calculate the Protection Rating.

Protection Accuracy Ratings

1	Ē		1	
Coro – EDR				616 99%
0	156	312	468	62

• Detection Ratings are weighted to show that how products detect threats can be subtler than just 'win' or 'lose'.

4. Threat Intelligence

Scattered Spider

The Scattered Spider group has been active since at least 2022 and focussed on targets that provided customer relationship and business process solutions. It also attacks telecommunication and high-tech businesses.

Reference: https://attack.mitre.org/groups/G1015/

acanered apriler	(G1015) ×	+3							
Recon 10 %	naissance	Resourc	e Development techniques		Initial Access	Execution 14 techniques		Persistence 20 techniques	
Active Scanning _(2G) Gather Victim Host		Acquire Access Acquire		Content Injection		Cloud Administration Command		Additional Cloud Credentials Additional Cloud Roles	Abuse Eler Control Mechanist
nformation (page	Credentials	(84)	1	Compromise		Command and Scripting	Account Manipulation	Additional Container Cluster Roles	Access Tol Manipulat
Sather Victim Identity Information	Email Addresses	Accounts (3(2)		Explort Public- Facing		Interpreter (2/10)	9.4	Additional Email Delegate Permissions	(RR
(1/2)	Employee Names	Compromise Infrastructure		External		Administration		SSH Authorized Keys	
Gather Victim Network Information		69		Remote Services		Deploy Container	BITS Jobs	•	Account
Gather Victim Org		Develop Capabilities _{plip} Establish	i	Hardware Additions		Exploitation for Client Execution	Boot or Logon Autostart Execution		(2,4)
0.0	Spearphishing Attachment	Accounts (3/2)	Artificial Intelligence		Spearphishing Attachment Spearphishing Link	Inter-Process Communication	Boot or Logon Initialization		
Thishing for information (249)	Spearphishing Link Spearphishing Service		Code Signing Certificates	Phishing (1/4)	Spearphishing via Service	Native API	Browser		Boot or Lo Autostart Execution
	Spearphishing Voice	Obtain Canabilities	Digital Certificates Exploits	Replication	Spearphishing Voice	Scheduled Task/Job (0.5)	Compromise		Boot or Lo Initializatio
Sources (AG)		(1/5)	Malware	Removable		Execution	Host Software Binary		Scripts 10.5
Search Open Technical Databases			Tool	Supply Chain	1	Shared Modules	Create Account		Modify Sys Process
dr9			Vulnerabilities	Compromise		Software Deployment Tools	Create or Modify		Domain or
Search Open Websites/Domains		Stage Capabilities (0/0)		Trusted Relationship		System Services	Attacker	techniques documer	nted
Search Victim-					Cloud Accounts	User Execution	by the M	ITRE ATT&CK framev	vork.

Example Scattered Spider Attack

Delivery	Execution	Action	Privilege Escalation	Post-Escalation	Lateral Movement	Lateral Action
	Malicious Link	System Information Discovery		Hide Artifacts	SSH	Clipboard Data
	Web Protocols	File and Directory Discovery		Disable or Modify System Firewall		Data from Local System
	Windows Command Shell	Process Discovery		Scheduled Task/Job		Email Collection
Exploit Public-Facing		Query Registry	Bypass User Account Control	LSASS Memory		
production		Remote System Discovery				Input Conturn
		Network Share Discovery				Tilbur Cabrure
		Network Service Discovery				

APT29

Thought to be connected with Russian military cyber operations, APT29 targets government, military and telecommunications sectors. It is believed to have been behind the Democratic National Committee hack in 2015, in which it used phishing emails with attached malware or links to malicious scripts.

Reference:

https://attack.mitre.org/groups/G0016/

APT29 (G8016) x	*						
Reconnaissance 10 techniques	Resourc 71	e Development techniques		Initial Access 9 techniques	1	Execution 2 techniques	
Active Scanning (0/5)	1	Botnet	Drive-by			AppleScript	
Gather Victim Host		DNS Server	Compromise			JavaScript	Account
Information (0)(4)	Accuira	Domains	Exploit Public- Facing			Network Device CLI	Manipulation (
Gather Victim identity Information mat	Infrestructure (2)(0)	Server	Application		Command and	PowerShell	
Gather Victim Network		Virtual Private Server	External Remote Services		Scripting Interpreter (3/8)	Python	BITS Jobs
Information (0,40)		Web Services	Hardware			Unix Shell	
Information (0.40	Compromise		Additions			Visual Basic	
Phishing for	Accounts (0,12)			Spearphishing Attachment		Windows Command Shell	
Information (0/2)		Botnet	Phishing (2/2)	U Spearphishing Link	Container	-	
Search Closed Sources (0.01		DNS Server		Spearphishing via Service	Administration Command		
Search Open	Compromise	Domains	Replication		Deploy Container		
Technical Databases	(UR)	Server	Removable Media		Exploitation for		Boot or Logon
Search Open		Virtual Private Server		Compromise Handware Supply Chain	Client Execution	L	Autostart Execution
Websites/Domains (0(2)		Web Services	Supply Chain	Compromise Software Dependencies and Development Tools	Inter-Process Communication		Lane.
Search Victim-Owned		Code Signing Certificates	Compromise prist	Composition Collingia Station Chain	Notice ADI		
Tradition -	Develop	Digital Certificates	Trusted	Contraction of the coppet criter		At 0 inus	
	Capabilities (2/4)	Exploits	Relationship			At (Difedmen)	
		Matware		Cloud Accounts		At (windows)	
	Establish		Valid	Default Accounts	Sched led	Container Orchestration Job	
	Accounts (0/2)		Accounts (1(4)	Domain Accounts	Attacker t	echniques docum	nented
	Capabilities (0,40)	1		Local Accounts	huthe MT		ienteu
	Stage				by the MI	RE ATTACK ITAII	iework.

Example APT29 Attack

Delivery	Execution	Action	Privilege Escalation	Post-Escalation	Lateral Movement	Lateral Action	
Exploit Public-Facing Application	Web Protocols	Domain Account		Pass the Ticket			Exfiltration Over Asymmetric Encrypted Non-C2 Protocol
	Steganography	Domain Groups		Web Session Cookie		Archive via Utility	
	Malicious File	Internet Connection Discovery	Bypass User Account Control	Local Accounts	Remote Desktop Protocol	Remote Data Staging	
External Remote Services	Internal Proxy	File and Directory Discovery		Domain Accounts			
	Mark-of-the-Web Bypass	Durania Taut Diana				Remote Email Collection	
	Multi-hop Proxy	Domain trust Discovery					

Lapsus\$

Relying largely on social engineering to begin its attacks, Lapsus\$ has operated since mid-2021. Its approach often needs destructive attacks to extort ransoms from victims, although without using ransomware.

Reference: https://attack.mitre.org/groups/G1004/

LAPSUS\$ (G1004) × +									
Rec 1	onnaissance O techniques	Resou	rce Development 8 techniques	Initi 10	al Access achniques	Execution 14 techniques		Persistence 20 techniques		
Active Scenning		Acquire Access		Content		Cloud Administration	1	Additional Cloud Credentials	Abuse Elevation	
Gather Vintim			Batnet	Drive-try		Commend		Additional Cloud Roles	Control	
lost Information			DMP Pages	Compromise		Command and	Account	Additional Container Cluster Roles	(0 E)	
30.41		1	Disa aerver	Expidit		Interpreter	Inst	Additional Email Delegate Permissions	Access	
Gather Victim	Credentiate		Domains	Facing		(0/10)		Device Registration	Manipulation	
Identity	Email Addresses	Acquire Infrastructure	Malvertising	Application	Container Administration	Container Administration	Container Administration	ainer inistration SSH Authorized K		(0/8)
15/41	Employee Names	(7/8)	Server	External		Command	BITS labe			
Gather Victim			Serverless	Services		Deploy	0110 0000			
Information	1		Virtual Private Server	Hardware		Container	Autostart		Account	
	Business Relationships		Web Services	Additions		Exploitation for Client	Execution		Manipulation	
Calification Oce	Determine Physical Locations		Cloud Accounts	Phishing	•	Execution	Boot or Logon			
Information (244)	Identify Business Tempo	Compremise	Email Accounts	Replication		Inter-Process Communication	Initialization Scripts	•		
	Mantifu Bolas	(7/3)	Social Marija Accounts	Through		03291	Browser		Boot or	
	AND DRY CLARK		Social Addition Processing	Media		Native API	Extensions		Logon	
	spearphisning Acadhmane		BOUNE	Supply		Scheduled	Compromise		Execution	
Phishing for	Spearphishing Link		ENS Server	Chain Compromise		TaskUcb (0/9)	Host Software Binary		(0/54)	
information [14]	Spearphishing Service		Domains	008		Serverless		Claud Account	Boot or	
	Spearphishing Voice	Compromise	Network Devices	Trusted		Thursd	Cre		Initialization	
Search Closed	Purchase Technical Data	1580	Server	Reactorismp	-	Modules	Attack	er techniques docum	ented	
Sources (147)	Threat Intel Vendors	1000	Serverless		Cloud Accounts	Software	by the	MITDE ATTOCK from	owork	
Search Onen			Virtual Drivate Sequer	Vaid	Default Accounts	Deployment	cr by the	PHINE AFI&CK ITAIN	ework.	

Example Lapsus\$ Attack

Delivery	Execution	Action	Privilege Escalation	Post-Escalation	Lateral Movement	Lateral Action	
Spear phishing Attachment	User Execution	File and Directory Discovery	Exploitation for Privilege Escalation		Credentials from Web Browsers		Sharepoint
Trusted Relationship		Process Discovery		Password Managers	External Remote Services	Data from Information Repositories	
	Malicious File	Domain Groups		DCSync		Confluence	
		alicious File Domain Accounts		NTDS		Chat Messages	
Provid				Cloud Accounts		Email Forwarding Rule	
FIUXy				Create Cloud Instance		Account Access Removal Data Destruction	
				Delete Cloud Instance		Coming Chan	
				Additional Cloud Roles		Service Stop	

5. Legitimate Accuracy Rating

These ratings indicate how accurately the product classifies legitimate applications and URLs, while also taking into account the interactions that the product has with the user. Ideally a product will either not classify a legitimate object or will classify it as safe. In neither case should it bother the user.

We also take into account the prevalence (popularity) of the applications and websites used in this part of the test, applying stricter penalties for when products misclassify very popular software and sites.

Legitimate Accuracy Rating

Coro – EDR				556 100%
0	139	278	417	556

• Legitimate Accuracy Ratings can indicate how well a vendor has tuned its detection engine.

Enterprise Security Testing Services for CISOs

Elevate your cyber security strategy with SE Labs, the world's leading security testing organisation.

SE Labs works with large organisations to support CISOs and their security teams:

 Validate existing combination of security products and services.

• Provide expert partnership when choosing and deploying new security technologies.

SE Labs provides in-depth evaluations of the cyber security that you are considering, tailored to the exact, unique requirements of your business.

For an honest, objective and well-informed view of the cyber security industry contact us now at

selabs.uk/contact

6. Conclusion

This test exposed **Coro – EDR** to a diverse set of exploits, file-less attacks and malware attachments, comprising the widest range of threats in any currently available public test.

All of these attack types have been witnessed in real-world attacks over the previous few years. They are representative of a real and present threat to business networks the world over.

The threats used in this test are similar or identical to those used by the threat groups listed in **Attack Details** on page 8 and **4. Threat Intelligence** on pages 12 - 14. It was not tested against Linux-based rounds 7 and 13 because the product was not configured with a Linux sensor.

It is important to note that while the test enacted the same types of attacks, new files were used. This exercised the tested product's abilities to detect and protect against certain approaches to attacking systems rather than simply detecting malicious files that have become well-known over the previous few years. The results are an indicator of potential future performance rather than just a compliance check that the product can detect old attacks. **Coro** – **EDR** provided excellent protection against attacks that are not just different from those used in last year's test, but from attacks typically deployed by a completely different set of threat groups. Despite the novelty of the threat groups, the product upped its Protection Accuracy Rating by a couple of percentage points, from last year's 94% to 99% in this test.

As we've said in previous reports, "it's more ideal to stop a threat early, rather than watch as it wreaks havoc before stopping it and trying to clean up." **Coro – EDR** behaved this way, stopping the vast majority of the threats as soon as it detected the delivery of the initial element of each attack.

In 38 out of 42 cases, threats were unable to move beyond the earliest stage of the attack chain, meaning that, as soon as the target systems were exposed to the threats, the attacks were detected immediately and were stopped from running. This prevented them from causing any damage, including data theft.

Coro – **EDR** only incurred half a penalty point each for the remaining four cases when it caught and stopped the attacks during the execution rather

than the delivery stage. As can be seen from the row of 'zeros' thereafter in the **Response Details** on page 11, none of the attacks progressed after this point. So, the attacker/tester was unable to reconnoitre the target system nor gain remote control over it. Neither could they instigate an attack from the target system to other vulnerable systems in the network.

As in the previous **Coro – EDR** test, the product achieved a 100% Total Legitimacy Rating. Sometimes, in a bid to provide protection, products can be configured in such a way as to detect and block everything, including legitimate objects. **Coro – EDR** generated no sub-optimal errors and correctly handled all harmless, legitimate files.

Coro – EDR wins an AAA award for its near perfect performance.

Appendices

Appendix A: Terms Used

Compromised The attack succeeded, resulting in malware running unhindered on the target. In the case of a targeted attack, the attacker was able to take remote control of the system and carry out a variety of tasks without hindrance.

Blocked The attack was prevented from making any changes to the target.

False Positive When a security product misclassifies a legitimate application or website as being malicious, it generates a 'false positive'.

Neutralised The exploit or malware payload ran on the target but was subsequently removed.

Complete Remediation If a security product removes all significant traces of an attack, it has achieved complete remediation.

Target The test system that is protected by a security product.

Threat A program or sequence of interactions with the target that is designed to take some level of unauthorised control of that target.

Update Security vendors provide information to their products in an effort to keep abreast of the latest threats. These updates may be downloaded in bulk as one or more files or requested individually and live over the internet.

Appendix B: FAQs

Q What is a partner organisation? Can I become one to gain access to the threat data used in your tests?

A Partner organisations benefit from our consultancy services after a test has been run. Partners may gain access to low-level data that can be useful in product improvement initiatives and have permission to use award logos, where appropriate, for marketing purposes. We do not share data on one partner with other partners. We do not partner with organisations that do not engage in our testing. We are a customer considering buying or changing our endpoint protection and/ or endpoint detection and response (EDR) product. Can you help?

A Yes, we frequently run private testing for organisations that are considering changing their security products. Please contact us at **info@selabs.uk** for more information.

A full methodology for this test is available from our website.

- The test was conducted between 30th September and 14th October 2024.
- All products were configured according to each vendor's recommendations, when such recommendations were provided.
- Targeted attacks were selected and verified by SE Labs.
- Malicious emails, URLs, attachments and legitimate messages were independently located and verified by SE Labs.
- Malicious and legitimate data was provided to partner organisations once the test was complete.

Appendix C: Attack Details

Scattered Spider

Incident No.	Delivery	Execution	Action	Privilege Escalation	Post-Escalation	Lateral Movement	Lateral Action
		Malicious Link	System Information Discovery		Hide Artifacts		Clipboard Data
		Web Protocols	File and Directory Discovery		Disable or Modify System Firewall		Data from Local System
			Process Discovery		Scheduled Task/Job		Email Collection
	Exploit Public-Facing		Query Registry	Bypass User Account		SSH	
		Windows Command Shell	Remote System Discovery		LEASE Momony		Input Conturn
			Network Share Discovery		LORGO MEITIOLY		Tribur Cabrure
			Network Service Discovery				
		Malicious Link	System Information Discovery	Create Process with Token	Security Software Discovery		Email Collection
		Web Protocols	File and Directory Discovery		Dynamic-link Library Injection		Data from Local System
		Windows Command Shell	Process Discovery		Winlog Helper DLL		Account Access Removal
2	Spear phishing Link		System Network Configuration Discovery	Takan Impercention /Theft	Browser Extensions	Service Execution	Data Encrypted for Impact
~		External Proxy	System Network Connections Discovery	Token impersonation/ men	Hide Artifacts		
			Internet Connection Discovery				System Shutdown/Reboot
			Local Account				
	Spear phishing Attachment	Malicious File	System Information Discovery	_	Domain Accounts	SMB/Windows Admin Shares	Account Access Removal
		Web Protocols	File and Directory Discovery		Local Accounts		Data Encrypted for Impact
		Windows Command Shell	Process Discovery		Kernel Modules and Extensions		System Shutdown/Reboot
2		External Proxy	Local Account	Bypass User Account	BITS Jobs		Safe Mode Boot
J		Non-Standard Port	Domain Groups	Control	DCSync		Automatic Collection
			Domain Trust Discovery		Impair Command History Logging		
		Indicator Removal From Tools Remote Sy	Remote System Discovery		LSA Secrets	Da	Data from Local System
			Group Policy Discovery				
		Malicious Link	System Information Discovery		NTDS		Input Capture
		Web Protocols	File and Directory Discovery		Registry Run Keys / Startup Folder	SMB/Windows Admin Shares	Clipboard Data
Л	Exploit Public-Facing	Windows Command Shell	Process Discovery	Exploitation for Privilege Escalation	Match Legitimate Name or Location		Data from Local System
4	Application	External Proxy	Remote System Discovery		Rename System Utilities		
		Non-Standard Port	Network Service Discovery				Automatic Collection
		Compromise Software Supply Chain	Query Registry		Modify Authentication Process		

SE LABS

Incident No.	Delivery	Execution	Action	Privilege Escalation	Post-Escalation	Lateral Movement	Lateral Action
		Windows Command Shell	File and Directory Discovery		Portable Executable Injection	Windows Remote Management	Windows Remote Management
		External Proxy	System Information Discovery		Rootkit		Account Access Removal
		Non-Standard Port	System Owner/User Discovery		Web Session Cookie	-	Data Encrypted for Impact
	Snear phishing	Indicator Removal From Tools	Network Share Discovery	Access Token	Credentials In Files		Input Capture
5	Attachment	Trusted Relationship	Process Discovery	Manipulation		Initial Eilo Transfor	Automatic Collection
			Query Registry			Initial File Hanslei	System Shutdown/Reboot
		Compromise Software Supply	Domain Account		External Remote Services		Clipboard Data
		Chain	Internet Connection Discovery				Email Collection
			Domain Groups	-			Data from Local System
	Exploit Public-Facing Application	Malicious File	File and Directory Discovery	Bypass User Account Control	Native API	Remote Access Software Protocol Tunneling	Input Capture
		Web Protocols	System Information Discovery		Credentials from Password Stores		Clipboard Data
		Windows Command Shell	System Owner/User Discovery		Modify Authentication Process		Automatic Collection
		External Proxy	Domain Account		Default Accounts		Account Access Removal
6		Non-Standard Port	Internet Connection Discovery		Windows Management Instrumentation Event Subscription		Data Encrypted for Impact
			Domain Groups		Disable or Modify Tools		System Shutdown/Reboot
		Indicator Removal From Tools Query Registry Permission Gr	Process Discovery		Registry Run Keys / Startup Folder		
			Query Registry]			Safe Mode Boot
			Permission Groups Discovery				
		Malicious Link	File and Directory Discovery		Binary Padding		Input Capture
_		Web Protocols	System Information Discovery		File Deletion		Clipboard Data
'/	Spear phishing Link	bear phishing Link Non-Standard Port System Owner/User Internet Connection	System Owner/User Discovery		Match Legitimate name or Location	External Remote Services	Email Collection
/			Internet Connection Discourse			7.5511	Data from Local System
			Internet Connection Discovery	У			Automatic Collection

• Incident number 7 is a Linux technique.

APT29

Incident No.	Delivery	Execution	Action	Privilege Escalation	Post-Escalation	Lateral Movement	Lateral Action
	Exploit Public-Facing Application	Web Protocols	Domain Account		Pass the Ticket		Exfiltration Over Asymmetric Encrypted Non-C2 Protocol
		Steganography	Domain Groups		Web Session Cookie		Archive via Utility
l Q		Malicious File	Internet Connection Discovery	Bypass User Account Control	Local Accounts	Remote Desktop	Remote Data Staging
0	External Remote	Internal Proxy	File and Directory Discovery			PIOLOCOL	
	00111000	Mark-of-the-Web Bypass	Domain Trust Dissource		Domain Accounts		Remote Email Collection
		Multi-hop Proxy	Domain must Discovery				
	Trusted Relationship	Bidirectional Communication	File and Directory Discovery		Disable or Modify System Firewall		Deobfuscate/Decode Files or Information
		Dynamic Resolution	Process Discovery		Disable or Modify Tools		Archive via Utility
\cap		Mshta	Remote System Discovery		Disable Windows Event Logging	SMB/Windows Admin	Remote Data Staging
9	Spear phishing	Software Packing	System Information Discovery	Bypass User Account Control	Accessibility Features	Shares	Remote Email Collection
	Attachment	Code Signing	Domain Trust Discovery				Data from Local System
		Windows Command Shell	Internet Connection Discovery		Clear Mailbox Data		
		Malicious File	Themet connection Discovery				
	Spear phishing Attachment	Encrypted Channel	File and Directory Discovery	Ingress Tool Transfer	File Deletion		Archive via Utility
		Rundll32	Remote System Discovery		Timestomp	Windows Remote Management	Remote Data Staging
10		HTML Smuggling	System Information Discovery	Exploitation for Privilege Escalation	Masquerade Task or Service		Remote Email Collection
L TO		Visual Basic	Domain Trust Discovery		Match Legitimate Name or Location		Exfiltration Over Asymmetric Encrypted Non-C2 Protocol
		Malicious File	Domain Groups		Windows Management Instrumentation Event Subscription		
	Spear phishing via Service	Malicious File	File and Directory Discovery		Registry Run Keys / Startup Folder		Deobfuscate/Decode Files or Information
		Domain Fronting	Process Discovery		Disable or Modify System Firewall		Archive via Utility
11	Compromise Software Supply Chain	Python	Remote System Discovery	Bypass User Account Control	Scheduled Task	Remote Desktop	
		Exploitation for Client Execution	System Information Discovery		External Remote Services		Data from Local System
		Windows Management Instrumentation	Domain Account		Timestomp		Bala nom Eocal System
	Spear phishing	Powershell	Domain Account	_	Pass the Ticket	SMB/Windows Admin	Exfiltration Over Asymmetric Encrypted Non-C2 Protocol
10		Malicious File	Domain Groups		Local Accounts		Archive via Utility
		Internal Proxy	File and Directory Discovery	Bypass User Account Control	Disable Windows Event Logging		Remote Data Staging
	Attacriment	Bidirectional Communication			Disable or Modify Tools	Sildles	Remote Email Collection
		Epopurited Chappel	Domain Trust Discovery		DCSync	-	Deobfuscate/Decode Files or
					File Deletion		Information

Incident No.	Delivery	Execution	Action	Privilege Escalation	Post-Escalation	Lateral Movement	Lateral Action
13	Spear phishing Link	Web Protocols	Internet Connection Discovery	Ingress Tool Transfer	Binary Padding	Remote Desktop Protocol	Archive via Utility
		Domain Fronting	File and Directory Discovery		RC Scripts		Data from Local System
		Internal Proxy	Process Discovery				
		Software Packing	Custom Information Discourses				
		Malicious Link	System Information Discovery				

• Incident number 13 is a Linux technique.

Lapsus\$

Incident No.	Delivery	Execution	Action	Privilege Escalation	Post-Escalation	Lateral Movement	Lateral Action
		User Execution	File and Directory Discovery	Exploitation for Privilege Escalation	Credentials from Web Browsers	External Remote Services	Sharepoint
		Malicious File	Process Discovery		Password Managers		Data from Information Repositories
		Trusted Relationship	Domain Groups		DCSync		Confluence
1 /	Spear phishing		Domain Accounts		NTDS		Chat Messages
14	Attachment				Cloud Accounts		Email Forwarding Rule
		Proxy Domain Accounts			Create Cloud Instance		Account Access Removal Data Destruction
					Delete Cloud Instance		Service Stop
					Additional Cloud Roles		
	Spear phishing Link	User Execution	File and Directory Discovery		Credentials from Web Browsers	External Remote Services	Sharepoint
		Malicious File	Process Discovery		Password Managers		Data from Information Repositories
		Trusted Relationship	Domain Groups		DCSync		Confluence
15					NTDS		Chat Messages
CT		Proxy Domain Accour		Exploitation for Privilege Escalation	Cloud Accounts		Email Forwarding Rule
			Domain Accounts		Create Cloud Instance		Account Access Removal Data Destruction
					Delete Cloud Instance		
				Additional Cloud Roles		Service Stop	

Appendix D: Product Version

The table below shows the service's name as it was being marketed at the time of the test.

Vendor	Product	Build Version (start)	Build Version (end)
Coro	EDR	DC: 2.5.65.1 (3.2) PCs: 2.5.65.1 (3.2)	DC: 2.5.65.1 (3.2) PCs: 2.5.65.1 (3.2)

□ SE LABS

SE Labs Report Disclaimer

- 1. The information contained in this report is subject to change and revision by SE Labs without notice.
- 2. SE Labs is under no obligation to update this report at any time.
- 3. SE Labs believes that the information contained within this report is accurate and reliable at the time of its publication, which can be found at the bottom of the contents page, but SE Labs does not guarantee this in any way.
- 4. All use of and any reliance on this report, or any information contained within this report, is solely at your own risk. SE Labs shall not be liable or responsible for any loss of profit (whether incurred directly or indirectly), any loss of goodwill or business reputation, any loss of data suffered, pure economic loss, cost of procurement of substitute goods or services, or other intangible loss, or any indirect, incidental, special or consequential loss, costs, damages, charges or expenses or exemplary damages arising his report in any way whatsoever.
- The contents of this report does not constitute a recommendation, guarantee, endorsement or otherwise of any of the products listed, mentioned or tested.
- 6. The testing and subsequent results do not guarantee that there are no errors in the products, or that you will achieve the same or similar results. SE Labs does not guarantee in any way that the products will meet your expectations, requirements, specifications or needs.
- Any trade marks, trade names, logos or images used in this report are the trade marks, trade names, logos or images of their respective owners.
- The contents of this report are provided on an "AS IS" basis and accordingly SE Labs does not make any express or implied warranty or representation concerning its accuracy or completeness.