EC Wise
SMART SECURE SYSTEMS

www.ecwise.com

The Darktrace Enterprise Immune System

EC Wise clients use the Darktrace product suite to identify and block zero day and insider attacks and other malicious activity on their networks. The core of Darktrace's offering is the Enterprise Immune System (EIS). Darktrace delivers EIS as appliances with complementary endpoint software, and uses advanced mathematical models that consider hundreds of measurements of user, device and network activity to detect attacks.

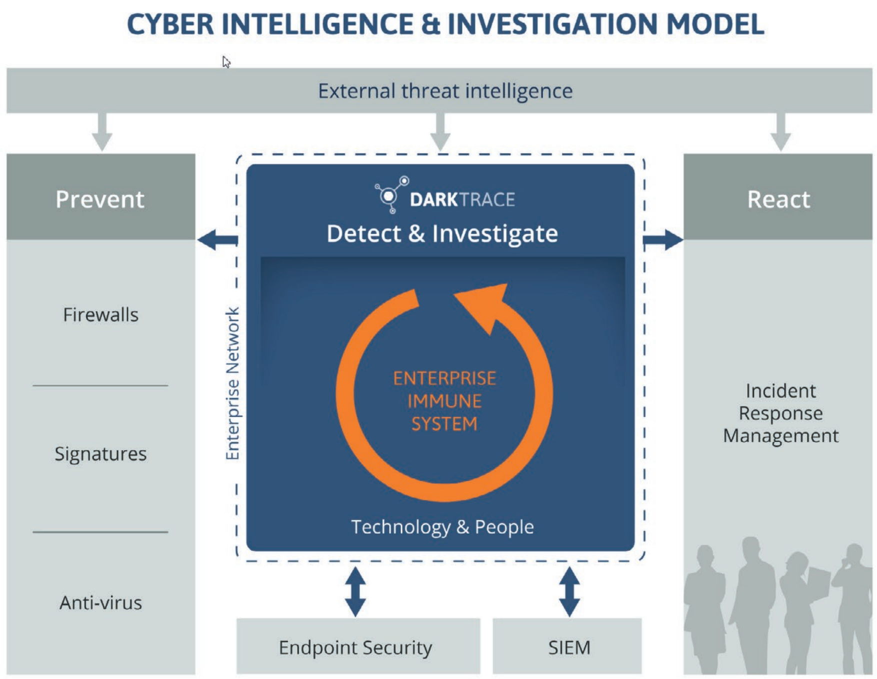
DARKTRACE

When we install a Darktrace appliance on a client's network, the EIS algorithms immediately start creating a kind of a map of common behavior for every network, device and individual user that it sees, using a mathematical technique known as Recursive Bayesian Estimation (RBE). When it observes behavior that does not conform to its map of common behavior, EIS analyzes the new behavior to determine whether it constitutes a threat. If it does, it reports the threat, enabling our clients to remediate emerging suspicious activity before it can do major damage.

EIS presents alerts via its Threat Visualizer interface, a 3D graphical overview of the client network, which allows users to visualize emerging threats in real time and look back in time to see, first-hand, how the abnormal behavior, such as unusual file movement or suspicious insider activity, unfolded. It also produces "Threat Intelligence Reports" (TIRs) showing questionable activity during each period; our security team reviews these TIRs with our clients and assists them in taking mitigating actions to block breaches.

For an elevated level of security, we also support Darktrace Antigena–the "digital antibody" solution from Darktrace that utilizes machine learning to automatically respond to threats identified by EIS. Darktrace Antigena is fully configurable, allowing for varying degrees of automation according to your organization's needs.

EC Wise can provide key support, if needed, in planning and implementation around mitigation of any issues that Darktrace might uncover. Although Darktrace is easy to understand and use, as the delivery partner, EC Wise will make cyber analysts and other resources available to assist in interpreting the Threat Intelligence Reports for the first three months after deployment, and will be your initial point of contact in the unlikely event issues come up during your subscription period. Both EC Wise and Darktrace are dedicated to delivering a comprehensive solution that addresses client objectives for success.



Some of Our Partners:

FICO
iboss CYBERSECURITY
PROMIA
DARKTRACE
CONTRAST SECURITY
CloudPassage
eset
ALERT LOGIC
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SONICWALL
SOPHOS

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We Go Deep and Wide In Cyber Security

2016 saw a massive growth in reported state-sponsored and commercial cyber-attacks: cyber-espionage, outright theft of information, denial of service attacks and ransomware were widespread. Industry insiders know that 80% of these attacks go completely undetected, so the situation is far worse than the media reports.

Defending against all such threats requires layers of defense, constantly monitored and capable of responding automatically. Clients adopting the Darktrace solution find that it plays an essential role in monitoring network activity and proactively responding to emerging threats.

Our approach to improving our clients' cyber-security posture is to collaborate with them to implement right-sized solutions that are distributed, scale and take into account their infrastructure, services, user characteristics and threat landscape. The Darktrace deployment model supports this approach perfectly, with a range of appliance options that scale to handle a wide range of bandwidth and device options, offered at price points that make them accessible to a broad range of client organizations.

EC Wise is ideally positioned to serve as a trusted partner to your security team. For the last 18 years, we have exhaustively evaluated and used best of breed products and services to help our clients build secure, resilient services and implement key strategies like these:

- Protect endpoints using virtualization
- Identify and block malware execution including phishing and ransomware attacks
- Protect networks with military hardened IPS/IDS devices for industrial control, IoT, critical infrastructure and public safety systems
- Implement business continuity strategies to maintain uptime in the face of DDoS or ransomware attacks
- Always-on monitoring of network, device, and user behavior to identify potential zero-day and insider threats
- Network detection devices that incorporate deep packet inspection and rules based blocking to enforce policy and procedure
- Hardening your databases with encryption, SQL Injection protection, fine grained control over privileged operations and audit capabilities capable of meeting your compliance requirements.

Regardless of the defenses, we assume attackers will bypass our clients' endpoints. By integrating security into application and database platforms and implementing ongoing packet inspection, we can enhance the security of your network and your information assets even when attacks compromise endpoints or originate internally on your network. The DarkTrace EIS never sleeps; it provides continuous real time analysis of activity taking place in your environment. It can serve as a key component of a comprehensive strategy, making your enterprise more secure, better prepared and most importantly, more resilient.

For more information:

EC Wise Security Practice:
https://www.ecwise.com/secure-platforms-network-security.html
Call 415-526-5199 to schedule a demo or discuss a low cost or free proof of value.

Contact us to learn more about how we do it, and what we can do for you.

Customer Quotes

"EC Wise is a great solutions provider. They built our data warehouse and introduced us to market leading security tools and practices which we use today to address new emergent threats."

John Enriquez, Vice President of IT for
PCI Gaming, Inc.

"Regulus partnered with EC Wise to create a hosted system for finance, healthcare, insurance, telecom and utility industries..., The best endorsement for EC Wise's services is that Regulus customers find enough value in the system to expand their use of it."

Joan Egloff-Olson Director, Application Development,
Regulus

"EC Wise's experienced industry veterans, deep knowledge of data, analytics and security and the ability to deliver made them the natural choice as partners. I've worked with them for years across multiple companies –they always come thru!"

John Toman, Chief Product Officer,
Pivot Payables

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