SIE Europe

A Breakthrough European Data-Sharing Community for Internet Defenders

A single data breach can cause millions of dollars in damage to an organisation as well as do significant harm to the Internet community.

The recent rollout of GDPR and other European data privacy laws requires security tools that can protect against phishing, e-crime and other malicious attacks, while, at the same time, protect sensitive user information.

Enter SIE Europe UG. Founded and based in Europe for European organisations, SIE Europe UG is a new, community-based initiative that enables European Internet defenders to contribute and share real-time passive DNS data to accurately identify, map and mitigate cybercrime activity. Deutsche Telekom AG, one of the world's leading integrated telecommunications companies, and DCSO Deutsche Cyber-Sicherheitsorganisation GmbH, a leading competence center and managed security service provider for the German economy, are among the participants in the data-sharing program.

The Need for a European DNS Data-Sharing Community

European data privacy laws restrict the ability to share critical threat information beyond the European borders. Yet cybercrime continues to rise – using domain names, IP addresses and other key DNS assets. Passive DNS, a proven technology used by thousands of security professionals around the world, provides real-time visibility about the DNS assets used in a cyberattack, enriches existing third-party threat indicators and enables users to measurably advance an investigation. Since the Passive DNS data contributions are derived from cache miss traffic above the recursive DNS, the data does not include personally identifiable information. In addition, the SIE Europe data is contributed and shared only by European-based organizations to ensure GDPR and other European-based privacy laws are met. There is no cost to participate in the SIE Europe UG program.

See What's Happening in the DNS Right Now - How SIE Europe Works

SIE Europe UG provides a proven, easy-to-use, data sharing infrastructure that has a relay-and-sensor support system, with a front-end network for data ingestion, filtering, de-duplication and distribution of data channel feeds to data participants. Data participants quickly and easily can be setup to participate in the program. The data-sharing lifecycle starts with:

• Data sharing participants host instances of the SIE Europe sensor.

• The sharing hub accepts real-time passive DNS data from the sensors.

• Data is ingested, filtered, deduplicated and distributed to the community participants in near real-time.

• Each participant receives the aggregated real-time channel feed including data they and others contribute ("give a little, get a lot").

Why Participate?

• Contribute data to help the community fight cyber-crime.

• Identify and map criminal infrastructures and take preventive measures to protect your network, systems and digital assets from cybercrime.

• Gain immediate access to real-time data, without the need to deploy your own sensors/data collection infrastructure.

• There is no cost to participate in the program.

How to Join the SIE Europe UG Data-Sharing Community

Participation in the SIE Europe UG data-sharing initiative is open free-of-charge to all European-based organisations, including commercial, government, law enforcement and universities. For more information on becoming a contributor, please visit https://sie-europe.net or contact info@sie-europe.net

Privacy by Design - GDPR Compliance

SIE Europe UG activities are conducted in strict compliance with the privacy laws and regulations of Germany and the European Union, including the General Data Protection Regulation ("GDPR"). Since data contributions are derived from cache miss traffic above the recursive DNS, the data does not include personally identifiable information.

About SIE Europe UG

Headquartered in Karlsruhe, Germany, SIE Europe UG enables European-based organisations to contribute and share DNS data to advance cyber-investigations and significantly reduce risk from phishing, malware and ransomware to e-crime and nation-state attacks. SIE Europe was founded by three Internet technology leaders: Dr. Paul Vixie, Chairman, Cofounder and CEO of Farsight Security, Inc., Christoph Fischer, Founder and CEO of BFK edv-consulting GmbH, Peter Kruse, Cofounder of CSIS Security Group A/S.

For more information, please visit https://sie-europe.net or contact info@sie-europe.net