Credentials

A Breakdown from Eclypses CIO, Jefferson Dance

What are Credentials?

Credentials, akin to the keys of our online presence, unlock access to sensitive systems. However, when these keys fall into the wrong hands, cyber attackers gain effortless entry, often exploiting lateral pathways to reach valuable assets. In the cyber world, "access equals opportunity" when it comes to your organization's data.

> **Problem:** Recent statistics, as of March 2024, indicate that a staggering 86% of breaches involve compromised credentials.

The three largest hacks or exploits in recent memory:

AT&T   **MGM**   **United HealthCare**

What do these three have in common? All were successfully exploited by gaining access to the network (breaking TLS/SSL) and obtaining credentials to access systems with sensitive and confidential data.

Using Eclypses MTE® to protect Credentials

Eclypses MTE is a data protection solution that prevents a malicious actor from being able to see credentials, whether they are internal or external to your organization's data assets.

Eclypses MTE encrypts and secures all application credentials, Application Programming Interface (API) keys, tokens, secrets, and other access data by replacing the data with uniquely keyed and encrypted packets that, even if hacked, cannot be decoded. This enables your organization to reduce your operational risk and eliminate an over-exploited and frequently successful attack vector. By encrypting and protecting the credentials, there is no avenue for a malicious user to successfully execute ransomware and hold an organizations data hostage for ransom. The credentials and access are completely mitigated from risk and the ability to execute any kind of ransomware.

Eclypses MTE can be implemented in Web, Mobile, and API applications to secure the acquisition of data as well as the sharing of data within your organization and with third parties.

By eliminating the ability to gain access to credentials, applications, and data, or remove data from your organization, you can proactively prevent incidents from becoming breaches. Eclypses MTE safeguards your most valuable asset: data.