AT&T Business

Manage your keys and help protect your data and the enterprise

Keeping information highly secure while at rest or in transit is imperative. Protect your data with AT&T Encryption Services.

Today, enterprises are streamlining their datacenter operations by moving critical data to the cloud. Having storage flexibility that includes local, mobile devices, and the cloud is a compelling business solution, which also happens to come with extreme security, compliance, and policy management risks.

Cloud storage is just one facet of an enterprise's vulnerability. Advancements such as AI and quantum computing are utilizing data in cloud-centric functions that are tied to IoT, transportation, industrial networks, operational technology, and many other

applications. Enabling data usage across these systems opens enterprises to damaging events. These can include the exposure of trade secrets and IP or the legal and social ramifications of exposing sensitive client data such as medical records, HR files, account numbers, and payment information. While the risks of moving data are great, the movement of sensitive data is required in the modern business world. Thus, better protecting, managing, and automating this data while at rest and in motion goes to the deepest core of enterprise security team initiatives. Enter AT&T Encryption Services (AES).

Empower business with AES

- Achieve near real-time encryption control for compliance
- Improve operational technology protection
- Lower costs by removing layered security solutions
- Protect brand disruption from cyber breaches

Advantages of a hardware approach

- A dedicated processor uses true random number generation to create encryption keys that only a user's password unlocks
- Encryption is offloaded to the hardware to improve system performance, driver or software installation on the host
- Always-on encryption is transportable to the cloud and helps protect against cold boot attacks, malicious code, and brute force attacks
- Significant security advantages over software-based solutions, which have multiple handoff points and thus multiple hacker vulnerabilities

Increased data security and management posture

AES allows enterprises to capitalize on the benefits of cloud-centric computing while helping to shield their data and their businesses from unauthorized access and attack. While other encryption products are available, many do not safeguard every data file with the assurance and unified encryption control that AES can bring.

AES is a fully integrated solution that utilizes hardware-based encryption technology to provide one of the most robust data protection and key management solutions available – allowing enterprises to better protect data across most operating systems and endpoints.

Encryption end-to-end, through and through

The AES approach, always, is to encrypt everything to prevent unwanted exposure to the outside world. Using patent-pending technology, every file is tied to its own encryption key – a one-to-one relationship that offers a highly rigorous security discipline. This advanced approach, combined with the most comprehensive control layers and complete flexibility to integrate with current customer systems, make AES the best choice for enterprises to help defend their data from outside threats, help achieve compliance, and provide for business continuity and the health of the enterprise.

Security embedded within the network path

AT&T Encryption Services is embedded within the network path, so there is no interruption to the user's workflow and no impact to overall business flow, even in complex, diverse computing environments. Embedding also means that if an unauthorized party somehow manages to obtain sensitive files from outside, those files will travel with the encryption in place, rendering the breach unusable and ineffective.

Single-pane-of-glass control

The patent-pending technology gives every file its own encryption key. Plus, through key management that comes standard with several AES packages, all encryption management is provided via single-pane-of-glass control. In short, AES delivers industry-leading layers of management control to unify data protection. Thus, companies can help limit their exposure – even exposure they may not know about.

Execution flexibility

AT&T Encryption Services can be deployed virtually, with either public or private hosting. Or, customers can opt up for AES On-Premise, with a dedicated appliance at our site and still save the costs of maintaining their own datacenter. And still yet, there are those enterprises with the strictest data security protocols that want the appliance within their walls. AES can easily accommodate these cases.

System interoperability

AES integrates with most systems, platforms and tools, while still maintaining a single, easy-to-use portal that allows managers to see and control all entities, including physical and virtual machines, laptops, tablets, SSH, and IoT. Furthermore, AT&T Encryption Services offer interoperability across prominent cloud applications, including Box.com, Amazon AWS, EMC CloudArray, and more. Instead of requiring a complicated and expensive upgrade, our solution enhances the enterprise's current investment.

The strength and highly reliable security of AT&T

Companies can't afford to gamble with the security of cloud data. AT&T helps you achieve higher levels of encryption management and protection. Our hardware-based approach helps keep your critical enterprise data and encryption keys safe from both inadvertent leaks and overt attacks. With AT&T, enterprises can move beyond data security concerns and focus on pursuing goals, serving customers, and growing your business.

For more information, contact your sales representative or visit us at www.att.com/security.