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Centrally managed drive encryption services for System x

Install IBM Security Key Lifecycle Manager for self-encrypting drive management

Highlights

The centrally managed drive encryption for System x® service entails a 3-day onsite engagement with System x technical consultants who perform the following tasks:

- Install up to two instances (one primary and one backup) of IBM Security Key Lifecycle Manager (SKLM) Basic Edition software
- Enable encryption on self-encrypting drives (SEDs) in up to five System x servers
- Register those servers with an SKLM instance for external encryption key management
- Demonstrate and validate the solution, and provide skills training on the use and management of the solution

The challenges

Securing sensitive client and company data is becoming an IT task of paramount importance. Many companies have invested in software based encryption to secure their data, but that offers limited protection—often at a great cost to performance. Encryption at the physical level adds value, but can become difficult to manage. Proper disk drive disposal can be a time-consuming and costly procedure, and physically destroying or demagnetizing the drive may not be an approved way to remove sensitive information.

Our service

The centrally managed drive encryption for System x® service is a rapid engagement to implement a fully functional IBM SKLM environment for System x servers with self-encrypting drives (SEDs). Engaging with System x Enterprise Solution Services consultants requires little to no preparation work and has minimal impact on your IT staff work schedule. This service provides your IT staff with a validated environment, in addition to a transfer of skills to help them understand and maintain the environment based on recommended practices.

IBM SKLM Basic Edition is a separate server configured to generate, manage and authenticate the security keys for many different types of endpoint devices. System x servers now offer an upgrade option, which enables SKLM to manage the key required to gain access to SEDs. SEDs provide security for data-at-rest and can reduce the cost to retire hard drives. Deploying IBM SKLM coupled with System x servers using SEDs offers:

- A low-touch, centralized way to manage the authentication and access control of SEDs.
- In-line hardware encryption to help ensure no performance degradation or risk of software corruption.
- Instant secure erasure so data can be wiped instantly using encryption keys.

- Federally backed (FIPS: 140-2) data encryption standard so you can trust that erased, disposed of or stolen drives cannot result in exposure of data.
- Theft protection with SKLM integration so no SED in the environment can be compromised, even if an entire server is stolen.
- Safe and easy disk drive retirement and disposal.
- SKLM support for multiple storage platforms, including NAS, SAN and tape storage; it is not limited to System x servers with SEDs, as is provided with this particular engagement.

The engagement yields a fully functional, low-maintenance environment in which SEDs installed in System x servers are configured to encrypt data and are centrally controlled and secured by redundant IBM SKLM instances. This can protect you against costly exposure of proprietary data resulting from theft, misplacement, retirement or redeployment, and simplify audit processes.

Why System x

System x is the leading provider of x86 systems for the data center. The portfolio includes rack, tower, blade, dense and converged systems, and supports enterprise class performance, reliability and security. System x also offers a full range of networking, storage, software and solutions, and comprehensive services supporting business needs throughout the IT lifecycle.

For more information

To learn more about System x Enterprise Solution Services, please contact x86svcs@lenovo.com for the Americas, x86svcAP@lenovo.com for the Asia Pacific region, x86svcLA@lenovo.com for Latin America, or x86svcEP@lenovo.com for Europe, Middle East and Africa. We also invite you to join the System x Enterprise Solution Services LinkedIn Group at http://lnkd.in/esmzzb7

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