

Enterprise-grade Performance and Resilience that Scales

Edge Encryption supports standard network load balancers with multiple proxies configured for a single instance to deliver reliable performance that can scale and grow over time.

Integrated Management with ServiceNow Administration Tools

These tools use ServiceNow Edge Encryption application plugin to configure which fields and attachments should be encrypted, manage encryption rules, and schedule mass encryption jobs right from your ServiceNow administration console.

On-premises Encryption Proxy

Edge Encryption can be deployed as a virtual or physical proxy server on Linux or Windows Server 2012. The Encryption Proxy uses customer-defined encryption rules applied to HTTPS sessions, REST API, and ODBC-based requests in order to determine what needs to be encrypted/decrypted as data travels

to and from the ServiceNow instance.

Customer Retained Encryption Key Administration

Encryption key generation, key management, key rotations, and policies are owned and centrally managed by the customer to meet stringent compliance requirements and ensure that your data is secure and cannot be accessed by ServiceNow or any unauthorized third party.

Encryption of Stored Data

Provides encryption of ServiceNow instance data at rest for greater protection.

Multiple Encryption Level Options

Various encryption levels are available to accommodate security and end-user operation requirements.

Tokenization

Pattern-specific protection is convenient for securing structured data such as credit card or social security numbers. Tokenization masks

only specific data patterns within a field while leaving any other data in that field unaffected. No key or algorithm is required as it is a completely random process.

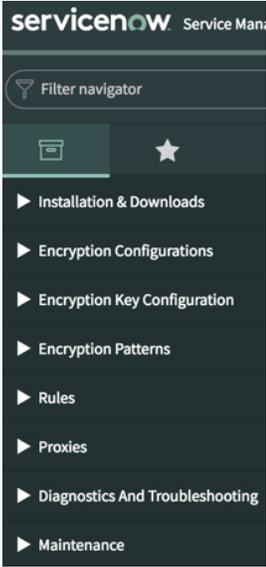
Mass Key Rotation

Edge Encryption provides mass rotation option for automatically finding data encryption with old keys and encrypting that data using new default encryption keys to ensure past historical records have the same protection as any newly created record.

Monitoring Tools

Administrators can see which proxies are connected to an instance, how long they have been active, and use instance logs to troubleshoot and diagnose activity on the proxy server.

Encryption type (AES 256 or 128)	Description
Standard (Highest level of security)	Fields cannot be filtered, sorted, or compared.
Equality preserving	Fields can be filtered using equality comparisons.
Order preserving	Fields can be sorted and equality comparison filtering used. Requires the use of a MySQL database in the customer's network.



Edge Encryption integrated as a plugin application

