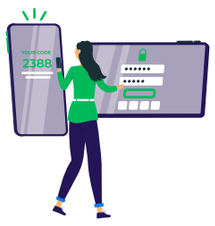
Distributed Engine (DE) in Secret Server:

Here is a quick and easy description of each function performed by the "Magical Genie" Distributed Engine (DE) in Secret Server:

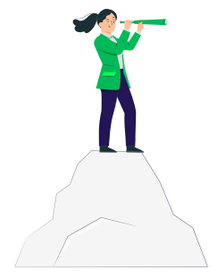


Password Changing:

The DE can automatically change passwords on managed accounts across the network. This process ensures that passwords are updated regularly to maintain security and compliance with organizational policies.

Heartbeat Checks:

Heartbeat checks are periodic verifications to ensure that the stored password for an account is still valid. This helps in detecting any unauthorized changes to passwords and maintaining the integrity of credential management.



Discovery:

The DE performs network discovery to identify and manage credentials. It scans the network to find accounts and devices, ensuring that all credentials are accounted for and managed within Secret Server.

Active Directory Synchronization and Authentication:

DEs can synchronize and authenticate Active Directory (AD) users. This is particularly useful when the web server cannot directly connect to the domain, such as in cloud environments. The DE routes domain calls through an on-premises engine, eliminating the need for persistent VPNs.

Message Processing:

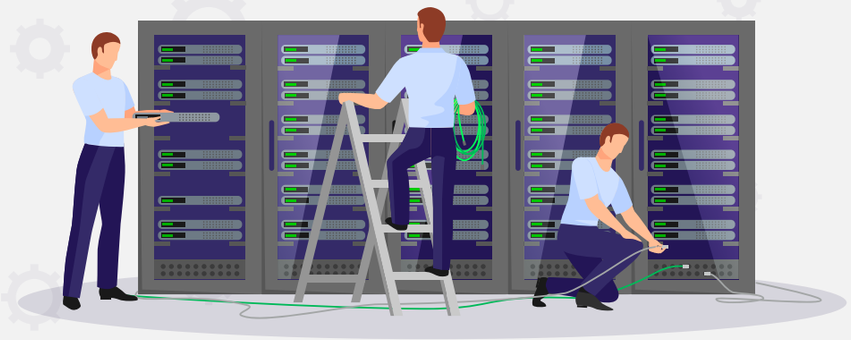
The DE consumes and processes messages from a queue. It handles tasks like directory services authentication, which have higher priority. This message-based system allows for efficient task management and processing.

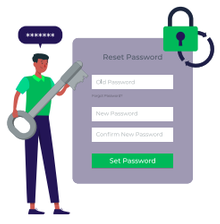
For more content like and follow me:

@bertblevins

Delinea

Distributed Engine (DE) in Secret Server:





Remote Password Changing (RPC):

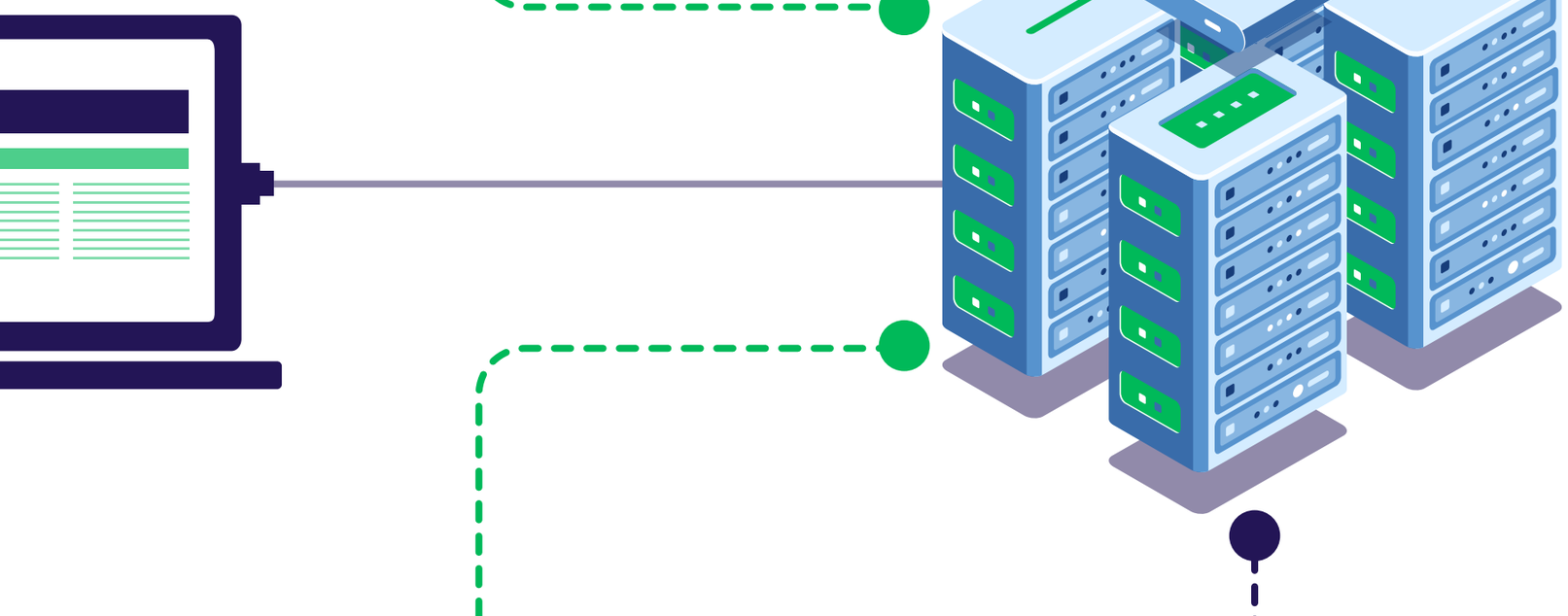
The DE changes passwords on remote systems, ensuring that credentials are updated across all managed devices and applications, even those located in different network segments.

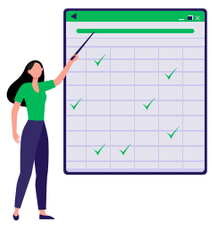
Site Management:

DEs manage work items for specific network areas through sites and site connectors. Each site can have multiple engines to increase throughput, and site connectors hold work items for several sites.

Scalability and Load Distribution:

The DE increases throughput by distributing tasks across multiple engines and sites. This scalability allows Secret Server to handle large volumes of tasks efficiently, making it suitable for enterprise environments.





Task Prioritization:

The DE processes tasks based on internal priorities. For example, directory services authentication tasks are given higher priority over other tasks like heartbeat checks. This prioritization ensures that critical tasks are handled promptly.

Configuration Management:

The DE retrieves and applies configuration settings from Secret Server. This includes settings for site connectors, sites, and engines, ensuring that all components are configured correctly for optimal performance.

Secure Communication:

The DE uses encrypted communication for secure data transfer between DEs and Secret Server.
This includes SSL and TLS support, as well as public-private key exchanges for direct communication.

For more content like and follow me:  **@bertblevins**

Delinea