



SECRETS MANAGER

(Agentless Central Credential Provider CCP)

SECRETS MANAGER INTEGRATION - TECHNICAL DOCUMENTATION TEMPLATE

Name of Company: Precisely

Website: <https://www.precisely.com/>

Name of Product: Connect ETL

Version: 9.13.8

Date: 3/20/2023

PARTNER SOLUTION OVERVIEW

Take a one solution approach to integrate, prepare, load, cleanse, transform and stream data across clustered or cloud frameworks.

Version: Connect 9.13.10

Platform components:

- Connect Task Editor
- Connect Job Editor
- Connect Server

KEY BENEFITS

Connect helps you gain strategic value from all your enterprise data by delivering information when, where and how it's needed. Build a data pipeline with maximum flexibility to meet the needs of your business.

- Deploy on-premises, on a private or public cloud, or in a hybrid environment.
- Execute on a single server or a distributed processing framework like Spark for maximum performance at scale.
- Leverage the leading streaming platforms to build real-time data pipelines.
- Integrate data from all your enterprise sources in a single workflow – including mainframes, data warehouses, and cloud, batch, and streaming.
- Design your data integration jobs once using with an easy-to-use graphical interface, and deploy them anywhere, knowing they are automatically optimized for the best performance and resource utilization, without coding or tuning.

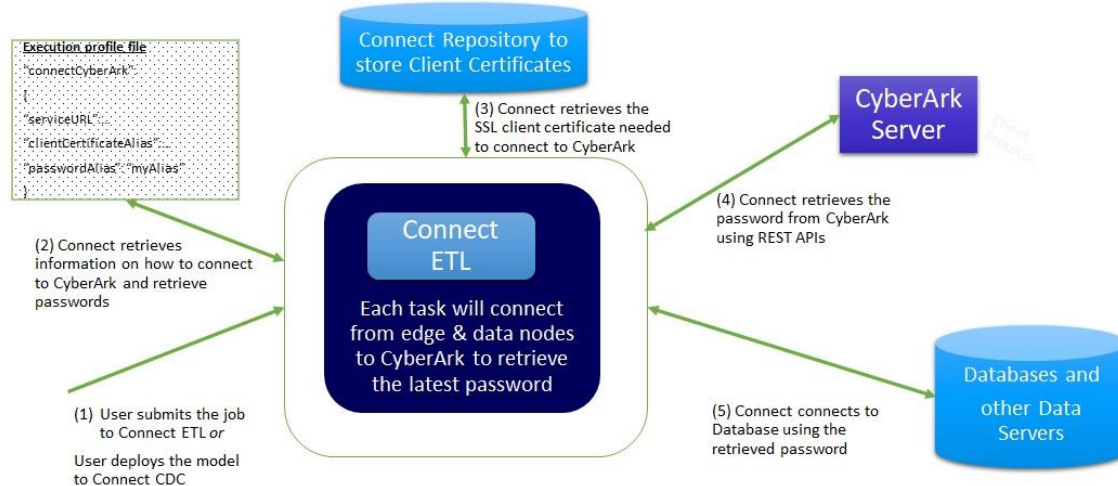
Connect enables you to get greater insights with the reliability, scalability, and security required from even the most demanding of enterprise environments.

Benefits of integrating Connect ETL with CyberArk SECRETS MANAGER:

- Automatic password retrieval

PRODUCT DIAGRAM & DESCRIPTION OF PRODUCT INTEGRATION

Use CyberArk's REST API to pull passwords when Connect ETL needs to connect to an external server like Oracle database. Communication between Connect and CyberArk is secured by using SSL Certificates.



SECRETS MANAGER INTEGRATION

Describe Partner Product and depict where SECRETS MANAGER integration lies. Description might include:

- Where SECRETS MANAGER is integrated in Partner Product

Connect-ETL only reads the passwords from the vault. It does not write or modify the passwords. As such, when Connect-ETL needs to read a password to make a connection to a 3rd party system it reads from CyberArk Vault. The reading is done by making a REST API call from the core engine of Connect-ETL.

- Location of integration: End Point or Mid-Tier or Central Server

Integration is done by making a REST API call to an End point in CyberArk

- Number of mid-tier servers and number of endpoints in a typical installation

One end point needs to be provided to Connect-ETL

CREDENTIAL RETRIEVAL

Describe how the credential retrieval plays a role within the Partner product. Describe the flow in detail.

- Describe how the credential retrieval is triggered

When Connect-ETL needs to connect to a 3rd party system (Database, Mainframe, etc.), it will retrieve the password from the Vault.

- Describe the circumstances / frequency under which the credential retrieval is done

Connect-ETL can be used to connect to 1 or more Database and File server. The password for each of the servers can be in the Vault. Each time a Connect-ETL job is run, it will connect to the Vault once for each password. Connect-ETL does not persist them to the disk. So each time (controlled by the user) Connect-ETL is run it will retrieve the credentials from the vault.

- Describe specific properties required for queries on various platforms
 - Unix
 - Windows
 - Other platforms

In the query part of the REST API, `AppId` and `Query` string properties are set which will identify the password to retrieve. They are provided to Connect-ETL in its execution profile file. Please see 'Execution Profile' topic in Connect-ETL's help on how to provide these properties.

REQUIREMENTS

List software, network, and hardware requirements. Provide context of requirements and team expertise for user planning needs.

- The requirements/supported platforms for Connect-ETL are documented in its Help. There are no additional requirements in Connect-ETL to retrieve passwords from CyberArk Vault.

SECRETS MANAGER INSTALLATION

Refer to the "Credential Provider Implementation Guide" for CyberArk Agentless installation and configuration.

PARTNER PRODUCT INSTALLATION & INTEGRATION CONFIGURATION

Refer to "Step by Step installation on a UNIX system" and "Step by Step installation on a Windows system" topics in the Connect-ETL help for Partner Product installation.

List specific steps to configuring Partner Product to work with SECRETS MANAGER, including:

1. It's up to the user on how to configure the password in the Vault. It's their choice on what Safe, address, platform, object name, Policy ID etc. to use. Whatever the user uses, they have to specify them to Connect-ETL in form of query string in its execution profile.

Once the SECRETS MANAGER is configured for the password vault the user can reference these values in the Connect ETL execution profile and Database Connection dialog. See Connect ETL product documentation for specific details.

Example of Database Connection dialog:

The screenshot shows a 'Database Connection' dialog box. It contains the following fields and controls:

- Name:** A text field containing 'SQLServerConnection'.
- DBMS:** A dropdown menu set to 'SQL Server', with a 'Show all' checkbox to its right.
- Access method:** A dropdown menu set to 'ODBC'.
- Database:** A dropdown menu set to 'myDatabase', with an 'Add new...' button to its right.
- Authentication:** A dropdown menu set to 'Auto-detect'.
- Connect as:** A section containing:
 - User name:** A text field containing 'myUser'.
 - Password:** Two options: 'Specify:' (unselected) with an empty text field, and 'Use repository:' (selected) with a dropdown set to 'CyberArk'. Below 'Specify:' is a checkbox for 'Specify password as environment variable'.
 - Password alias:** A dropdown menu set to 'myPasswordAlias', with a 'Define...' button to its right.
 - A checkbox for 'Save 'Connect as' information with the task'.
- Buttons:** 'Verify connection' (disabled), 'OK' (highlighted), 'Cancel', and 'Help'.

Example of execution profile:

```
"connectCyberArk" {  
  "serviceURL" : ".....",  
  "clientCertificateAlias" : "<client certificate alias defined in Connect's Repository>",  
  "passwordAliasInfo" : [  
    {  
      "passwordAlias" : "myPasswordAlias",  
      "AppID" : "<required unique ID of the application e.g: ConnectApp>",  
      "queryString" : "<query string having Safe, Folder etc. variables, e.g:  
Safe=Billing;Object=MonthlyBilling>"  
    }  
  ]  
}
```

]
}

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