CLOUD CLI

Documentation

UNICO SOLUTION

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USER GUIDE

NOTICES:

1) All future calls to start a job must include the -prj and/or the -fld if needed.
2) Advanced Workflows can be started but not monitored
3) All start job requests now use the FederatedId

PREREQUISITES

- **Java***: A Java Runtime of version 1.8 64 bit is required to run the application.*
- **Firewall***: The following ports and IP Ranges need to be allowed* ○ **Port***: 443*

    - **IP Range***: 209.34.91.0-255,206.80.52.0-255,206.80.61.0-255,209.34.80.0-255*
- **Proxy Server:**
    - IP

    - Port
    - Username (Optional)
    - Password (Optional)
- **Disk Space**: 64-128 MB

INSTALLATION

- *The installation of the Metaopsis icscmd application requires the zip file to be uncompressed in the directory of choice.*

LIMITATIONS

As of this current release the only connection supported to change their password are the following.

1. Oracle
2. MS Sql Server (All versions)
3. ODBC
4. Teradata

CONFIGURATION

Proxy Server:

If a proxy server is used to gain access to the internet, then the following environment variables will have to be set so the icscmd application can gain access to the Informatica Cloud Org.

Options
http.proxyHost = <hostname|IP of proxy server> http.proxyPort = <port number proxy listens on> http.nonProxyHosts = <IP|hostname of non proxy server> (Optional)
- Typically this would be set as http.nonProxyHosts =localhost|127.0.0.1

https.proxyHost = <hostname|IP of SSL enabled proxy server>
https.proxyPort = <port number SSL enabled proxy listens on>
http.proxyUser = <user name for proxy server> (Optional)
http.proxyPassword = <password for proxy user> (Optional)

Linux/MAC Environment

To set the proper environment variables in a Linux/Mac environment the following example should be followed. This can be done either from the command line before executing the command, in a shell script that the command is embedded in or from the .bash or .profile for the user.

export http.proxyHost=myproxy.mydomain.com
export http.proxyPort=80

Windows Environment

To set the proper environment variables in a Windows environment the following example should be followed. This can be done either from the command line before executing the executable, in a batch script that the executable call is embedded in or from the Environment Properties.

set http.proxyHost=myproxy.mydomain.com
set http.proxyPort=80

Informatica Cloud Environment

To change which Informatica cloud environment you are connecting to you must set the following environment variable.

INFA_CLOUD_ENV

Acceptable Values

ICS = Informatica Cloud R27

IICS = Informatica Cloud R28+

SANDBOX = Informatica Cloud R28+ Sandbox

CONFIGURATION

Runtime

Parameter	Description
-h	Prints out command with available parameters and how they are used
-un	Username for the target Informatica Cloud Org
-pw	Encrypted Password for the target Informatica Cloud Org (see icspasswd)
-pwe	Environment Variable containing Encrypted Password (see icspasswd)
-rt	Retry (Default 3) must be valid Integer
-prj	The name of the Project
-fld	The Folder path or blank if none (i.e. FLD1/FLD2)
-j	The job to execute by name
-w	(Optional) Will wait for the job to finish executing. If not provided the icscmd tool will exit upon issuing command to start job
-iw	(Optional) If job execution state is in warning it will be ignored and the job will complete as Successful
-s	(Optional) Will stop the job passed in by name
-t	The type of job to be executed. Allowed values [AVS|DMASK|DQA|DRS|DSS|MTT|PCS|Workflow|DNB_WORKFLOW|ADV_WORKFLOW]
-c	Change Connection Password flag
-cf	Connection Config file path
-csf	Connection Config file path for name search
-cn	Connection Name
-cp	Connection Password
-ep	Connection Password is Encrypted on input
-bteq	Executes Teradata BTEQ Script and returns response Code
-v	Version of CLI

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Return Codes

Return Code	Description
0	Success
1	connection not found
2	Invalid Password
3	ICS Rest Error
4	application error
5	executed ics job failed

Example Execution: Job Execution

./icscmd –un myuser@domain.com -pw encrypted_password –j myjob –prj Default -fld A/B –t MTT –w

FOR ADV_WORKFLOW

./icscmd –un myuser@domain.com -pw encrypted_password –j myjob –t ADV_WORKFLOW –prj Default -fld A/B

The above command will log into the Informatica Cloud Org given the credentials provided and will start a MTT task by the name of myjob. It will then wait until the job has completed before returning execution back to the user.

Example Execution: Connection Password Change Config File

./icscmd –un myuser@domain.com -pw encrypted_password –c –cf /home/configs/connection.cfg

The above command will log into the Informatica Cloud Org given the credentials provided and will read up the config file to get the connection name and password. The configuration file can have any name however must be in the following format (CSV).

Conn1,password123
Conn2,passwordabc
Conn3,mypassword
Conn4,thepassword

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Example Execution: Connection Password Change Search Config File

./icscmd –un myuser@domain.com -pw encrypted_password –c –csf /home/configs/connection.cfg

The above command will log into the Informatica Cloud Org given the credentials provided and will read up the config file to get the connection search value and password. The value in the search value will be used to loop through a list of connections looking for a given value. If the ICS Connection Name contains this value that connections password will be updated. The configuration file can have any name however must be in the following format (CSV).

Search1,password123
Search2,passwordabc
Search3,mypassword
Search4,thepassword

Example Execution: Connection Password Change with parameters

./icscmd –un myuser@domain.com -pw encrypted_password –c –cn Conn1, -cp thepassword

The above command will log into the Informatica Cloud Org given the credentials provided and will only change the named connection using the –cn parameter.

The –cf and –cn / -cp paramters are exclusive with the –cf getting the priority over the –cn / -cp pair.

Example Execution: BTEQ parameter

The bteq job should be wrapped in a batch script. This parameter does not require any login credentials for Information Cloud

./icscmd –bteq <path to script>

./icscmd –bteq E:\scripts\bteq_test.bat

ENCRYPTING PASSWORDS

icspasswd

The icspasswd utility will take your plain text password and convert it into a non-deterministic encrypted value to be passed into the icscmd utility. Because of the non-deterministic behavior it decreases the level of someone trying to guess the key and discovering your password. If the –nv parameter is used then no additional verbiage will be displayed just the encrypted result Usage: icspasswd [-nv] <password>