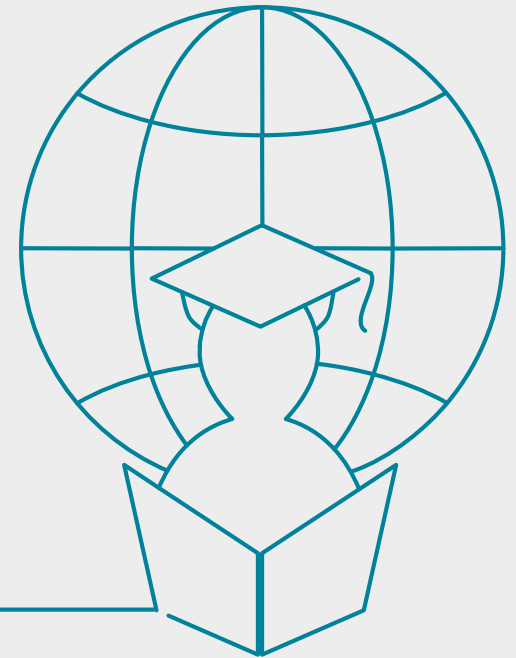# Development: Data Management

Lesson 22: Loading Data

Lesson Objectives

By the end of this lesson, you will be able to:

- Configure the Data Loader to run via the command line interface
- Encrypt a password using the encrypt.bat utility
- Create mapping files via the Data Loader GUI to support upsert with relationship use case
- Run the Data Loader via the command line to upsert data

Running the Data Loader through the Command Line Interface
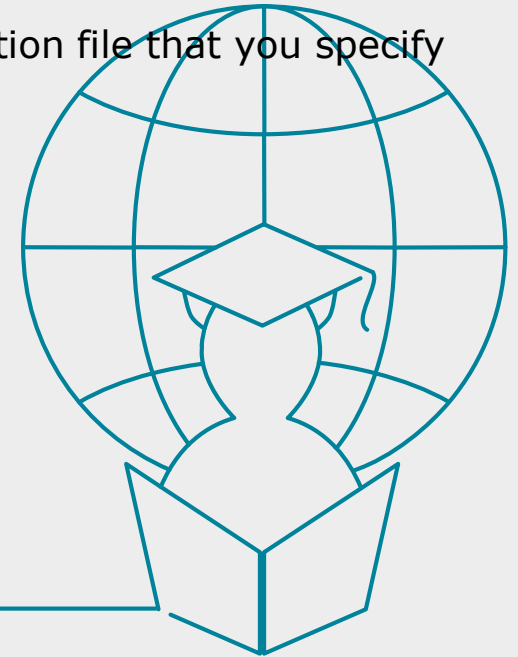
The following calls are supported:
- java – jar DataLoader.jar
- com.salesforce.dataloader.process.ProcessRunner with DataLoader.jar in the classpath

You can set the following option:
- - Dsalesforce,configu.dir=CONFIG_DIRECTORY

The Data Loader:
- Runs whatever operation, file, or map you specify in the configuration file that you specify
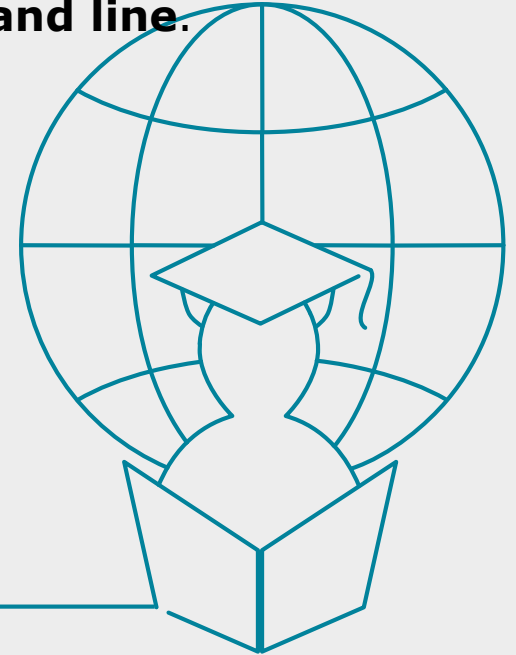- Runs the current directory if no configuration directory is specified

Running the Data Loader through the Command Line Interface (cont.)

By default the configuration file is installed at: C:\Program Files\ salesforce.com\Data Loader version\conf\

The batch process configuration file, process-conf.xml, **is installed at**: C:\Program Files\ salesforce.com\Data Loader version\ samples\conf\

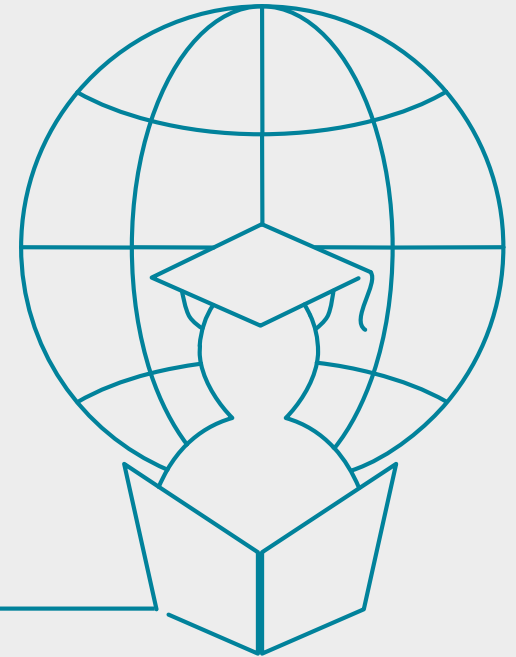- Use the process-conf.xml, to set the bean tag's id property to the name of a process in order to run it

To view tips and instructions, type –help **at the command line**.

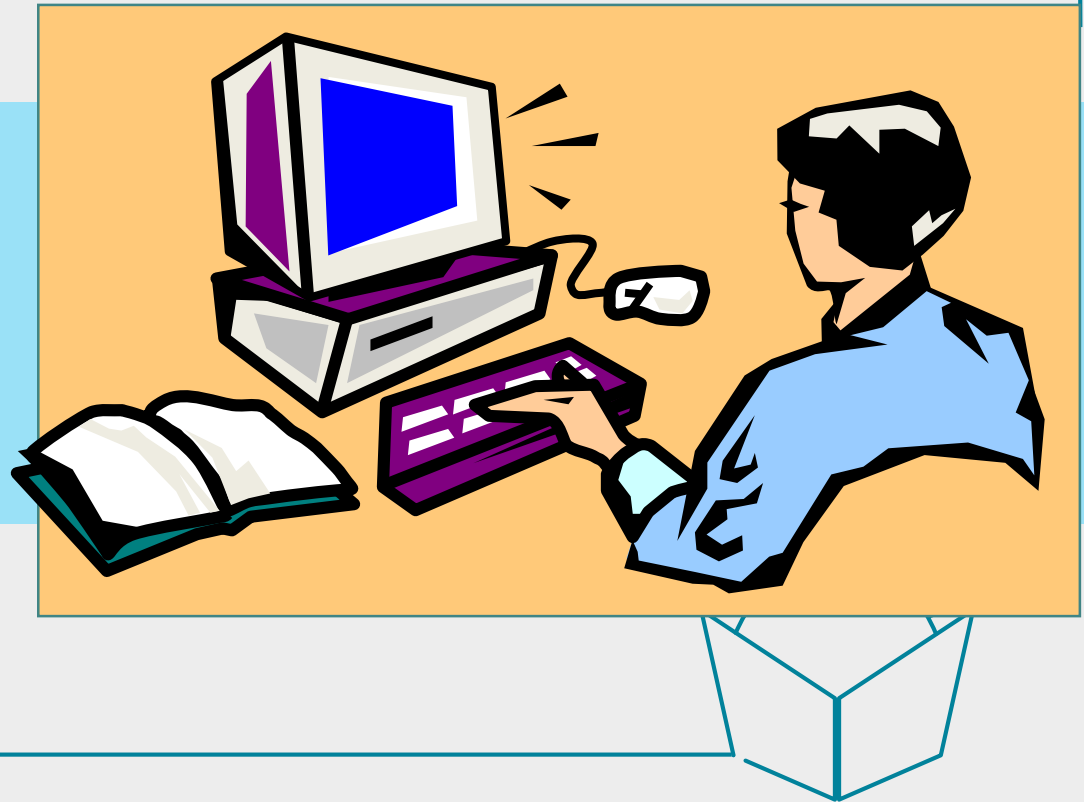# Data Loader Command Line Operations

Extract
Insert
Update
Upsert
Delete

Using the encryption utility: Run \bin\encrypt.bat

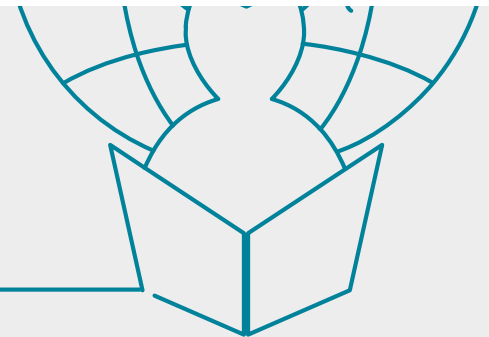At the command line, follow the prompts provided to execute the following actions:

- Generate a key: Key text is generated onscreen from the text you provide

- Encrypt text: Generates an encrypted version of a password or other text. Optionally, you can provide a key file for the encryption

- Verify encrypted text: Verifies whether the encrypted password provided matches its decrypted version. A success or failure message is printed to the command

Demo

Upserting Positions via the Data Loader GUI

Upserting Positions via the Data Loader Command Line Interface

- Data Loader through the Command Line Interface

- Data Loader Command Line Operations – same

- How can you ensure that you only have to map your columns once if you are doing multiple loads with the same kinds of files?

- The same operations that are available through the Data Loader GUI are available through the command line interface.

- TRUE OR FALSE

Knowledge Check