Understanding Environment

Monday, July 24, 2023 5:41 PM

MDH Model:

A model is a structure that identifies the data to be pulled from each separate data system and brought to the MDH. The Mode l enables record analysis, quality, and tagging functions to be applied to the identified data.

Platform Status:

Home Page: https://status.boomi.com/(opens in a new tab)
Stats: https://stats.boomi.com/(opens in a new tab)
Notifications: https://stats.boomi.com/notifications/

Process Shape:

- **Execute:** Manipulate or transform data
- **Logic :** control the data flow through processes
- **Connect :** Gets data into and out of the processes

Component Explorer :: Folder:

- Organize processes and components
- Use a **# sign** to place the folder at the top of the library.
- Use a **Z_** to place the folder at the bottom of the library.
- **#connections** folder is used to store all connections in one location

Process Library:

- The Process Library contains a variety of prebuilt processes. You can install a process to complete your integration or help you get started building one of your own.

Shapes:

1.Start Shape:

Different types of start shape are:

i. Connecter
ii. Trading Partner
iii. Data Passthrough
iv. No Data

2. Connecter Shape:

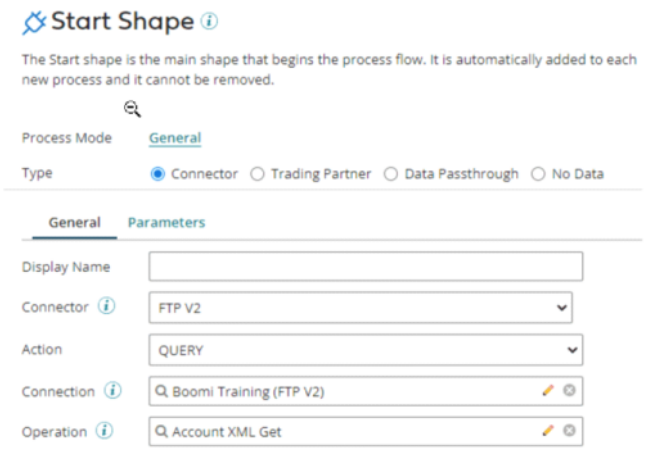
- Connector shapes get data into or send data out of the process
- They are different types of connecter shape
  i. Technology Connectors
  ii. Application Connectors
  iii. Custom Connector

FTP V2 Connector:

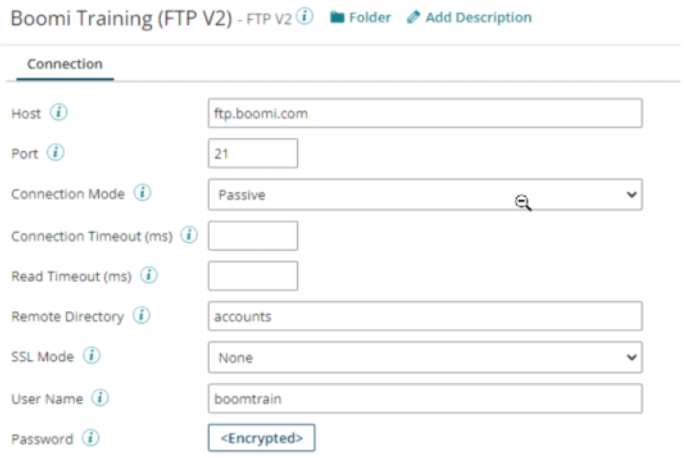
- Use the File Transfer Protocol (FTP) V2 connector to download or upload files to an FTP-enabled server.

Configuration:

- **Connector**



- **Connection**



- **Operation**

- **FTP V2 Actions:**
  i. **Create:** creates files on an FTP server or updates files if they already exist.
  ii. **Query:** Download files from FTP server
  iii. **Delete:** delete files
  iv. **GET:** retrieves single file from FTP Server
  v. **List:** Retrieves file metadata entries from a directory on an FTP server.

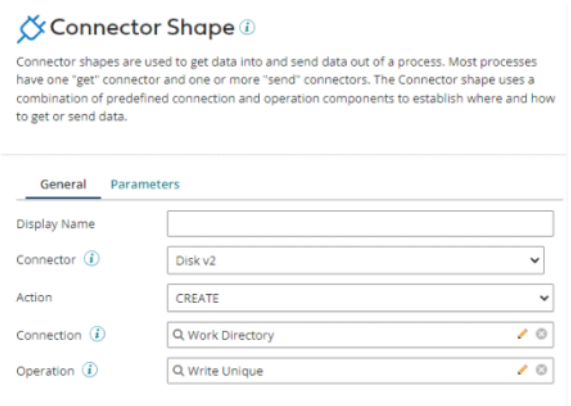
- **FTP Connection Mode:**
  i. **Active Mode:** client establishes the command channel and the server establishes the data channel.
  ii. **Passive Mode:** both the command channel and the data channel are established by the client

Disk V2 connector

Disk v2 connector to read and write from the underlying file system of the host machine where the Atom is running. The Disk v2 connector gets files from or sends files to directories on the disk the Atom has access to.

Configuration:

- **Connector**



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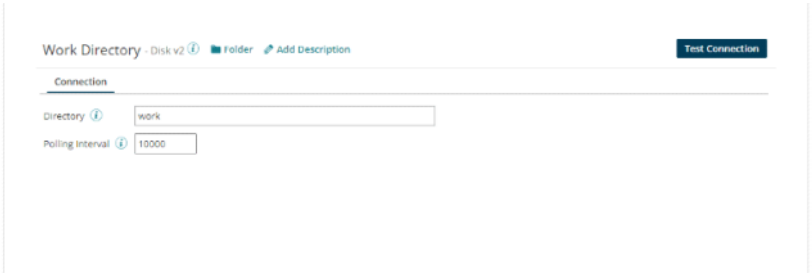
- 

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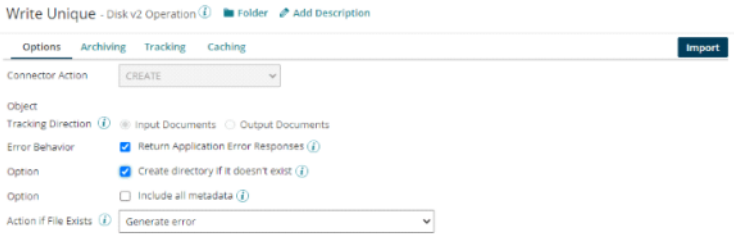
  - 

- **Disk V2 Actions:**
  i. **Create:** The action Create generates new files if they do not already exist and returns the new ID of the inserted object.
  ii. **Delete:** The action Delete removes the file from the directory. The ID specifies the record to delete.
  iii. **Get:** The action Get retrieves objects that match the input filename ID.
  iv. **List:** The action List retrieves files within a directory
  v. **Listen:** The action Listen waits for and retrieves files from a given directory on the disk in the underlying file system.
  vi. **Query:** The action Query reads a set of files within a directory based on search criteria.
- **Set Properties shape:**
  i. The Disk V2 Connector requires you to provide it an **output file name**. You need the Set Properties Shape to accomplish this task.

Working With Shapes

Tuesday, July 25, 2023 3:31 PM

Shapes:

1.Start Shape:

Different types of start shape are:

i. Connecter
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iii. Data Passthrough
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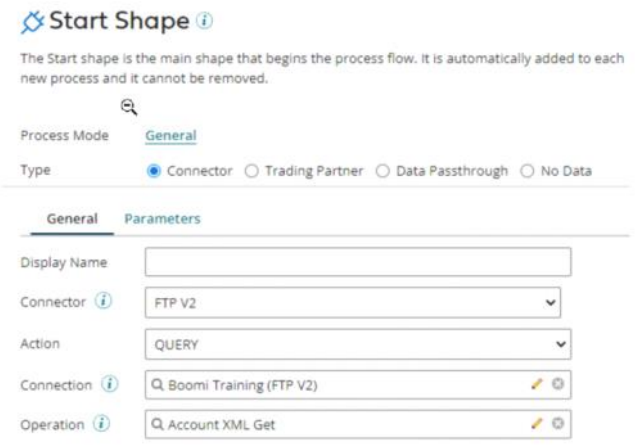

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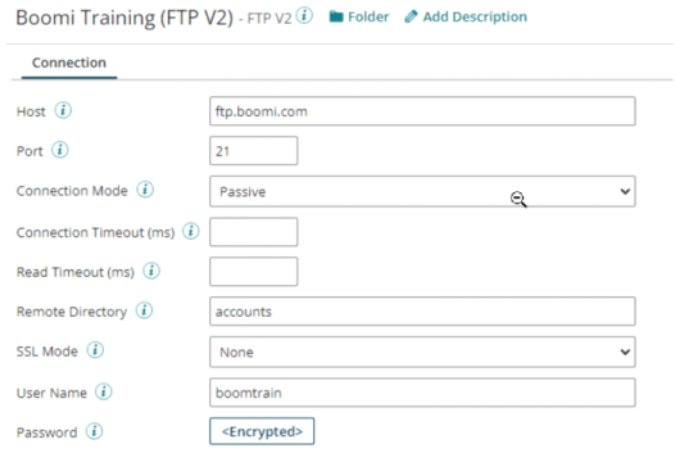

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- 

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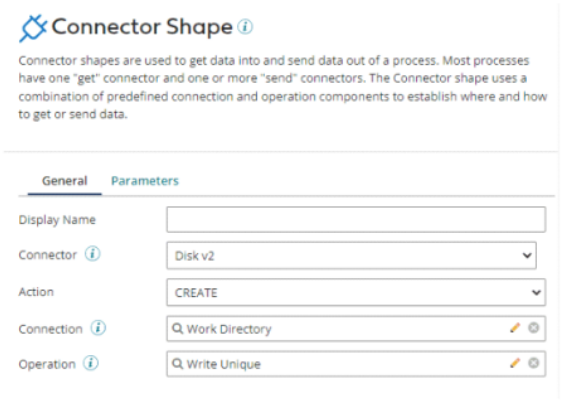

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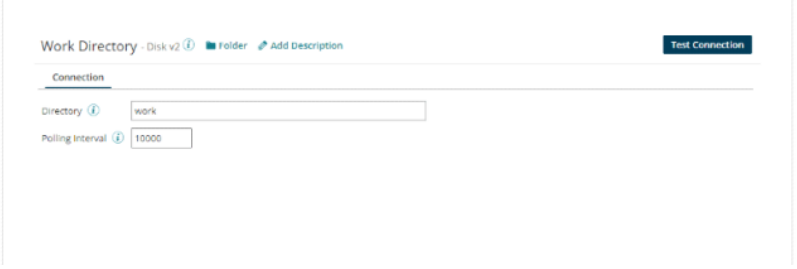

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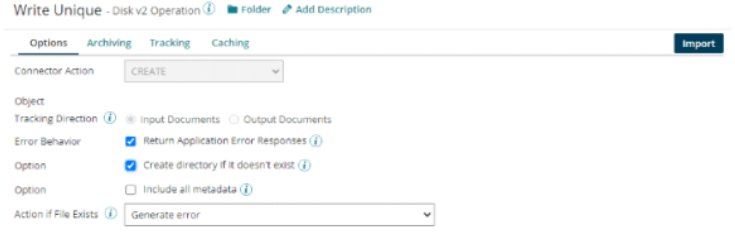

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Running A Process In Test Environment

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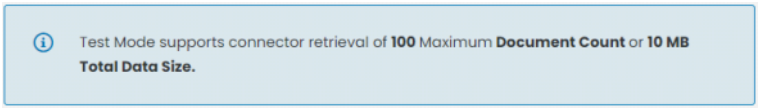
Test Mode:

Test mode allows you to quickly test processes from the Build page without deploying the process to an Atom.



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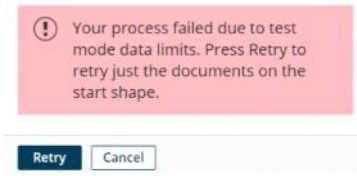

AtomSphere produces this error message if you exceed test mode data limits. A large process can produce an error.

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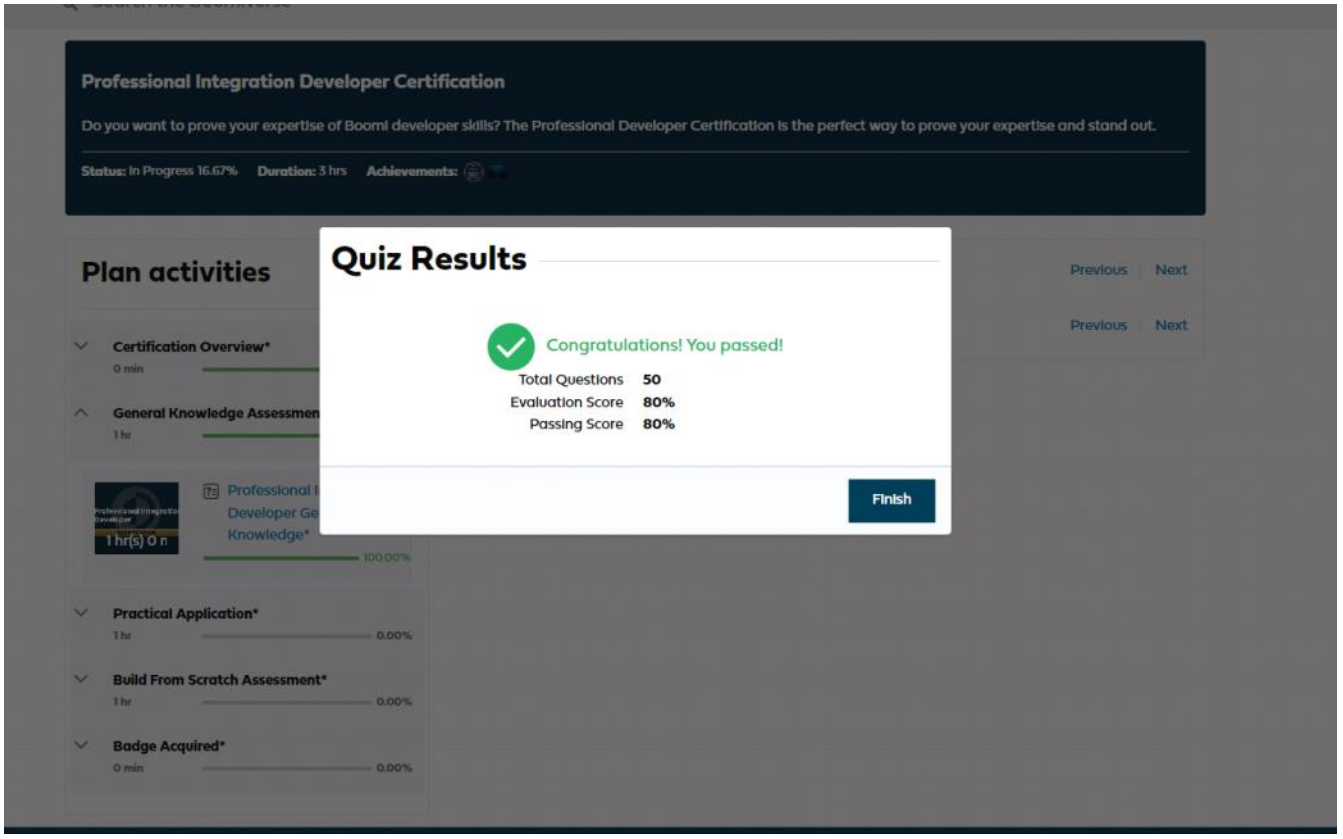
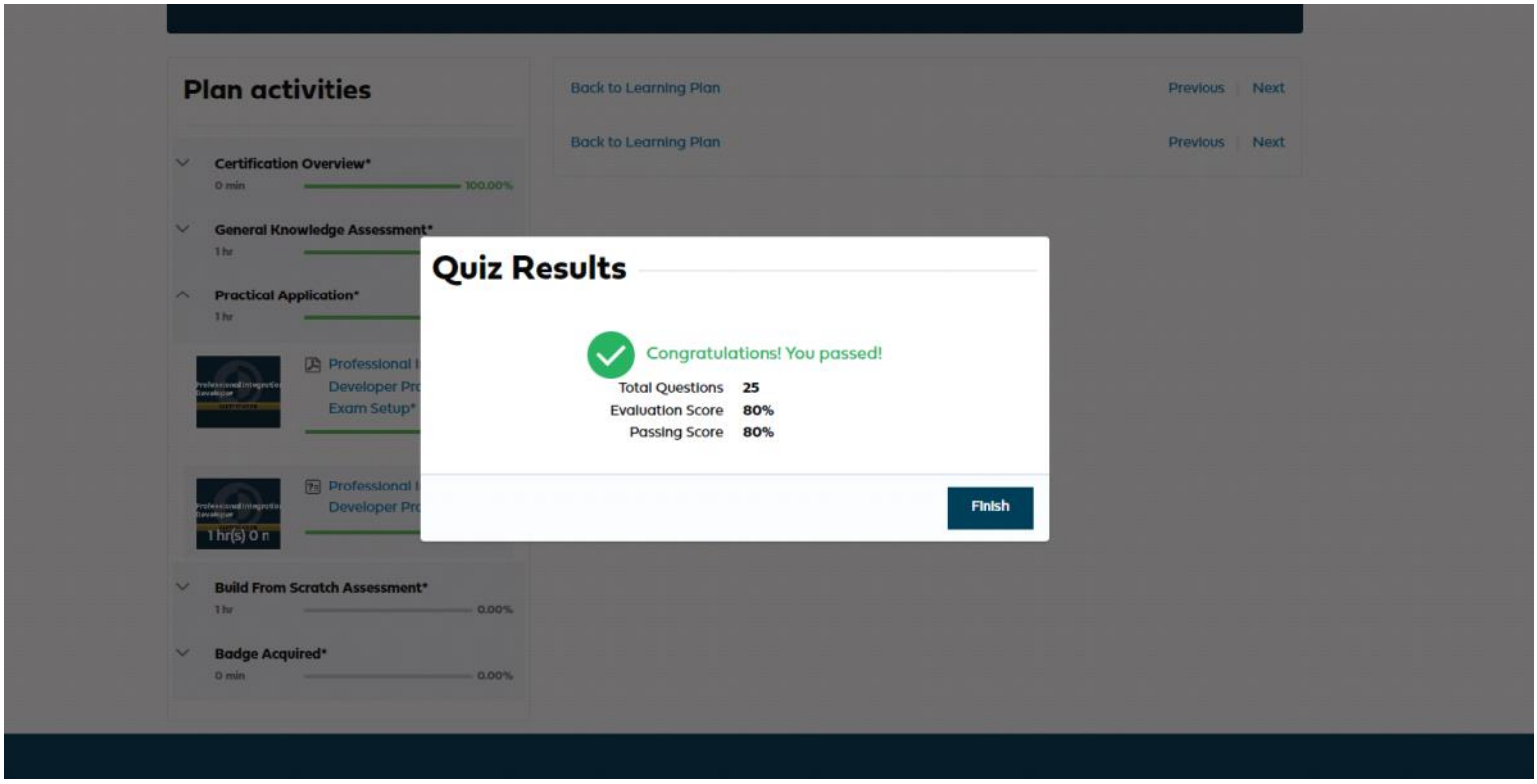



Plan activities
Certification Overview*
0 min
100.00%
General Knowledge Assessment*
1 hr
Practical Application*
1 hr
Professional I
Developer Pro
Exam Setup*
Professional I
Developer Pro
1 hr(s) 0 n
Build From Scratch Assessment*
1 hr
0.00%
Badge Acquired*
0 min
0.00%
Back to Learning Plan
Previous | Next
Back to Learning Plan
Previous | Next
Quiz Results
Congratulations! You passed!
Total Questions 25
Evaluation Score 80%
Passing Score 80%
Finish

Defining Documents And Understanding Flow

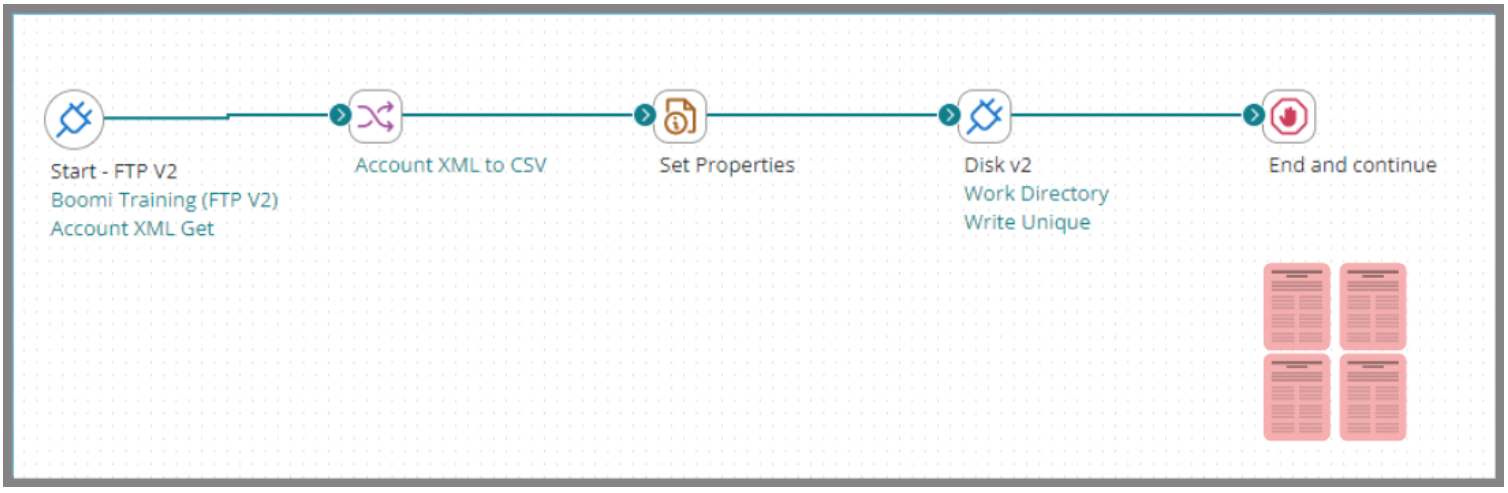
Tuesday, July 25, 2023 3:46 PM

Document:

- A document is a set of data that flows through the Boomi process. It can be a single record, a group of records, or an entire file.

- **Document Types Supported By AtomSphere:**
  - XML
  - JSON
  - FLAT FILE (CSV,SSV..etc)
  - DATABASE (Oracle,MSQL..etc)

Example Process Flow:



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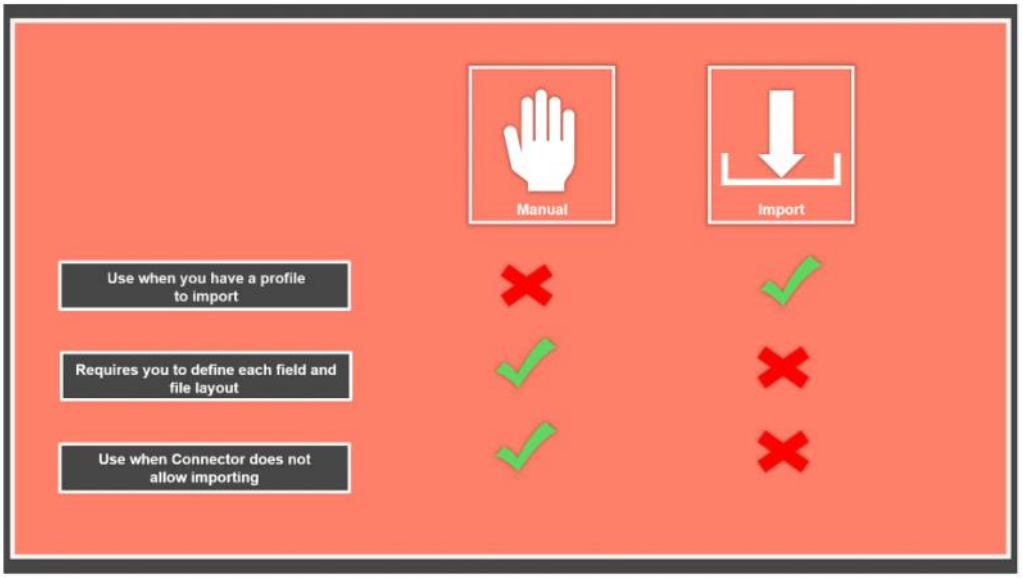
Working With Profiles

Tuesday, July 25, 2023 4:06 PM

Profiles

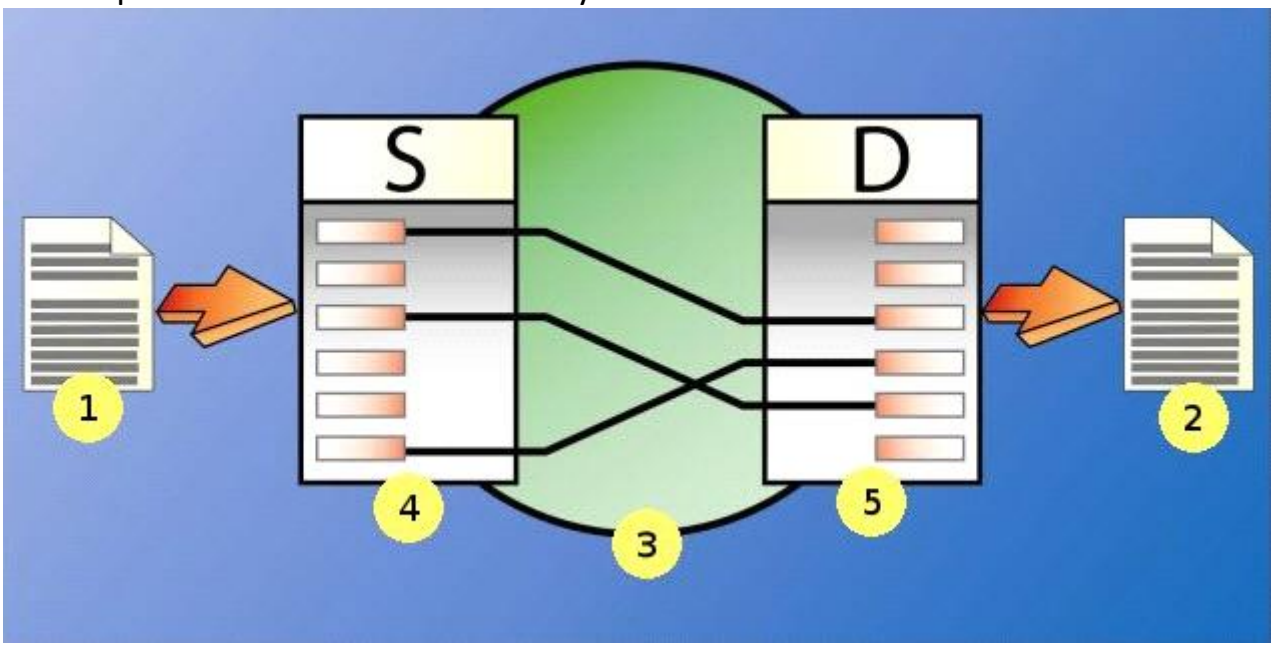
- Profiles describe the layout or format of documents read into or sent out of processes
  - **Profile Types:**
Name	Description
Filter	Filter
Database	Database profiles can be Read and Write. A Read database profile can execute SELECT statements or stored procedures against a target database. A Write database profile can execute an INSERT, UPDATE, DELETE or stored procedure against a database.
EDI	An EDI profile describes a delimited or positional file that meets ASC X12, HL7, EDIFACT, TRADACOMS, ODETTE, or User Defined standards.
Flat File	A flat file profile describes a file that contains either delimited or positional data. An example of a flat file is a comma separated (CSV) file.
XML	An XML profile describes a file that meets the W3C Standard for eXtensible Markup Language.
JSON	A JSON (JavaScript Object Notation) profile describes a file that represents simple data structures and associative arrays. JSON files are based on a subset of the JavaScript Programming Language, Standard ECMA-262 3rd Edition - December 1999.
  - **Ways to Create Profiles**
    - Manual
    - Import a File or Schema
    - Import the Connection Operation



Understanding The Map Shape

Tuesday, July 25, 2023 4:51 PM

Map Component:

- Use maps to convert data from one layout or format to another.
- 

    - **There are two ways to set up profiles in a Map shape.**
        - Import From Existing Profile
        - Manually

Mapping

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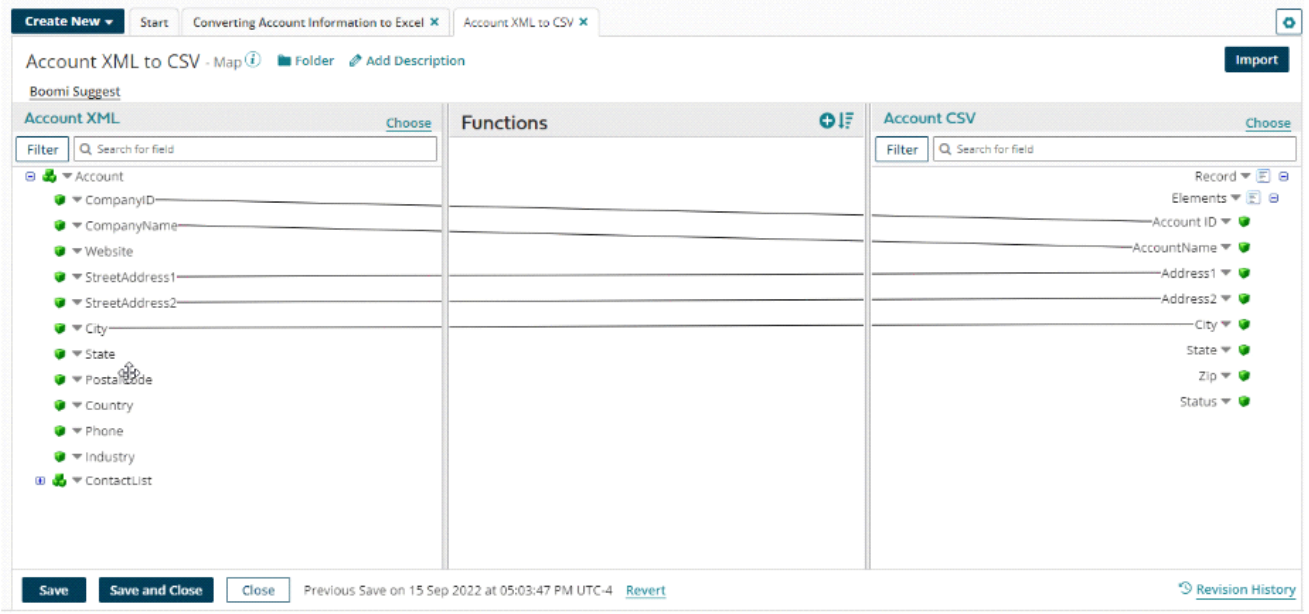
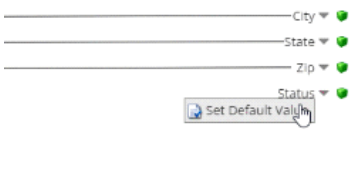
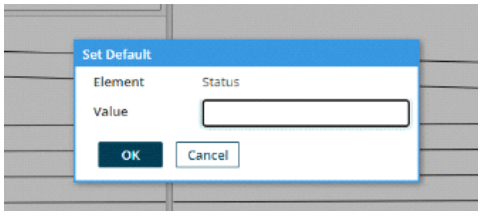
Mapping:

- Mapping shows how elements in the source profile correspond with those in the destination profile.
- 

Default Value:

- AtomSphere assigns a default value to a destination Profile element when no value exists in the source profile.
- Default value used when source value is NULL or Blank and also if their is no source value to the corresponding destination value
- 

- 

Understanding Deployment

Tuesday, July 25, 2023 5:40 PM

Deployment

- Deployment is how you prepare your processes and deployable components to run and operate in a Test or Production Environment.

Deployment Workflow

Why deploy a process?

- Controls specific versions
- Manages versioning
- Isolates the process version
- Complete audit history

Packaged Components

- When you create a packaged component or process, you take a snapshot of its development on the build tab. You typically do this when you are done building and are ready to deploy to your Environment.

Understanding Process Reporting

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Process Reporting:

- Process Reporting is important because it allows you to search for information about process executions and their related documents.

Process Reporting Uses:

- Shows executed processes
- Manually execute a process
- Filters process executions

Understanding undeploying

Tuesday, July 25, 2023 6:22 PM

Undeploying:

- Undeploying is when you remove a packaged component from the list of active deployments.

Reasons to Undeploy:

- **Process no longer needed**
  When you have a process that no longer needs to run a deployed environment, you can undeploy it.
- **Regain Licenses**
  When you undeploy a process, you will regain the connection licenses.