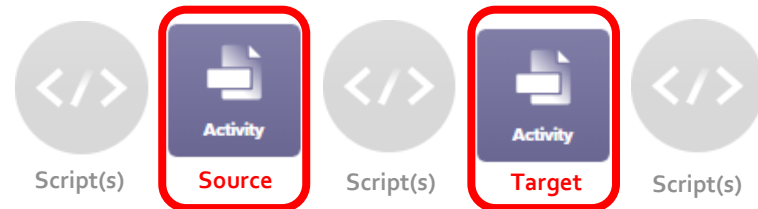


# Valid Operation Patterns for Jitterbit Harmony Cloud Studio

## Archive Pattern



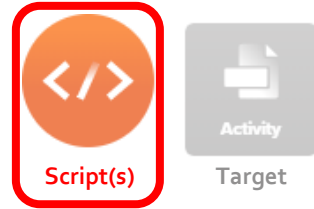
### Source Activity

- [API](#)<sup>A</sup>
- [File Share](#)
- [FTP](#)
- [HTTP](#)
- [Local Storage](#)
- [NetSuite](#)
- [Salesforce](#)<sup>E</sup>
- [Salesforce Service Cloud](#)<sup>E</sup>
- [ServiceMax](#)<sup>E</sup>
- [Temp Storage](#)
- [Variable](#)

### Target Activity

- [API](#)
- [File Share](#)
- [FTP](#)
- [HTTP](#)
- [Local Storage](#)
- [Temp Storage](#)
- [Variable](#)

## Script Pattern



### Target Activity

- [API](#)
- [File Share](#)
- [FTP](#)
- [HTTP](#)
- [Local Storage](#)
- [Temp Storage](#)
- [Variable](#)

## Transformation Pattern<sup>B, C, D</sup>



Source Activity<sup>A</sup>  
Any<sup>E</sup>

At least one activity must be included; a transformation cannot exist by itself without an activity.

Target Activity  
Any<sup>E</sup>

## Key and Notes

Required component

Optional component

Optional group of components

Required activity if optional component group is included

<sup>A, B, C, D, E, F</sup> For footnotes, see [Footnotes for Validation Patterns](#).

## Two-Target Archive Pattern<sup>C, D</sup>



Source Activity 1<sup>A</sup>  
Any<sup>E</sup>

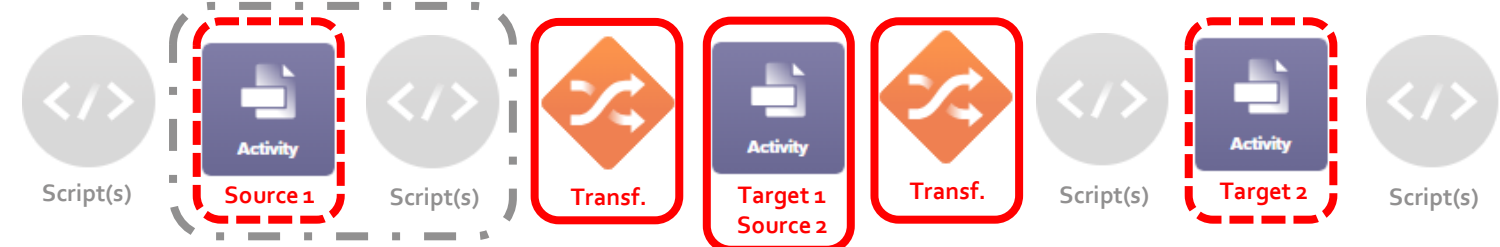
Target Activity 1  
Source Activity 2

- [NetSuite](#)
- [Salesforce](#)<sup>D, E</sup>
- [Salesforce Service Cloud](#)<sup>D, E</sup>
- [SAP](#)
- [ServiceMax](#)<sup>D, E</sup>
- [SOAP](#)

Target Activity 2

- [API](#)
- [File Share](#)
- [FTP](#)
- [HTTP](#)
- [Local Storage](#)
- [Temp Storage](#)
- [Variable](#)

## Two-Transformation Pattern<sup>D, E</sup>

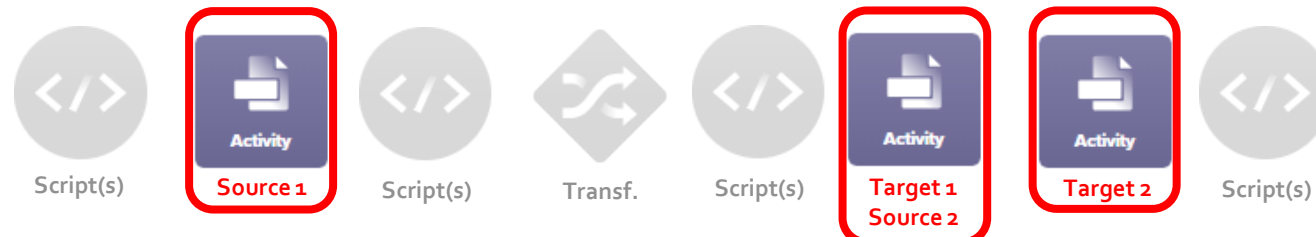


Source Activity 1<sup>A</sup>  
Any<sup>E</sup>

Target Activity 1  
Source Activity 2  
Any<sup>E</sup> except for [API](#), [Database](#), [File Share](#), [FTP](#), [HTTP](#), [Local Storage](#), [Temp Storage](#), or [Variable](#)

Target Activity 2  
Any<sup>E</sup>

## Two-Target HTTP Archive Pattern



Source Activity 1<sup>A</sup>  
Any<sup>E</sup>

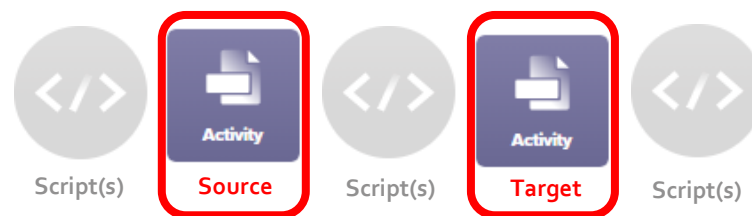
Target Activity 1  
Source Activity 2

- [HTTP](#)<sup>F</sup>

Target Activity 2

- [API](#)
- [File Share](#)
- [FTP](#)
- [HTTP](#)
- [Local Storage](#)
- [Temp Storage](#)
- [Variable](#)

## Salesforce Bulk Target Pattern



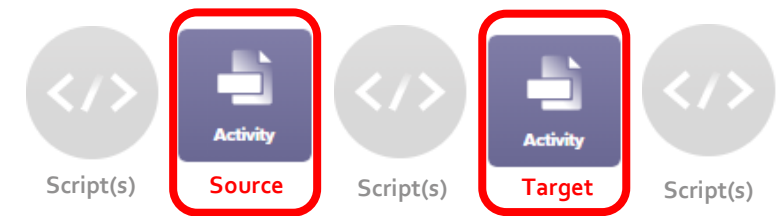
Source Activity

- [File Share](#)
- [FTP](#)
- [HTTP](#)
- [Local Storage](#)
- [Temp Storage](#)
- [Variable](#)

Target Activity

- A Salesforce-based bulk activity ([Salesforce](#), [Salesforce Service Cloud](#), or [ServiceMax](#) Bulk Insert, Bulk Update, Bulk Upsert, Bulk Delete, or Bulk Hard Delete)

## Salesforce Bulk Source Pattern



Source Activity

- [Salesforce Bulk Query](#)
- [Salesforce Service Cloud Bulk Query](#)
- [ServiceMax Bulk Query](#)

Target Activity

- [File Share](#)
- [FTP](#)
- [HTTP](#)
- [Local Storage](#)
- [Temp Storage](#)
- [Variable](#)