Marketo Bulk

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Bulk provides an option to upload a large number of resources, such as contacts, to a service provider all at once. You can use bulk to download a csv or json file from a large number of records or upload a csv or json file to add multiple records. See Using Bulk for more information on managing bulk.

> **ℹ Note:** SAP Cloud Platform Open Connectors leverages the native provider bulk endpoints whenever available. When there is no bulk available from the provider, SAP Cloud Platform Open Connectors provides a bulk service for uploading and downloading data from the endpoint. See Bulk Details for the type of bulk used.

Bulk Details

Bulk Information	Details
Bulk Type	Marketo's native bulk endpoints
Upsert Support	Yes
Field Selection Support	For example, `select name,id from contacts`.
Order By Support	Yes, you can add `orderby=fieldName` to the query.

Hash Verification

If you configured the **Callback Notification Signature Key** (`event.notification.signature.key`) when you authenticated a connector instance, the bulk APIs will use the signature key to provide hash verification in the header of bulk jobs. For more information, see Hash Verification.