

# MongoDB Adapter



This page explains the **MongoDB Adapter** in Bridge context. If you were looking for the same information regarding the [PAS Designer](#), refer to [MongoDB Adapter](#) in the Designer guide.

Runtime 2021.2 Builder 7.12.0 Besides a generic SQL Database Management System (see [SQL Adapter](#)), the Bridge supports MongoDB - a NoSQL and document oriented database. MongoDB support is native and you do not need to install any client tools or drivers.

Using the MongoDB adapter, you can

Task	Adapter Action	Description	Documentation Reference
Insert and update documents	<b>insert</b>	Insert new documents to a database.	<ul style="list-style-type: none"><li><a href="#">Inserting and Deleting Documents</a></li></ul>
	<b>replace</b>	Replace one or more documents by a new one. The documents are identified by a query.	<ul style="list-style-type: none"><li><a href="#">Updating MongoDB Documents</a></li></ul>
	<b>update</b>	Update all or dedicated properties of one or more documents with new values. The documents are identified by a query.	
Retrieve documents /information	<b>find</b>	Get a result set based on a provided query. You can get the result set all at once, or fetch single documents via a handle (see <b>fetch</b> ).	<ul style="list-style-type: none"><li><a href="#">Querying MongoDB</a></li></ul>
	<b>fetch</b>	Fetch single records from a result set that has been retrieved by <b>find</b> .	
	<b>aggregate</b>	Aggregate data based on a query and MongoDB pipelines.	<ul style="list-style-type: none"><li><a href="#">Aggregating Data</a></li></ul>
Remove documents	<b>delete</b>	Remove one or documents from the database. The documents are identified by a query.	<ul style="list-style-type: none"><li><a href="#">Inserting and Deleting Documents</a></li></ul>

To use the MongoDB adapter it is helpful if you are familiar with the concepts of MongoDB.



As opposed to standard JSON, with MongoDB the order of keys does matter. Action script statement `classToJSON()`, however, does not guarantee to preserve the order presented in the class. In many cases that will work but it may behave unexpectedly wrong.

So, with the MongoDB adapter use `classToExtendedJSON()`.

## Related Pages:

- [MongoDB Components](#)
- [Querying MongoDB](#)
- [Updating MongoDB Documents](#)
- [Aggregating Data](#)
- [Inserting and Deleting Documents](#)
- [MongoDB Adapter Reference](#)
- [SQL Adapter](#)

## Related Documentation:

- [MongoDB Manual](#)

## Example File (Builder project Add-ons/MongoDB):



<your example path>\Add-ons\MongoDB\uml\simpleMongoDbAccess.xml