

Persist your content

No SQL persistence

Apstrata relieves you from having to create a relational database, defining tables or manipulating DDL or SQL. You are provided with a ready to use **store**, within which you create **documents**. Documents have a **key/value pairs** structure, where the key is a field name and the value can have one of the following types: string, numeric, text, date, file or geospatial.

To create or update a document, just invoke the **SaveDocument** API and pass it the key/value pairs that you need to create or update. When you create a document, Apstrata generates a **document key** for you if you did not specify one and returns it in the response of the call to SaveDocument. The document key is the unique identifier of the document in your store: use it to retrieve the document or to update it.

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Example 1: save my game

Let us say that you are implementing a cool game that runs on mobile devices, such as smartphones or tablets. Since a user could run this game on any of his devices, it is better to persist the data of the current game, such as the score, the count of remaining lives, the current level and the player's name, in a central and shared location. So let us create an Apstrata document in your store for that.

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Example 2: update my game

Your app user decides to take a short break and stop playing. We thus need to persist the current status of his game and hence update the Apstrata document created in example 1, by passing a new value for the "score", the "level" and "lives" fields (we assume that the document key obtained upon creation of the document was "C4E11A5C2A96B94C12F5C4F5AA44C4CF").

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