

Basic Concepts

Apstrata Basic Concepts

- **Store:** The equivalent of a database in RDBMs, depending on his/her account type, an Apstrata account owner is given the ability to create an arbitrary number of *Stores* to store his/her data.
- **Document:** The basic storage entity to persist data. A document is saved in a particular Store.
- **ACLs:** Fields in a document can be arranged into Access Control List (*i.e.*, ACL) groups. The ACLs enforce the list of users and groups that are allowed to view or write into certain fields as well as allowed to delete a document.
- **Multi-Value Fields:** A field can be designated as multi-value, receiving an arbitrary amount of values (or as set by its cardinality property).
- **Rich Media Support:** Binary file types (such as images, videos and Office or PDF documents) are stored into documents exactly like the meta-data (text, numbers).
- **Version Control:** Documents can be version controlled.
- **Full text Search:** All documents stored into Apstrata are full text indexed including their attachments such as Office and PDF documents.
- **Schema:** A document can be created based on a schema that enforces field types and ACLs.
- **Transactions:** Our *Stores* support ACID transactions, *i.e.*, multiple simultaneous operations succeed or fail together.
- **Typed Data Fields:** String, Numeric, Date, Text.
- **Rich Query ability:** Flexible filter statements, result set sorting, basic aggregates and count.

For specific details on how to persist data, see the page entitled [SaveDocument API](#).