

Indexing

- ▶ Primary Index (automatic)
 - ▶ Unique Index on `_key` and `_id`
 - ▶ Only equality
 - ▶ $O(1)$ complexity
- ▶ Edge Index (automatic on `EdgeCollections`)
 - ▶ Index on `_from` and `_to`
 - ▶ Only equality
 - ▶ $O(1)$ complexity
- ▶ Hash Index
 - ▶ Index a list of non-system attributes
 - ▶ Only equality
 - ▶ $O(1)$ complexity
 - ▶ Optionally unique

Indexing

▶ Skiplist Index

- ▶ Index a list of non-system attributes
- ▶ Sorted
- ▶ Search for ranges ($1 < \text{doc.attr AND doc.attr} < 4$)
- ▶ $O(\log n)$ complexity
- ▶ Optionally unique

▶ Geo Index

- ▶ Index 2 attributes or one array as geo-coordinates
- ▶ Search for area (all in radius r around (x, y))
- ▶ Search for documents near a point

▶ Fulltext Index

- ▶ Index string attributes
- ▶ Search for prefixes of words inside the string
- ▶ Configurable min-length