Chapter 3: Patterns (Part 1)

Attribute Pattern

< **Back to the Question**

Correct Option:

- Some fields share a number of characteristics, and we want to search across those fields.

This is one of the main reason you should use this pattern. Alternatively to using the pattern for this situation, MongoDB introduces *Wildcard Indexes* that allow to index together a list of fields.

Incorrect Options:

- The working set does not fit in memory.

  Having a single index for the attributes would save some memory, on disk and in RAM. However, if the multitude of indexes you originally had were of type "partial index", you may not see a significant difference in the amount of space.

- The documents are large.

  Using the Attribute Pattern may give you a better organization of the fields in your documents, however, it does not reduce the size of the documents.

- The documents need strict validation.

  While it is true that you would have a lot fewer field names to describe in your validator if you used the *Attribute Pattern*, it would not actually be much simpler as you are potentially moving the problem to a list of acceptable values for a given "k" field.

- The system is accessing the disk too frequently.

  The Attribute Pattern is not going to be very helpful for this issue.

Proceed to next section