Data In, Data Out

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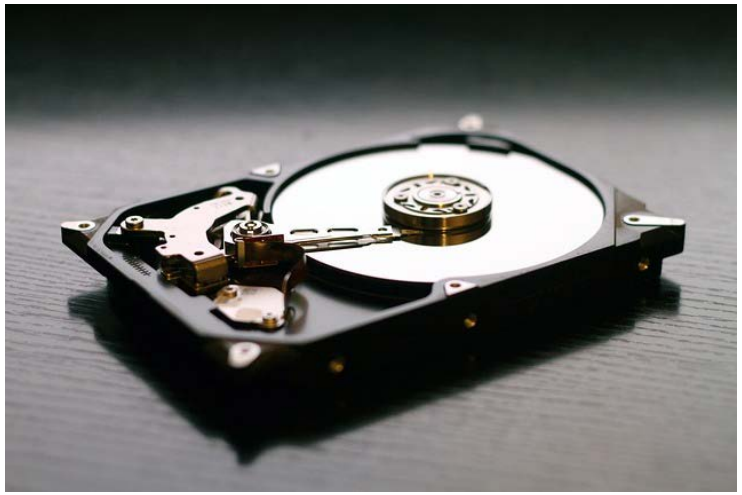
Stuff Happens!



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Oh No!
Disaster!!!

Stuff Happens!

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Back It Up!

— Anyone

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```
mongodump [destination]
```

- Extracts data from running mongod
- Needs directory with sufficient space

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mongodump

Default options

- Connect to local mongod running on default port
- Files will be stored in "dump" directory under current working directory

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```
mongodump --host […] --port […] --out […]
```

Explicit options

- **--out** names the directory, not the file.
- Directory-per-dump "2014-10.11-backup"

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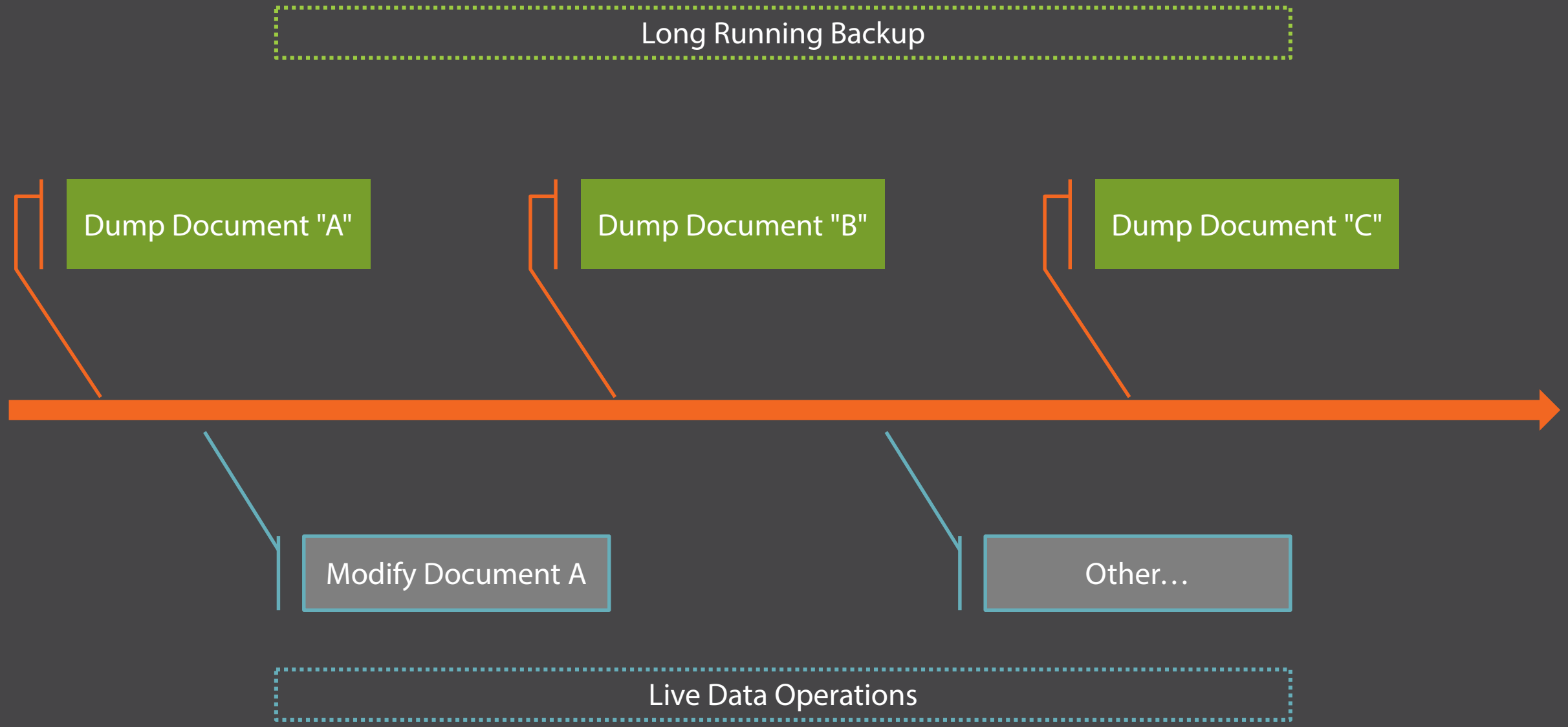

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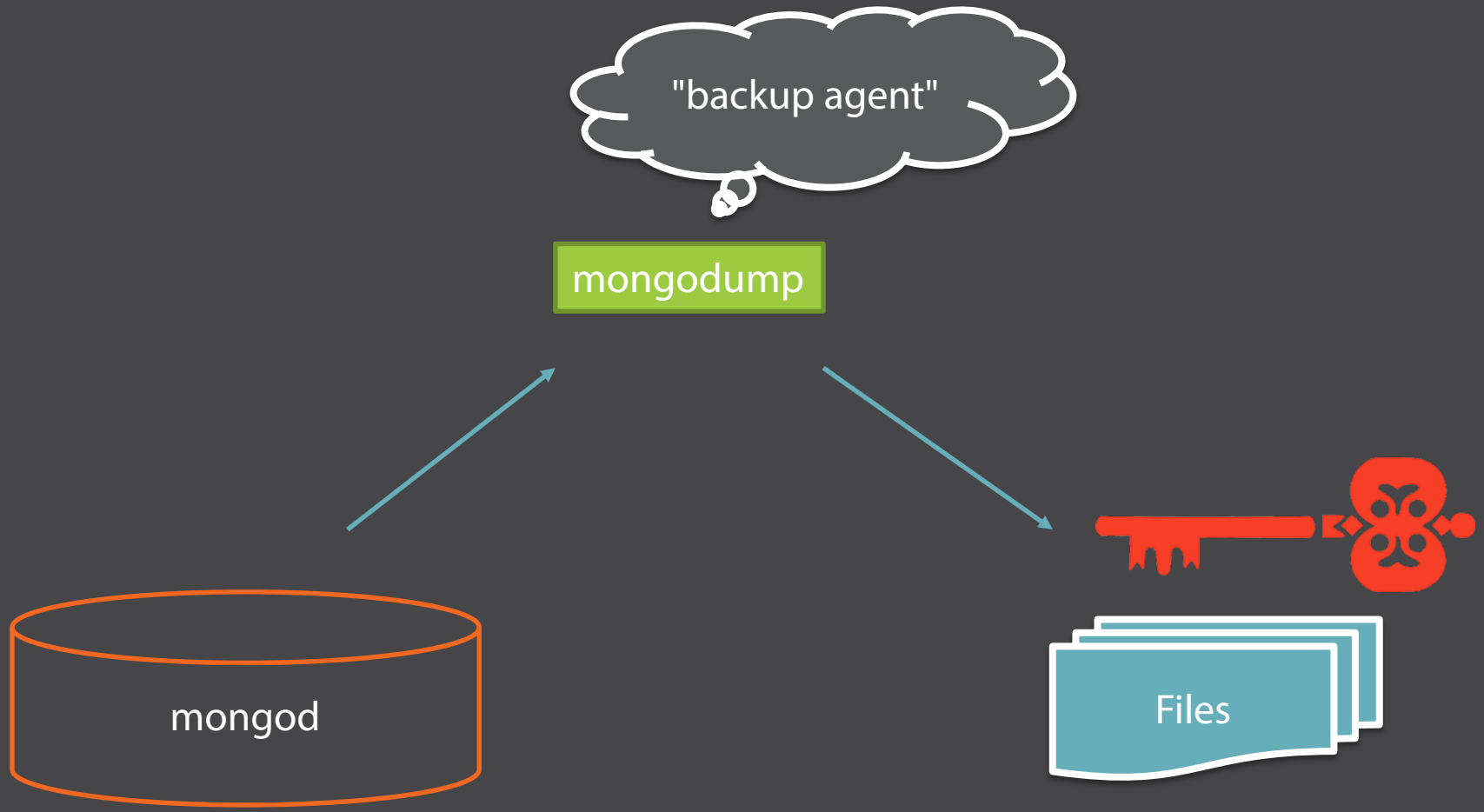

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```
mongodump --dbpath
```

Deprecated syntax

- Direct mongo data file dump without mongod is deprecated.
- Must connect to a ***running*** instance of mongo[s].

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`mongorestore --oplogReplay`

Replay operations occurring during backup

- Point in time restore
- Available for replica set dumps created with ***--oplog*** option

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Practice Restoring Routinely

Master the syntax

Ensure backup file integrity

Know the time to restore

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Bulk data in / out

mongoimport & mongoexport

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```
mongoimport --type [json|csv|tsv]
```

Import data from a file into a collection

- Default format JSON

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No Source Id

Source Document

```
{
    SKU: 'xyz',
    Price: 19.99
}
```

Mongo Document

```
{
    _id: 123,
    SKU: 'xyz',
    Price: 19.99
}
```

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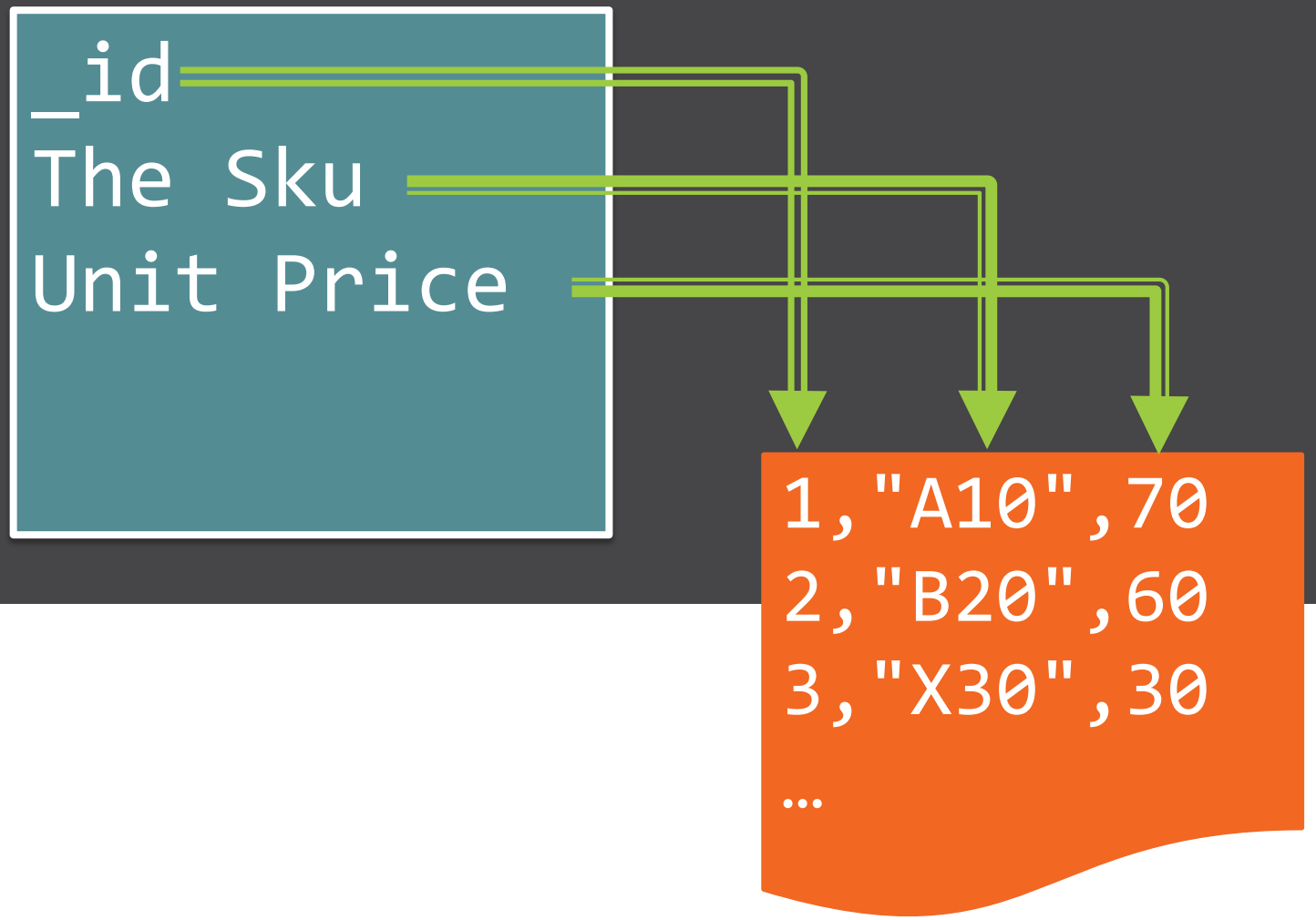
`--filedFile [file name]`



Field names in a file

- One name per line
- Names can contain spaces (not recommended)

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Summary

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