

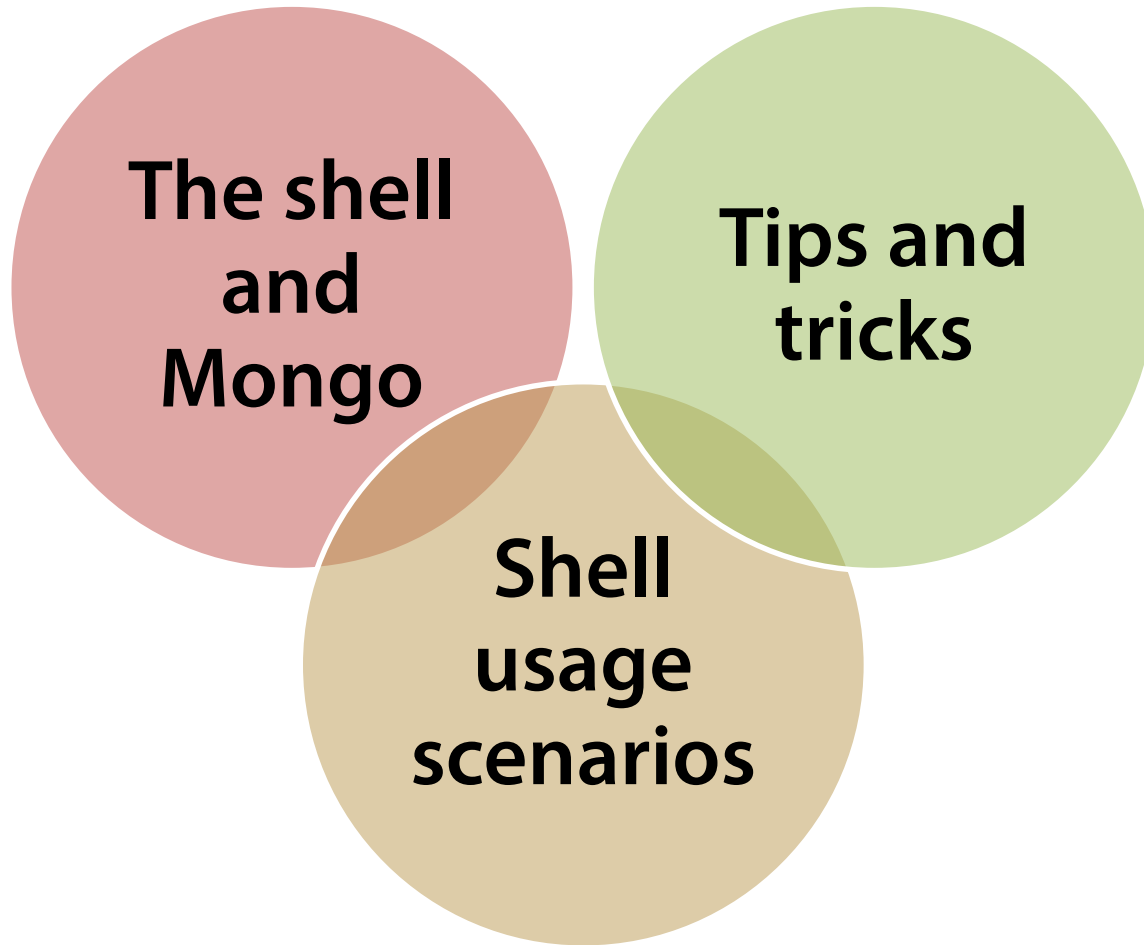
# Introduction to MongoDB

## The Shell

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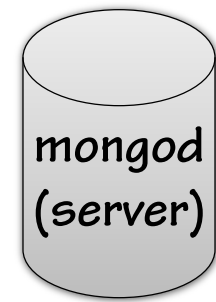
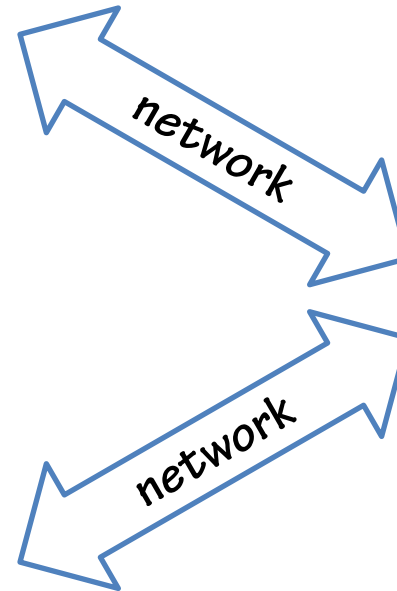
# The Shell



# Shell and Mongo



Application



```
> db.save({x:1});  
> db.find();
```

# Interactive Shell

## Runs JavaScript

- Scripting – not just issuing CRUD

## Useful for

- Administrative tasks
- Spelunk Data
- Fix or modify some documents

# **“Blind” Shell**

## **Runs JavaScript**

- **Run administrative scripts**
- **Run single ad-hoc command**

## **Useful for**

- **Administrative tasks**
- **Batch processing**

# "Blind" Command

```
// single command: --eval
```

```
mongo server1/admin --eval "db.runCommand({logRotate:1})"
```

# **“Blind” script**

```
// run a script: script name  
  
mongo server1 myDailyChores.js
```

# Script -> Interactive

```
// run script, then get in shell: --shell
```

```
mongo server1 myDailyChores.js --shell
```



# Getting Around

- Quick ref - keystrokes

Key	Function
[←] [→]	Move cursor right/left
[Ctrl] + [←], [Ctrl] + [→]	Move cursor right/left
[↑] [↓]	Scroll history
[Home] or [Ctrl] + [A]	Start of line
[End] or [Ctrl] + [E]	End of line
[Ctrl] + [K]	Delete to end of line
[Ctrl] + [L]	Clear screen

# External Editor

- Complex scripts can use a “big-boy” editor
- Wire up the shell to use your favorite editor

**❶** // From the console:

```
C:\> set EDITOR="mySuperEditor.exe"
```

**❷** // From the shell: edit

```
mongo> myFunction = function(x){}  
mongo> edit myFunction
```

# Prevent Disaster

```
// sample .mongorc.js script

var _no_ = function(){ print("Nope!");}

DB.prototype.dropDatabase = _no_;
db.dropDatabase = db.prototype.dropDatabase;

DB.prototype.shutdownServer = _no_;
db.shutdownServer = db.prototype.shutdownServer;
```

# Alternatives?



## Command line benefits

- Free
- Comes with
- Interactive
- Scriptable
- Makes you proficient

## Summary

**Use it**

- Interactive
- Run scripts

**Know it**

- Tips & tricks
- Shortcuts