

Setting up MongoDB



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mongodb

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SKILL LEVELS

- ☐ Beginner (10)
- ☐ Intermediate (34)
- ☐ Advanced (3)

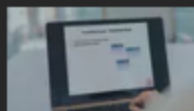
ROLES

- ☐ Data Professional (6)
- ☐ IT Ops (1)
- ☐ Software Development

SUBJECTS TO LEARN

TOOLS

AUTHORS



Introduction to MongoDB

Nuri Halperin · Intermediate · Jul 10, 2013 · 2h 27m · ★★★★★ (1682)



Using the MongoDB C# v2 Driver

Wes Higbee · Intermediate · Feb 03, 2016 · 3h 7m · ★★★★★ (41)



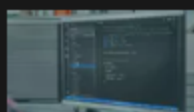
Using MongoDB with ASP.NET MVC

Wes Higbee · Intermediate · Apr 03, 2014 · 3h 12m · ★★★★★ (526)



MongoDB Change Streams: Driving Real Time Events and Streaming Applications

Nuri Halperin · Intermediate · Aug 26, 2018 · 2h 19m · ★★★★★



Building Business Applications with Vue.js and MongoDB

Mark Scott · Intermediate · Jul 16, 2018 · 3h 18m · ★★★★★ (18)



Code School: The Magical Marvels of MongoDB

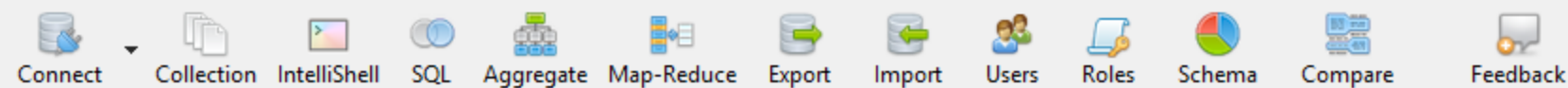
Joel Taylor · Beginner · Oct 27, 2015 · 56m · ★★★★★ (15)



Introduction to MongoDB

<http://bit.ly/2ilwzHo>





Search Open Connections (Ctrl+F) ...

- local localhost:27017
 - customermanager
 - globomantics
 - local
 - mongoose4demo
 - virtualstandups
 - Collections (3)
 - projects
 - standups
 - teammembers
 - GridFS Buckets (0)
 - System (1)
 - volunteer-dev

standups

local localhost:27017 virtualstandups standups

Query

{}

Projection

{}

Sort

{}

Skip

Limit

Result Query Code Explain



50

Documents 1 to 13



JSON View



```
1 {
2   "_id" : ObjectId("5b99d45041fb05641c997e00"),
3   "_teamMemberId" : ObjectId("5b9ecf9a64f634289ca895bb"),
4   "teamMember" : "Mark",
5   "project" : "Trinity",
6   "workYesterday" : "workYesterday goes here",
7   "workToday" : "workToday goes here too",
8   "impediment" : "none",
9   "createdOn" : ISODate("2018-09-12T00:00:00.000+0000"),
10  "__v" : NumberInt(0)
11 }
12 {
13   "_id" : ObjectId("5b9ec8ac89bbd233f0b680c6"),
14   "_teamMemberId" : ObjectId("5b9eddc764f634289ca895ea"),
15   "teamMember" : "Mary",
16   "project" : "Matrix",
17   "workYesterday" : "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc est lectus, f
18   "workToday" : "Nulla nec dignissim mauris, sed dapibus dolor. Duis porttitor ullamcorper metus
19   "impediment" : "none",
20   "createdOn" : ISODate("2018-09-16T21:18:36.756+0000").
```



MongoDB Hosting Options



Install MongoDB — MongoDB M x +

← → ↺ 🏠

https://docs.mongodb.com/manual/installation/

☆ 8 | 🛠️ ⋮

mongoDB | Documentation ▾

MONGODB MANUAL

4.0 (current) ▾

Close x

Introduction

Installation

> Install MongoDB Community Edition

> Install MongoDB Enterprise

> Upgrade MongoDB Community to MongoDB Enterprise

📄 Verify Integrity of MongoDB Packages

The `mongo` Shell

MongoDB CRUD Operations

Aggregation

Data Models

Transactions

Indexes

Security

SERVER

DRIVERS

CLOUD

TOOLS

GUIDES

Download MongoDB ↓

🔍 Search Documentation

MongoDB Community Edition

Install on Linux

Install MongoDB Community Edition and required dependencies on Linux.

Install on macOS

Install MongoDB Community Edition on macOS systems from Homebrew packages or from MongoDB archives.

Install on Windows

Install MongoDB Community Edition on Windows systems and optionally start MongoDB as a Windows service.

MongoDB Enterprise

Install on Linux

Install the official builds of MongoDB Enterprise on Linux-based systems.

Install on macOS

Install the official build of MongoDB Enterprise on macOS

Install on Windows

Install MongoDB Enterprise on Windows using the `.msi` installer.

Upgrade Community Edition to Enterprise Edition

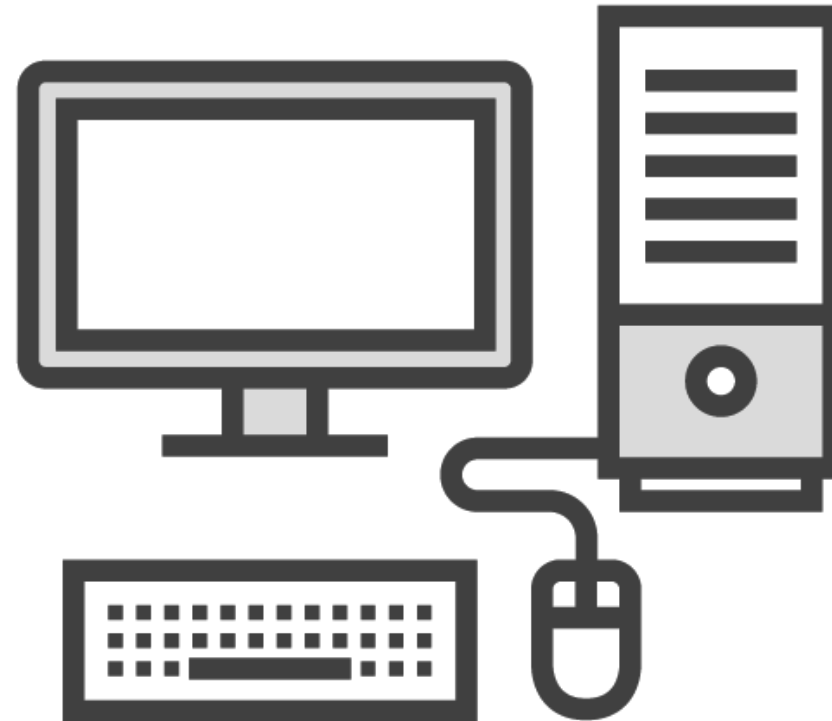
• Upgrade MongoDB Community to MongoDB Enterprise

Was this page helpful?

Commercially
available computer
systems

Scales well

Lots of options



Supported Platforms



32-bit x86

No longer supported



64-bit

Starting with version 3.4



MongoDB Download Center

You are currently previewing our new download center. [Switch to previous version.](#)

Cloud Servers Tools

Select the server you would like to run:

MongoDB Community Server

FEATURE RICH. DEVELOPER READY.

MongoDB Enterprise Server

ADVANCED FEATURES. PERFORMANCE GRADE.

Version

4.0.2 (current release)

OS

Windows 64-bit x64

• Release notes

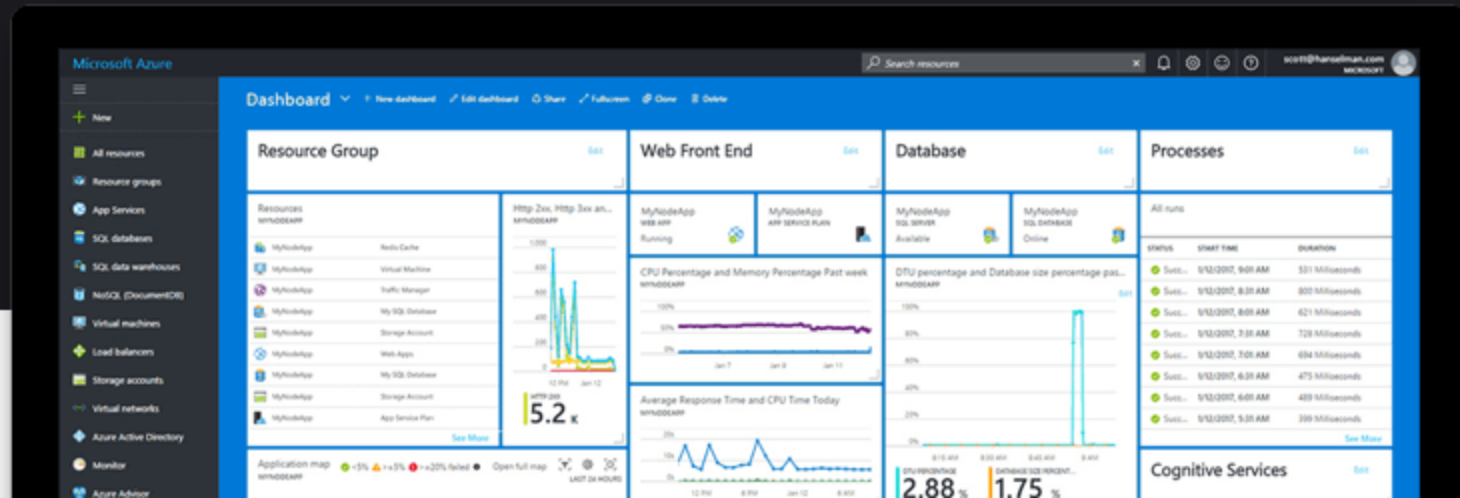
• Changelog

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Get started with 12 months of free services

Start free ➤

Or buy now ➤



Virtual Machine Options



Cost Effective

Can be cheaper than buying on-premises hardware



Requires Maintenance

You're still responsible for patches, updates, and security.



Database as a Service



mLab - mlab.com/home



MongoDB Atlas - www.mongodb.com/cloud/atlas



Compose - www.compose.com/databases/mongodb



[PLANS & PRICING](#)[DOCUMENTATION](#)[SIGN UP](#)[LOG IN](#)

	SANDBOX	SHARED	DEDICATED	
	Sandbox	Shared Cluster	Dedicated Cluster	Dedicated Single-Node
Compare Plan Features	FREE	from \$15	from \$180	from \$210
Cloud Hosting				
RAM	variable	variable	2 GB up to 244 GB	4 GB up to 244 GB
Included storage	0.5 GB	1 GB	varies	varies
Maximum storage	0.5 GB	8 GB	unlimited	unlimited
Ability to create multiple databases ¹			✓	✓
Free data transfer	✓	✓	✓	✓
Tenancing Options				
Dedicated mongod (your own server process)		✓	✓	✓
Dedicated virtual machine (RAM, CPU, I/O)			✓	✓
MongoDB				



mLab is becoming a part of MongoDB, Inc.

Posted on 10/09/2018

ANNOUNCEMENT

Today we are announcing that [mLab](#) is being acquired by [MongoDB, Inc.](#)

mLab's Story

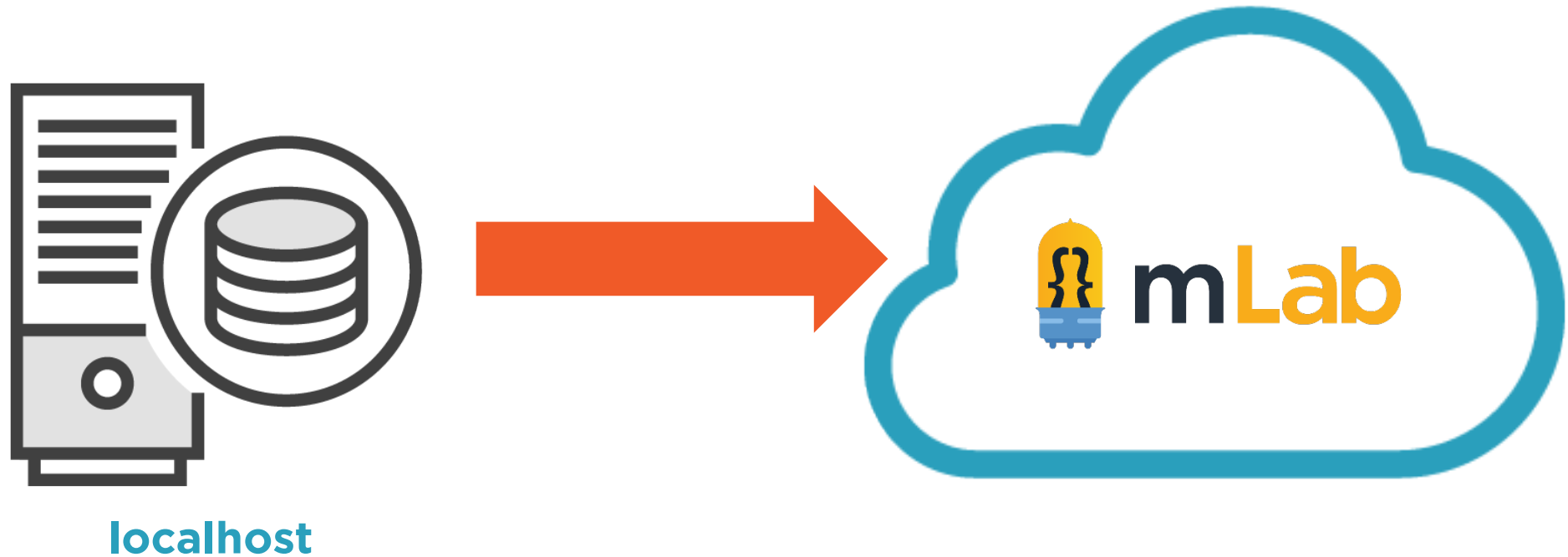
When we launched mLab in 2011 we were one of the first companies to offer a Database-as-a-Service.

The value proposition to developers was simple and powerful. Instead of self-hosting and managing what is arguably the most complex and difficult-to-manage layer of the application stack (the database), developers could use a cloud service for this critical piece of infrastructure. By doing so, developers could focus on their applications because the provisioning, scaling, backup, monitoring, and management of their

The Virtual Standups Database



Database Migration



Demo



Build the virtual standups database

Do you have MongoDB installed?

- Pause video
- Go to mongodb.com website
- Install appropriate version



Live demo place-holder



Next Steps



Download and install MongoDB



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Version

4.0.2 (current release)

OS

Windows 64-bit x64

• [Release notes](#)

• [Changelog](#)

Next Steps



Download and install MongoDB

Migration to the cloud

Setup a sandbox account

- mLab
- MongoDB Atlas
- Other service



Database as a Service



mLab - mlab.com/home



MongoDB Atlas - www.mongodb.com/cloud/atlas



Compose - www.compose.com/databases/mongodb

