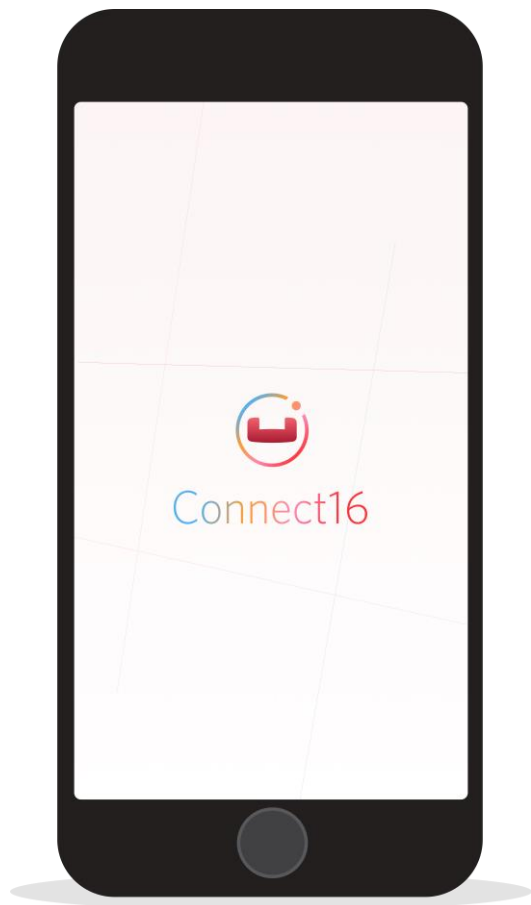


The Couchbase **Connect16** mobile app

Take our in-app survey!





Workshop 1 – Setting up Couchbase



- Installation locally
- Installation on cloud (Amazon / Azure)
- Installation with Docker
- Basic Configuration



Couchbase
DEVELOPER COMMUNITY



Part 1 – Installing Couchbase Server

- <http://couchbase.com/nosql-databases/downloads>
- USB thumb drives are available

Couchbase Server

Enterprise

Community

Tools

ENTERPRISE VERSION

4.5.0 (Current Release) ▾

[Install Instructions](#) • [Release Notes](#) • [What's New](#)

PLATFORMS

DOWNLOAD



Ubuntu 14.04

Download

md5



Ubuntu 12.04

Download

md5



Red Hat 7

Download

md5



Red Hat 6

Download

md5



Windows (Anniversary Not Supported)

Download

md5



Mac OSX (Sierra Not Supported)

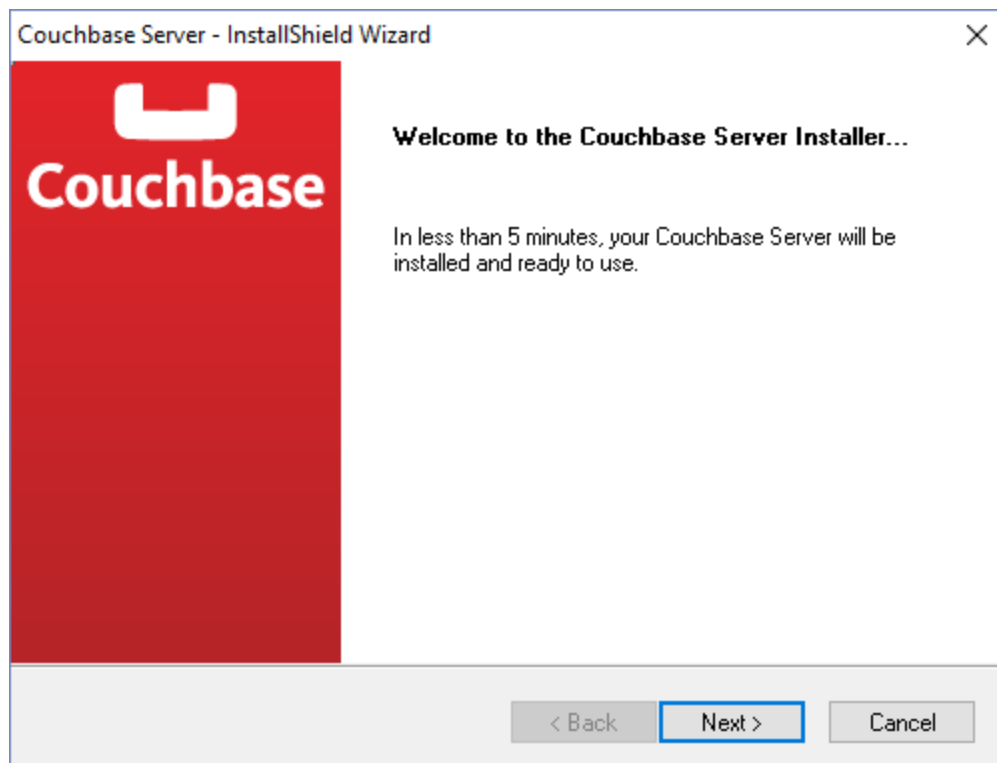
Download

md5

Couchbase Server Enterprise Edition represents the most stable, production-ready release and is recommended for commercial production systems or any evaluation that may eventually lead to a commercial production deployment.

It has features which aren't available in the Community Edition that support enterprise customers with large production deployments running in data centers and/or public clouds.

Our paid annual subscriptions for EE include a commercial license, technical support with service level commitments via our 24x7 support organization, and technical support and hot fixes for older releases.



Install on Cloud: Azure



- <https://azure.microsoft.com/en-us/marketplace/partners/couchbase/>
- <https://portal.azure.com>

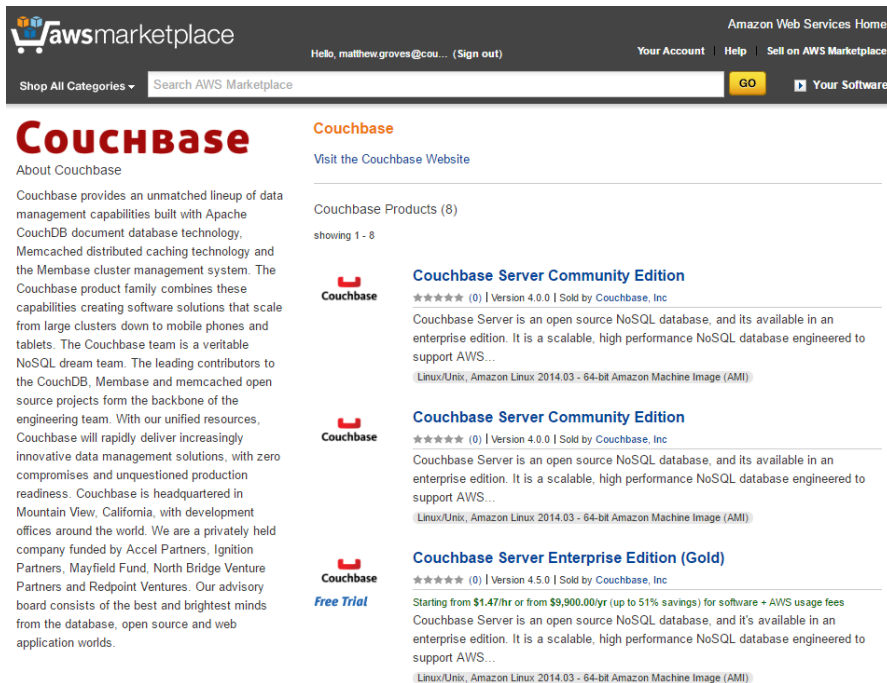
The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes 'Microsoft Azure', a dropdown menu, and a search bar labeled 'Search resources'. The left sidebar contains a 'New' button and a list of resource categories: Resource groups, All resources, Recent, App Services, Virtual machines (classic), Virtual machines, and SQL databases. The main area is divided into two panes. The left pane, titled 'Marketplace', shows a list of categories: Everything (selected), Compute, Networking, Storage, Web + Mobile, Databases, Intelligence + Analytics, and Internet of Things. The right pane, titled 'Everything', shows a search filter set to 'Couchbase'. Below the search bar, a table displays the search results.

NAME	PUBLISHER	CATEGORY
Couchbase Server 4.0.0 Community Edition	Couchbase	Compute
Couchbase Sync Gateway 1.3.0 EE (Silver)	Couchbase	Compute
Couchbase Server 4.5.0 Enterprise Edition (Gold)	Couchbase	Compute
Couchbase Server 4.5.0 Enterprise Edition (Silver)	Couchbase	Compute



- Select Couchbase Server, click Create
- Step 1 Basics: Name, user name, Auth type, Password, Subscription, Resource Group, Location
- Step 2 Size: Pick a size (4 cores, 4gb RAM recommended)
- Step 3 Settings:
 - Virtual network -> subnet name
 - Network security group -> add inbound rule (TCP, source port *, destination port *)
 - Network security group -> add outbound rule (TCP, destination port *, source port *)
- Step 4 Summary
- Step 5 Buy
- Wait for deployment
- Access Couchbase Console via the Public IP address, port 8091 (e.g. <http://168.1.2.3:8091>)
- Video: <http://blog.couchbase.com/2016/june/couchbase-on-the-microsoft-azure-marketplace-video>

- <https://aws.amazon.com/marketplace>
- <https://aws.amazon.com/marketplace/seller-profile?id=1ao64a14-5ac2-4980-9167-15746aabde72>



The screenshot shows the AWS Marketplace interface for Couchbase. At the top, there's a navigation bar with the AWS Marketplace logo, a user profile 'Hello, matthew.groves@cou...' with a '(Sign out)' link, and links for 'Your Account', 'Help', and 'Sell on AWS Marketplace'. Below the navigation bar is a search bar with the text 'Search AWS Marketplace' and a 'GO' button. The main content area features the Couchbase logo and a brief description: 'About Couchbase' and 'Couchbase provides an unmatched lineup of data management capabilities built with Apache CouchDB document database technology, Memcached distributed caching technology and the Membase cluster management system. The Couchbase product family combines these capabilities creating software solutions that scale from large clusters down to mobile phones and tablets. The Couchbase team is a veritable NoSQL dream team. The leading contributors to the CouchDB, Membase and memcached open source projects form the backbone of the engineering team. With our unified resources, Couchbase will rapidly deliver increasingly innovative data management solutions, with zero compromises and unquestioned production readiness. Couchbase is headquartered in Mountain View, California, with development offices around the world. We are a privately held company funded by Accel Partners, Ignition Partners, Mayfield Fund, North Bridge Venture Partners and Redpoint Ventures. Our advisory board consists of the best and brightest minds from the database, open source and web application worlds.'

Below the description, there's a section titled 'Couchbase Products (8)' with a 'showing 1 - 8' indicator. Three product listings are visible:

- Couchbase Server Community Edition**
★★★★★ (0) | Version 4.0.0 | Sold by Couchbase, Inc.
Couchbase Server is an open source NoSQL database, and its available in an enterprise edition. It is a scalable, high performance NoSQL database engineered to support AWS...
Linux/Unix, Amazon Linux 2014.03 - 64-bit Amazon Machine Image (AMI)
- Couchbase Server Community Edition**
★★★★★ (0) | Version 4.0.0 | Sold by Couchbase, Inc.
Couchbase Server is an open source NoSQL database, and its available in an enterprise edition. It is a scalable, high performance NoSQL database engineered to support AWS...
Linux/Unix, Amazon Linux 2014.03 - 64-bit Amazon Machine Image (AMI)
- Couchbase Server Enterprise Edition (Gold)**
★★★★★ (0) | Version 4.5.0 | Sold by Couchbase, Inc.
Starting from \$1.47/hr or from \$9,900.00/yr (up to 51% savings) for software + AWS usage fees
Couchbase Server is an open source NoSQL database, and it's available in an enterprise edition. It is a scalable, high performance NoSQL database engineered to support AWS...
Linux/Unix, Amazon Linux 2014.03 - 64-bit Amazon Machine Image (AMI)



- Select Couchbase Server, click Continue
- Choose pricing (4 cores, 4gb RAM recommended)
- Select VPC (or create new VPC)
- Select Security Group (or create new security group based on seller settings)
- Click "Accept"
- Wait for initialization (EC2 console)
- Access Couchbase Console via Public DNS port 8091 (e.g. <http://ec2-52-1-3-4.compute-1.amazonaws.com:8091>)

Install with Docker (offline)



- couchbase451.tar available on USB drives
- `docker load -i /the/path/to/couchbase451.tar`
- `docker tag c62ee511b6d1 couchbase:4.5.1`

```
Administrator: Windows PowerShell
PS C:\Users\mgroves\Desktop\Connect USB> docker load -i .\couchbase451.tar
a85f35566a26: Loading layer [=====>] 196.8 MB/196.8 MB
eaaf72983326: Loading layer [=====>] 209.9 kB/209.9 kB
33a212e8aa56: Loading layer [=====>] 7.168 kB/7.168 kB
f1f25d8c6e56: Loading layer [=====>] 4.608 kB/4.608 kB
67852b7d2cf5: Loading layer [=====>] 3.072 kB/3.072 kB
09d53474b440: Loading layer [=====>] 35.11 MB/35.11 MB
6d2a6bb1d390: Loading layer [=====>] 342 kB/342 kB
f1396a67bf33: Loading layer [=====>] 350.2 MB/350.2 MB
43853e11a447: Loading layer [=====>] 3.584 kB/3.584 kB
ff1f010e0254: Loading layer [=====>] 3.584 kB/3.584 kB
c196df572292: Loading layer [=====>] 4.608 kB/4.608 kB
bc3598a76848: Loading layer [=====>] 170 kB/170 kB
f2a12e4a1c06: Loading layer [=====>] 2.048 kB/2.048 kB
Loaded image ID: sha256:c62ee511b6d13583d724a664edbd7b0d595dd754895a3d45cbdb63cd66427c81
PS C:\Users\mgroves\Desktop\Connect USB> docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
<none>              <none>             c62ee511b6d1       10 days ago        569 MB
PS C:\Users\mgroves\Desktop\Connect USB> docker tag c62ee511b6d1 couchbase:4.5.1
PS C:\Users\mgroves\Desktop\Connect USB> docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
couchbase           4.5.1              c62ee511b6d1       10 days ago        569 MB
PS C:\Users\mgroves\Desktop\Connect USB>
```

- https://hub.docker.com/_/couchbase/
- couchbase:4.5.1
- `docker run -d --name db -p 8091-8094:8091-8094 -p 11207:11207 -p 11210-11211:11210-11211 -p 18091-18093:18091-18093 couchbase:4.5.1`
- `docker ps -a`

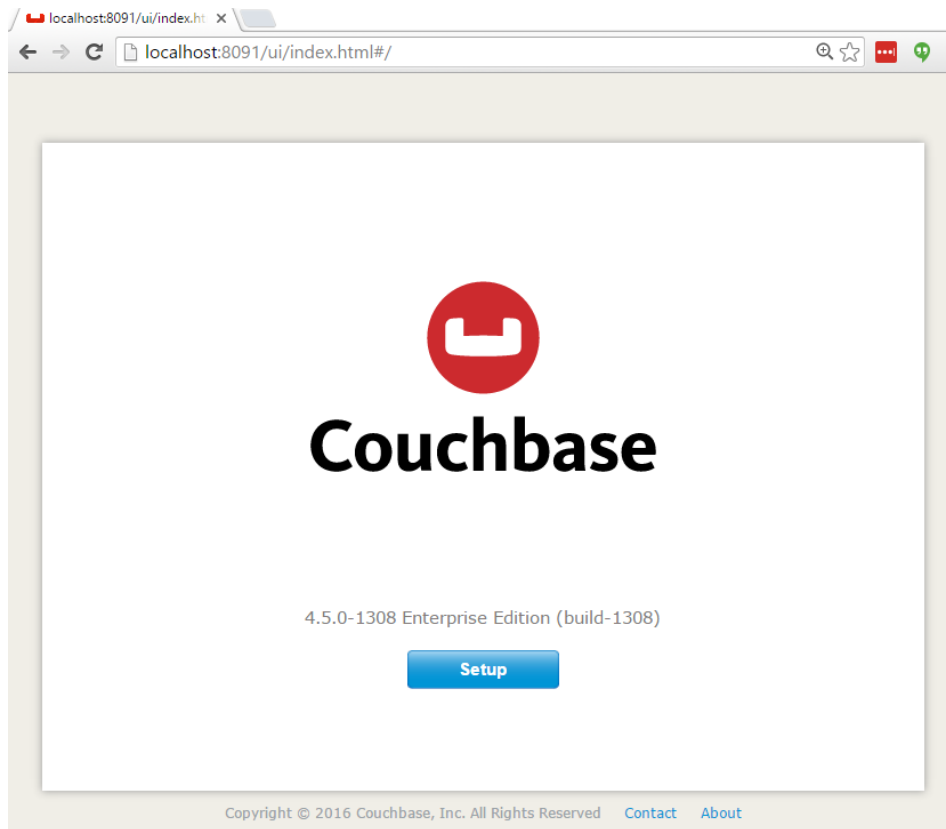
Administrator: Windows PowerShell

```
PS D:\> docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
b7c56af87d99	couchbase	"/entrypoint.sh couch"	7 days ago	Up 3 days	0.0.0.0:8091-8094->8	db

```
PS D:\>
```

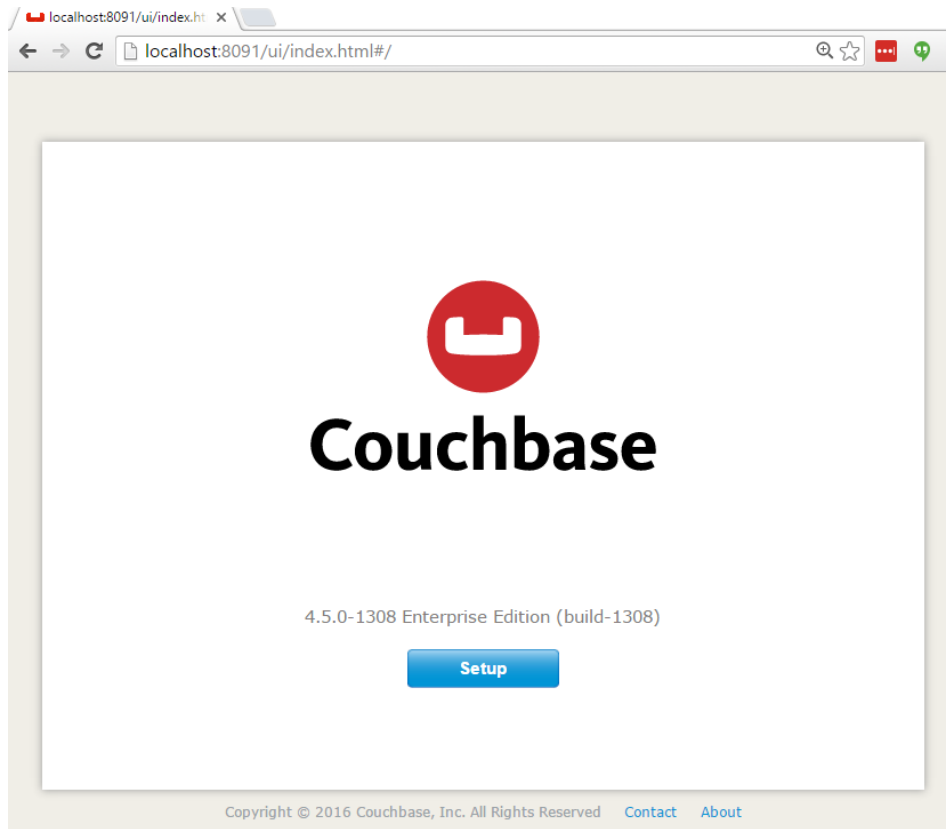
- <http://localhost:8091>





Part 2 – Configuring Couchbase Server

- <http://localhost:8091>



☒ Start a new cluster.

RAM Available: 18429 MB

Services: ☒ Data ☒ Index ☒ Query ☒ Full Text [What's this?](#)

Data RAM Quota: MB (min 256 MB) [What's this?](#)

Index RAM Quota: MB (min 256 MB) [What's this?](#)

Full Text RAM Quota: MB (min 256 MB) [What's this?](#)

Total Per Server: 1024 MB (must be less than 17405 MB)

Index Storage Setting: ☒ Global Index ☐ Memory-Optimized Global Index

SAMPLE BUCKETS

Step 2 of 5

Sample Data and Views

Sample buckets contain example data and Couchbase views. You can provision one or more sample buckets to help you discover the power of Couchbase Server. Sample buckets can be removed later from the bucket edit panel.

Available Samples

- ☐ beer-sample
- ☐ gamesim-sample
- ☐ travel-sample

Back

Next

CREATE DEFAULT BUCKET

Step 3 of 5

Bucket Settings

Bucket Name:

Bucket Type: ☒ Couchbase ☐ Memcached

Memory Size

Per Node RAM Quota: MB

Cluster quota (512 MB)

Other Buckets (100 MB)

This Bucket (412 MB)

Free (0 B)


Total bucket size = 412 MB (412 MB x 1 node)


CONFIGURE SERVER


Step 5 of 5

Secure this Server

Please create an administrator account for this Server. If you want to join other servers to this one to form a cluster, you will need to use these administrator credentials in the "join cluster" process.

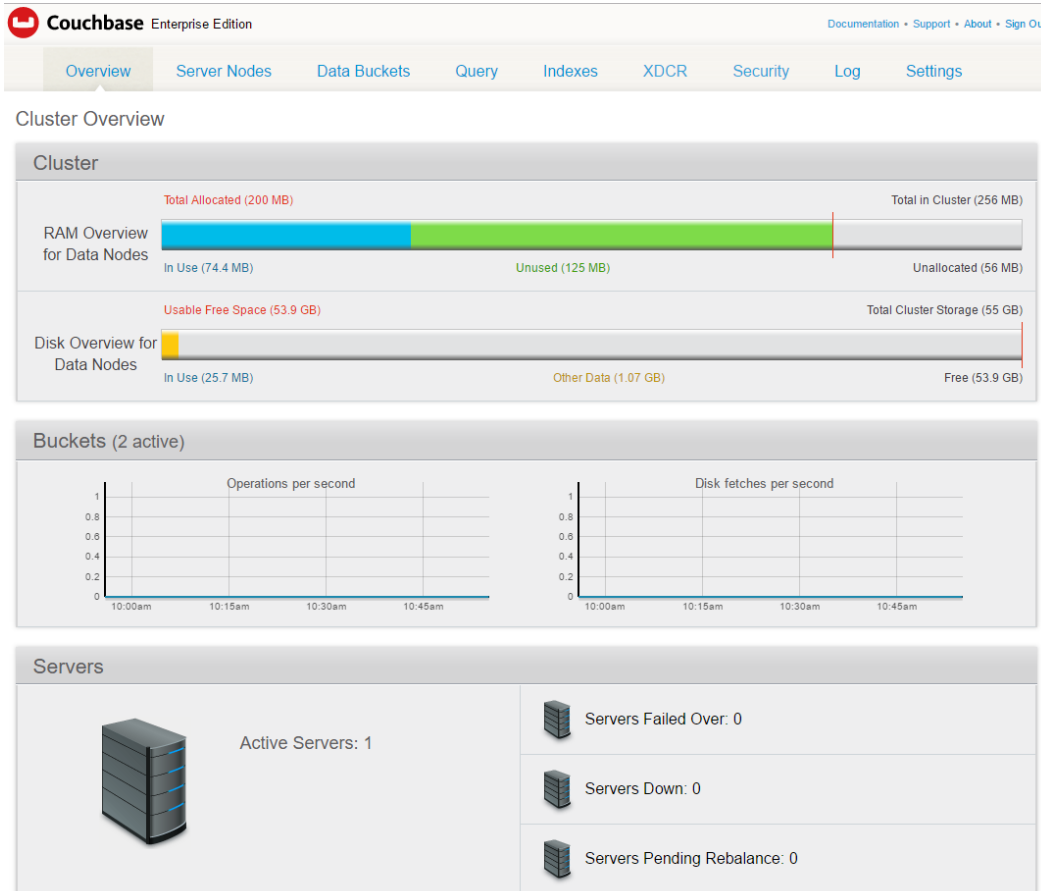
Username: 

Password: 

Verify Password: 

Back

Next





Questions