

```
docker pull couchbase
```

```
Using default tag: latest
latest: Pulling from library/couchbase
a5319f8e5f3f: Pull complete
10a83d6afdb3: Pull complete
a955fe360ffe: Pull complete
911e51334194: Pull complete
0b8a7f386059: Pull complete
1084ffb17cf8: Pull complete
49ca2c8f48ef: Pull complete
cbbd4a2f5d80: Pull complete
f5dfa9429a7a: Pull complete
dd10be5c4525: Pull complete
Digest: sha256:daea166ce4cf8c1b2472d3cfbd0fa6675f33f23eec4ed1e9ee6f66d5ebe40610
Status: Downloaded newer image for couchbase:latest
docker.io/library/couchbase:latest

What's Next?
View a summary of image vulnerabilities and recommendations → docker scout quickview couchbase
```

```
docker run -d --name couchbase_node1 -p 8091-8096:8091-8096 -p 11210-11211:11210-11211
couchbase
```

```
[docker run -d --name couchbase_node1 -p 8091-8096:8091-8096 -p 11210-11211:11210-11211 couchbase
6e695b943717a50fbc47080fe2160b2d0b713d6f55f011660a19543c1341dcc3]
```

```
docker run -d --name couchbase_node2 -p 7091-7096:8091-8096 -p 12210-12211:11210-11211
couchbase
```

```
[docker run -d --name couchbase_node2 -p 7091-7096:8091-8096 -p 12210-12211:11210-11211 couchbase
a27e85fae23f0ec6ba76ee0e24645929e7b5a02b31616b919fa1bbecb7426448]
```

```
docker run -d --name couchbase_node3 -p 6091-6096:8091-8096 -p 13210-13211:11210-11211
couchbase
```

```
[docker run -d --name couchbase_node3 -p 6091-6096:8091-8096 -p 13210-13211:11210-11211 couchbase
590384ac52a46288094774e1afac4fdb82484bc784200c394f7011624b8aa503]
```

```
docker run -d --name couchbase_node4 -p 5091-5096:8091-8096 -p 14210-14211:11210-11211
couchbase
```

```
[docker run -d --name couchbase_node4 -p 5091-5096:8091-8096 -p 14210-14211:11210-11211 couchbase
659748b891cf7ac1684e1ac57be6082ea5b6b96ef3cd35a5844ba09d0f2c8913]
```

```
docker run -d --name couchbase_node5 -p 4091-4096:8091-8096 -p 15210-15211:11210-11211
couchbase
```

```
[docker run -d --name couchbase_node5 -p 4091-4096:8091-8096 -p 15210-15211:11210-11211 couchbase
e03c09de549714e1a765d14514222a4ae70ef0752b3186a14a911ae41e438a0a]
```

```
docker run -d --name couchbase_node6 -p 3091-3096:8091-8096 -p 16210-16211:11210-11211
couchbase
```

```
[docker run -d --name couchbase_node6 -p 3091-3096:8091-8096 -p 16210-16211:11210-11211 couchbase
df463be4427f7ce3c4f323447b36012adbd95c6d5eeb751da7cd26e2ba1be57e]
```

```
docker inspect --format '{{ .NetworkSettings.IPAddress }}' couchbase_node1
```

```
[docker inspect --format '{{ .NetworkSettings.IPAddress }}' couchbase_node1
172.17.0.2
```

```
docker inspect --format '{{ .NetworkSettings.IPAddress }}' couchbase_node2
[docker inspect --format '{{ .NetworkSettings.IPAddress }}' couchbase_node2
172.17.0.3
```

```
docker inspect --format '{{ .NetworkSettings.IPAddress }}' couchbase_node3
[docker inspect --format '{{ .NetworkSettings.IPAddress }}' couchbase_node3
172.17.0.4
```

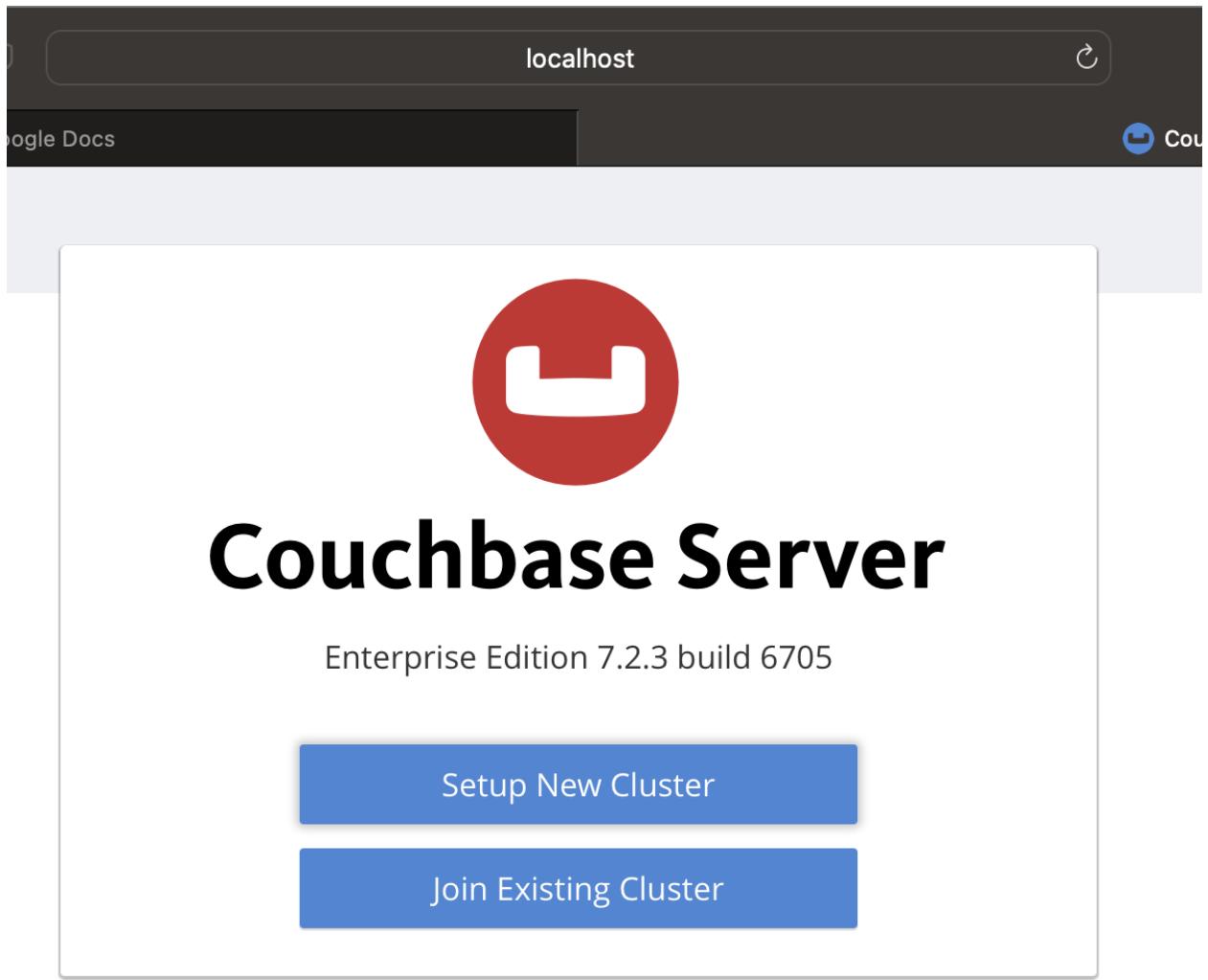
```
docker inspect --format '{{ .NetworkSettings.IPAddress }}' couchbase_node4
[docker inspect --format '{{ .NetworkSettings.IPAddress }}' couchbase_node4
172.17.0.5
```

```
docker inspect --format '{{ .NetworkSettings.IPAddress }}' couchbase_node5
[docker inspect --format '{{ .NetworkSettings.IPAddress }}' couchbase_node5
172.17.0.6
```

```
docker inspect --format '{{ .NetworkSettings.IPAddress }}' couchbase_node6
[docker inspect --format '{{ .NetworkSettings.IPAddress }}' couchbase_node6
172.17.0.7
```

CLUSTER - 1

Couchbase_node1



Couchbase > New Cluster

Cluster Name
CLUSTER_1

Create Admin Username
Administrator

Create Password
.....

Confirm Password
..... 

< Back Next: Accept Terms

CLUSTER_1 > Dashboard

You have no data buckets. Go to [Buckets](#) to add one, or load a sample bucket with data & indexes from Settings > [Sample Buckets](#).

activity help ▾ Administrator ▾

Enterprise Edition 7.2.3 build 6705 · IPv4 © 2022 Couchbase, Inc.

[Dashboard](#)
[Servers](#)
[Buckets](#)
[Backup](#)
[XDCR](#)
[Security](#)
[Settings](#)
[Logs](#)

[Documents](#)
[Query](#)
[Indexes](#)
[Search](#)
[Analytics](#)
[Eventing](#)
[Views](#)

 Data - 0 buckets  Index  Query  Search  Analytics  Eventing  XDCR
 1 active node  0 failed-over nodes  0 nodes pending rebalance  0 inactive nodes

The screenshot shows the Couchbase Server interface for a cluster named 'CLUSTER_1'. The left sidebar contains navigation links for Dashboard, Servers, Buckets, Backup, XDCR, Security, Settings, Logs, and Documents. Under 'Servers', the IP '172.17.0.2' is selected. The main panel displays a table with columns: name, group, services, CPU, RAM, swap, disk used, and items. The row for '172.17.0.2' shows 'Group 1' and various service status metrics. A 'Rebalance' button is located in the top right corner.

Couchbase_node2

The screenshot shows the 'Add Server Node' dialog box over the Couchbase Server interface. The dialog has fields for Hostname/IP Address (set to '172.17.0.2'), Username ('Administrator'), Password, and Services (checkboxes for Data, Index, Query, Search, Analytics, Eventing, and Backup, all of which are checked). A warning message at the top states: 'Warning: Adding a server to this cluster means any previous Couchbase Server data on that server will be removed.' Another message below says: 'This cluster is using self-signed certificates. No peer verification between nodes will be done.' An attention note at the bottom says: 'Attention: Hostname/IP Address cannot be blank.' At the bottom of the dialog are 'Cancel' and 'Add Server' buttons.

CLUSTER_1 > Servers

Add Server Node

Warning: Adding a server to this cluster means any previous Couchbase Server data on that server will be removed.

This cluster is using self-signed certificates. No peer verification between nodes will be done.

Hostname/IP Address
172.17.0.3

Username a user with admin access to this server
Administrator

Password

Services Data Index Query Search Analytics Eventing Backup Customize disk storage paths (this node)

Data Disk Path /opt/couchbase/var/lib/couchbase/data
Path cannot be changed after setup
Free: 50 GiB

Indexes Disk Path Path cannot be changed after setup

Groups **Failover** **Add Server** **Rebalance**

CLUSTER_1 > Servers

Groups **Failover** **Add Server** **Rebalance**

name	group	services	CPU	RAM	swap	disk used	items	Statistics
172.17.0.2	Group 1	data query index search backup	1.4%	60.1%	0.0%	---	0/0	Statistics
172.17.0.3	Group 1	data query index search backup	0.5%	58.9%	0.0%	---	0/0	Statistics

New node | Not available for traffic | REBALANCE to finish adding node

Cancel Add

Dashboard **Servers** **Buckets** **Backup** **XDCR** **Security** **Settings** **Logs**

Documents **Query** **Indexes** **Search** **Analytics** **Eventing** **Views**

CLUSTER_1 > Servers

activity help Administrator

GROUPS FAILOVER ADD SERVER

Dashboard filter servers... Rebalance

Servers

name	group	services	CPU	RAM	swap	disk used	items	
172.17.0.2	Group 1	data query index search backup	2.0%	62.2%	0.0%	---	0/0	Statistics
172.17.0.3	Group 1	data query index search backup	1.6%	62.1%	0.0%	---	0/0	Statistics

Buckets

Backup

XDCR

Security

Settings

Logs

Documents

Query

Indexes

Search

Analytics

Eventing

Views

Rebalance
start 16 Dec 16:26:34 complete 16 Dec 16:26:45 status completed

✓ Rebalance completed successfully. Download Report

Data	completed 00:00 ✓
Search	completed 00:00 ✓
Index	completed 00:10 ✓
Backup	completed 00:00 ✓
Query	completed 00:00 ✓

Untitled document - Google Docs CLUSTER_1 - Enterprise Edition 7.2.3 build 6705

activity help Administrator

GROUPS FAILOVER ADD SERVER

CLUSTER_1 > Servers

Dashboard filter servers...

Servers

name
172.17.0.2
172.17.0.3

Buckets

Backup

XDCR

Security

Settings

Logs

Documents

Query

Indexes

Search

Analytics

Eventing

Views

Add Server Node

Warning: Adding a server to this cluster means any previous Couchbase Server data on that server will be removed.

This cluster is using self-signed certificates. No peer verification between nodes will be done.

Hostname/IP Address

172.17.0.4

Username a user with admin access to this server

Administrator

Password

Services ⓘ

Data

Index

Query

Search

Analytics

Eventing

Backup

Customize disk storage paths (this node)

Data Disk Path Path cannot be changed after setup

/opt/couchbase/var/lib/couchbase/data

Free: 50 GiB

Indexes Disk Path Path cannot be changed after setup

Couchbase_node3

CLUSTER_1 > Servers

filter servers...									Rebalance
	name ▲	group	services	CPU	RAM	swap	disk used	items	
	172.17.0.2	Group 1	data query index search backup	1.1%	62.4%	0.0%	---	0/0	Statistics
	172.17.0.3	Group 1	data query index search backup	0.9%	62.4%	0.0%	---	0/0	Statistics
	172.17.0.4	Group 1	data query index search backup	0.6%	62.4%	0.0%	---	0/0	Statistics
New node Not available for traffic REBALANCE to finish adding node									Cancel Add

CLUSTER_1 > Servers

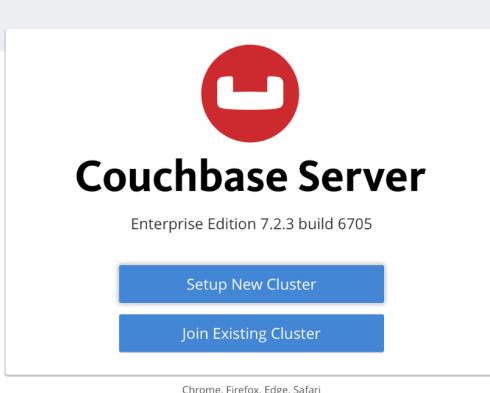
filter servers...									Rebalance
	name ▲	group	services	CPU	RAM	swap	disk used	items	
	172.17.0.2	Group 1	data query index search backup	1.1%	62.8%	0.0%	---	0/0	Statistics
	172.17.0.3	Group 1	data query index search backup	1.6%	66.3%	0.0%	---	0/0	Statistics
	172.17.0.4	Group 1	data query index search backup	0.6%	62.8%	0.0%	---	0/0	Statistics

Rebalance
start 16 Dec 16:28:27 complete 16 Dec 16:28:34 status completed

✓ Rebalance completed successfully. Download Report

Data	completed 00:00 ✓
Search	completed 00:00 ✓
Index	completed 00:06 ✓
Backup	completed 00:00 ✓
Query	completed 00:00 ✓

CLUSTER - 2





Couchbase > New Cluster

Cluster Name

CLUSTER2

Create Admin Username

Administrator

Create Password

.....

Confirm Password

.....



< Back

Next: Accept Terms

Clusternode 4



Couchbase > New Cluster > Configure

Host Name / IP Address

Fully-qualified domain name

172.17.0.5

enable node-to-node encryption (i)

IP Family Preference (i)

IPv4 IPv6 IPv4-only IPv6-only

Service Memory Quotas (i)

Per service / per node

Data

2358

MiB

Query

Index

512

MiB

Search

256

MiB

Analytics

1196

MiB

Eventing

256

MiB

Backup

< Back

Save & Finish



Couchbase > New Cluster

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Share usage information and get software update notifications.

[<< Back](#)

[Finish With Defaults](#)

[Configure Disk, Memory, Services](#)

CLUSTER_2 > Servers

Dashboard filter servers... Rebalance

Servers Buckets Backup XDCR Security Settings Logs

Buckets

Backup

XDCR

Security

Settings

Logs

Documents

Query

Indexes

Search

Analytics

Eventing

Views

name	group	services	CPU	RAM	swap	disk used	items
172.17.0.5	Group 1	data index search backup	0.9%	66.3%	0.1%	---	0/0

Statistics

Clusternode 5

CLUSTER_2 > Servers Add Server Node X

Warning: Adding a server to this cluster means any previous Couchbase Server data on that server will be removed.

This cluster is using self-signed certificates. No peer verification between nodes will be done.

Hostname/IP Address: 172.17.0.6

Username: a user with admin access to this server
Administrator

Password:

Services ⓘ

Data
 Index
 Query
 Search
 Analytics
 Eventing
 Backup

Customize disk storage paths (this node)

Cancel Add Server

CLUSTER_2 > Servers

activity help Administrator

GROUPS FAILOVER ADD SERVER

Dashboard

Servers

Buckets

Backup

XDCR

Security

Settings

Logs

Documents

Query

Indexes

Search

Analytics

Eventing

Views

filter servers...

Rebalance

name	group	services	CPU	RAM	swap	disk used	items	
172.17.0.5	Group 1	data index search backup	0.7%	68.7%	0.1%	---	0/0	Statistics
172.17.0.6	Group 1	data query index search backup	0.0%	---	---	---	0/0	Statistics

New node | Not available for traffic | REBALANCE to finish adding node

Cancel Add

CLUSTER_2 > Servers

activity 1 help Administrator

Stop Rebalance

Dashboard

Servers

Buckets

Backup

XDCR

Security

Settings

Logs

Documents

Query

Indexes

Search

Analytics

Eventing

Views

filter servers...

name	group	services	CPU	RAM	swap	disk used	items	
172.17.0.5	Group 1	data index search backup	0.8%	69.3%	0.2%	---	0/0	Statistics
172.17.0.6	Group 1	data query index search backup	0.5%	69.2%	0.2%	---	0/0	Statistics

Rebalance
start 16 Dec 16:45:57 status in progress

Data	completed 00:00
Search	completed 00:00
Index	elapsed 00:08
Backup	---
Query	---

Clusternode 6

The screenshot shows the Couchbase Server management interface. On the left, a sidebar menu includes options like Dashboard, Servers, Buckets, Backup, XDCR, Security, Settings, Logs, Documents, Query, Indexes, Search, Analytics, Eventing, and Views. The 'Servers' option is currently selected. In the main content area, there is a modal dialog titled 'Add Server Node'. The dialog contains a warning message: 'Warning: Adding a server to this cluster means any previous Couchbase Server data on that server will be removed.' It also states: 'This cluster is using self-signed certificates. No peer verification between nodes will be done.' Below these messages, there are fields for 'Hostname/IP Address' (containing '172.17.0.7'), 'Username' (containing 'Administrator'), and 'Password' (containing a masked password). A section for 'Services' is present with checkboxes for Data, Index, Query, Search, Analytics, Eventing, and Backup. The 'Data', 'Index', 'Query', 'Search', and 'Backup' checkboxes are checked. There is also an unchecked checkbox for 'Customize disk storage paths (this node)'. At the bottom of the dialog are 'Cancel' and 'Add Server' buttons. The background shows a list of existing servers: '172.17.0.5' and '172.17.0.6'. To the right of the dialog, there are buttons for 'GROUPS', 'FAILOVER', and 'ADD SERVER', and a 'Rebalance' button.

The screenshot shows the Couchbase Server management interface after a new node has been added. The sidebar and overall layout are identical to the previous screenshot. The main content area now displays three servers in the list: '172.17.0.5', '172.17.0.6', and '172.17.0.7'. The '172.17.0.7' entry is highlighted with an orange border. A red message at the bottom of the list states: 'New node | Not available for traffic | REBALANCE to finish adding node'. A 'Cancel Add' button is visible in the bottom right corner of the list area. The background elements, including the 'GROUPS', 'FAILOVER', and 'ADD SERVER' buttons, remain the same.

The screenshot shows the Couchbase Server Management interface. The left sidebar has a 'Servers' tab selected. The main table lists three servers:

name	group	services	CPU	RAM	swap	disk used	items	Statistics
172.17.0.5	Group 1	data index search backup	0.9%	73.1%	1.5%	---	0/0	Statistics
172.17.0.6	Group 1	data query index search backup	1.0%	73.1%	1.5%	---	0/0	Statistics
172.17.0.7	Group 1	data query index search backup	0.6%	73.1%	1.5%	---	0/0	Statistics

A yellow 'Rebalance' button is at the top right. A modal window titled 'Rebalance' shows the message: 'start 16 Dec 16:47:18 complete 16 Dec 16:47:24 status completed'. It also shows a green checkmark and the message 'Rebalance completed successfully.' with a 'Download Report' button.

**Cluster creation completed
2 clusters with 3 nodes each**

CREATION OF BUCKET IN CLUSTER 1

The screenshot shows the Futon interface for Apache CouchDB. The title bar reads "CLUSTER_1 > Buckets". The left sidebar has a vertical navigation menu:

- Dashboard
- Servers
- Buckets** (selected)
- Backup
- XDCR
- Security
- Settings
- Logs
- Documents
- Query
- Indexes
- Search
- Analytics
- Eventing
- Views

The main content area contains the following text:

You have no data buckets. Use "ADD BUCKET" above to create one, or load a [sample bucket](#) with data & indexes.

A blue "ADD BUCKET" button is located in the top right corner of the main content area.

CLUSTER_1 > Buckets

Add Data Bucket

Name: WIKIPEDIA

Bucket Type: Couchbase

Storage Backend: CouchStore

Memory Quota: 2358 MiB

other buckets (0B) this bucket (6.9GiB) available (0B)

Cancel Add Bucket

CLUSTER_1 > Buckets

ADD BUCKET

filter buckets...						
	name	items	resident	ops/sec	RAM used/quota	disk used
	WIKIPEDIA	0	100%	0	56.9MiB / 6.9GiB	5.82MiB
					Documents	Scopes & Collections

CREATION Of DOCUMENT in cluster 1

CLUSTER_1 > Documents

Workbench Import

Keyspace bucket.scope.collection
WIKIPEDIA _default _default

Limit 10 Offset 0 Document ID optional... show range N1QL WHERE

No Results for WIKIPEDIA._default._default, limit: 10, offset: 0

enable field editing < prev batch | next batch >

No Results

CLUSTER_1 > Documents

Workbench Import

Select File to Import... tab/comma delimited or JSON list/lines file format details

chunk1.csv (57.291 MiB)

Parse File As CSV found 93386 records

Keyspace bucket.scope.collection
WIKIPEDIA _default _default

Import With Document ID
 UUID
 Value of Field:
id

For faster performance, or datasets greater than 100MB, use the command-line tool `cbimport`.

```
cbimport csv --infer-types -c http://localhost:8091 -u <login> -p <password> -d 'file://chunk1.csv' -b 'WIKIPEDIA' --scope-collection-exp '_default:_default' -g '#UUID#'
```

command generated from your file, destination, and ID selections on the left

File Contents Raw File Parsed Table Parsed JSON

id	revid	text
68607256	24134703	In 1519, a joint Spanish-Italian attack on Algiers was ordered by Charles V and commanded by Hugo de Moncada. This expedition ended in disaster. The Viceroy of Sicily Hugo de Moncada ordered to organise an expedition to conquer Algiers by Charles V. This attack took place in August 1519. A previous Spanish attack had been defeated in 1516 by Oruç Reis, the brother of Hayreddin Barbarossa. Hayreddin Barbarossa was ready to oppose this expedition with his forces. Hayreddin Barbarossa successfully routed the Spanish-Italian attack, resulting in shipwreck and massacre. The leader of the expedition, Hugo de Moncada, managed to escape by hiding in the corpses ashore. 3,036 Spaniards were captured. When Charles V offered a sum of money to the captured officers, Barbarossa had all of the captives executed. When Barbarossa was offered another sum of money for the return of the dead bodies, he had the bodies thrown into the sea so that "if the relatives of any of the dead came to Algiers, they would not know the burial place of their father or brother, nor be able to see the ashes, but only the waves." Another expedition against Algiers was led by Hugo de Moncada yet again in 1523. Hayreddin Barbarossa had a captured the Pehón de Vélez de la Gomera in 1522 and severely defeated an attempt to recapture it three years later.
68607307	1452133	
68607327	1114046302	The Ambidravi (Gaulish: "Ambidraui", 'those around the Dravus') were a Gallic tribe dwelling around the upper Drava river, near Teurnia (Switzerland), during the Roman period. Name "

Import Data

CLUSTER_1 > Documents

ADD DOCUMENT

Workbench ▾ Import

Keypath bucket.scope.collection
WIKIPEDIA ▾ _default ▾ _default ▾ Limit ① 10 Offset ① 0 Document ID ① show range N1QL WHERE ① optional... no indexes available... Retrieve Docs

10 Results for WIKIPEDIA._default._default, limit: 10, offset: 0

enable field editing < prev batch | next batch >

	id	content
	00021f3e-822d-43f9-afa1-f6c60e40bb9b	{"id":74899248,"revid":11509621,"text":"","title":"Analytic-continental divide","url":"https://en.wikipedia.org/w/index.php?curid=74899248"}
	0003304c-9c47-437b-8192-38ad7a1cf780	{"id":73363979,"revid":25829265,"text":"","title":"Abbosbek Fayzullayev","url":"https://en.wikipedia.org/w/index.php?curid=73363979"}
	00039793-71fa-4044-9ad8-f7371499ffff	{"id":69170308,"revid":1261736,"text":"","title":"António André da Silva Topa (2 September 1954 – 31 October 2017) was a Portuguese politician and engineer. A member of the Social Democratic Party, he served in ..."}
	0003c174-ccea-49b0-82d2-d8ba0d299e31	{"id":70848973,"revid":1325337,"text":"","title":"Angela Lynn Douglas (originally Douglas Carl Czink) was an American transgender activist and singer. She was a transgender woman who performed as a rock musical artist under the stage name 'Angela'."}
	0004aa12-2f63-4c5f-80a1-984daba4d756	{"id":74449574,"revid":41195652,"text":"","title":"Alfred High School (Rajkot)","url":"https://en.wikipedia.org/w/index.php?curid=74449574"}
	00064f37-bd6e-48eb-a9f1-4ab675da112a	{"id":71742349,"revid":70274,"text":"Achilles was built at Sunderland in 1799. Although early on she was a ship's hull, she was later converted into a steamship and became a cargo vessel."}
	00072a49-e812-42c8-8d65-aafcea4470c1	{"id":70353234,"revid":28796187,"text":"Avo-Himm Loover (16 August 1941 – 1 May 2002) was an East Timorese architect. He was one of the members of artistic collective 'The Alliance for Change and Progress (AMP)'."}
	00075fc7-d733-41e3-a4d1-3f9b5408efc2	{"id":71014979,"revid":27015025,"text":"The Alliance for Change and Progress (AMP) () was a three-party political alliance in East Timor. Until 1 February 2018, the alliance was called Parliamentary Majority ..."}
	00078aa9-3f8c-4b3c-a41b-451171331fb4	{"id":68798177,"revid":10274643,"text":"","title":"A873 CA","url":"https://en.wikipedia.org/w/index.php?curid=68798177"}
	00078d90-c5df-4e67-9394-8955660727cf	{"id":74921309,"revid":1121468,"text":"Automatotoys is a 2022 mobile video game developed by Idle Fingers. Described as a 'unique, mechanical obstacle course', the game is a puzzle game in which the player controls a small robot that must navigate through various obstacles using its ability to flip over and roll forward or backward."}

There are items in bucket now

CLUSTER_1 > Buckets

ADD BUCKET

activity help ▾ Administrator ▾

Dashboard filter buckets... Buckets

name	items	resident	ops/sec	RAM used/quota	disk used	Documents	Scopes & Collections
WIKIPEDIA	93,386	100%	0	213MiB / 6.9GiB	147MiB		

Date is shredded between each node

The screenshot shows the Apache CouchDB Management Interface. The left sidebar has a 'Servers' tab selected. The main area displays a table of servers:

name	group	services	CPU	RAM	swap	disk used	items	Actions
172.17.0.2	Group 1	data query index search backup	2.2%	83.8%	78.5%	41.1MiB	31K/31.2K	Statistics
172.17.0.3	Group 1	data query index search backup	1.6%	83.9%	77.5%	42.9MiB	31.2K/30.9K	Statistics
172.17.0.4	Group 1	data query index search backup	1.5%	83.8%	78.5%	63.1MiB	31K/31.2K	Statistics

60 MB OF CHUNK UPLOADED

NOW CREATING EMPTY BUCKET IN
CLUSTER 2

CLUSTER_2 > Buckets

activity help ▾ Administrator ▾ ADD BUCKET

Dashboard
Servers
Buckets
Backup
XDCR
Security
Settings
Logs

Documents
Query
Indexes
Search
Analytics
Eventing
Views

You have no data buckets. Use "ADD BUCKET" above to create one, or load a sample bucket with data & indexes.

CLUSTER_2 > Buckets

activity help ▾ Administrator ▾ ADD BUCKET

You have no data buckets. Use "ADD BUCKET" above to create one, or load a sample bucket with data & indexes.

Add Data Bucket X

Name authorized users

Bucket Type
 Couchbase Memcached Ephemeral

Storage Backend
 CouchStore Magma

Memory Quota in megabytes per server node
2358 MiB

other buckets (0B) this bucket (6.9GiB) available (0B)

Advanced bucket settings

Cancel Add Bucket

CLUSTER_2 > Buckets

ADD BUCKET

	name ▲	items	resident	ops/sec	RAM used/quota	disk used	Documents	Scopes & Collections
	WIKIPEDIA	0	100%	0	0B / 6.9GiB	34B		

**NOW CREATING REFERENCE IN
CLUSTER 1 for replication to
CLUSTER2**

CLUSTER_1 > XDCR Replications

activity help ▾ Administrator ▾ ADD REMOTE

Dashboard
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Remote Clusters

No remote clusters defined. Use ADD REMOTE to set one up.

Outgoing Replications

There are currently no replications defined.

CLUSTER_1 > XDCR Replications

activity help ▾ Administrator ▾ ADD REMOTE

Remote Clusters

Outgoing Replications

Add Remote Cluster

Cluster Name: CLUSTER_2

IP/Hostname: 172.17.0.5

Username for Remote Cluster: Administrator

Password: 

Enable Secure Connection

Cancel Save

The screenshot shows the Couchbase Server management interface. The top navigation bar includes 'activity', 'help ▾', 'Administrator ▾', 'ADD REPLICATION', and 'ADD REMOTE'. The main title is 'CLUSTER_1 > XDCR Replications'. On the left, a sidebar menu lists various sections: Dashboard, Servers, Buckets, Backup, **XDCR**, Security, Settings, Logs, Documents, Query, Indexes, Search, Analytics, Eventing, and Views. The 'XDCR' section is currently selected. The main content area displays 'Remote Clusters' with one entry: CLUSTER_2 (IP: 172.17.0.5:8091). Below this, the 'Outgoing Replications' section indicates 'There are currently no replications defined. Use ADD REPLICATION to set one up.'

**Now connection is created now going
add replication reference**

CLUSTER_1 > XDCR Add Replication

activity help Administrator BACK

Dashboard Servers Buckets Backup XDCR Security Settings Logs Documents Query Indexes Search Analytics Eventing Views

Replicate From Bucket: WIKIPEDIA > Remote Bucket: WIKIPEDIA Remote Cluster: CLUSTER_2

The bucket **WIKIPEDIA** will be replicated to the bucket **WIKIPEDIA** on the remote cluster **CLUSTER_2**. Missing targets on the remote will be ignored and that data will not be replicated.

Filter Replication
 Specify Scopes, Collections, and Mappings
 Use Migration Mode ⓘ

Advanced Settings

Save Replication Cancel/Reset

IT'S starts replicating one way

DSD PROJECT COUCHBASE - Google Docs CLUSTER_1 - Enterprise Edition 7.2.3 build 6705 CLUSTER_2 - Enterprise Edition 7.2.3 build 6705 activity help Administrator ADD REPPLICATION ADD REMOTE

CLUSTER_1 > XDCR Replications

Remote Clusters

name	IP/hostname
CLUSTER_2	172.17.0.5:8091

Outgoing Replications

source bucket	destination bucket	remote cluster	status
WIKIPEDIA	WIKIPEDIA	CLUSTER_2	replicating ...

IF check cluster 2 there is data after replication

The screenshot shows the Apache CouchDB Futon interface for managing documents in a database named 'CLUSTER_2'. The left sidebar has a 'Documents' section selected, which includes links for Query, Indexes, Search, Analytics, Eventing, and Views. The main content area displays a table of 10 results for the query 'Keyspace bucket.scope.collection' set to 'WIKIPEDIA _default _default'. The table columns include 'id' and a preview icon. Each row shows a document ID and a detailed JSON object. The JSON objects represent various Wikipedia articles, such as 'Analytic-continental divide', 'Abbosbek Fayzullayev', 'António André da Silva Topa', 'Angela Lynn Douglas', 'Alfred High School (Rajkot)', 'Achilles', 'Avó-Himm Loover', 'The Alliance for Change and Progress', 'A873 CA', and 'Automatoids'. The interface also includes a 'Workbench' tab, an 'Import' button, and various search and filter options at the top.

id	Document
00021f3e-822d-43f9-afa1-f6c60e40bb9b	{"id":74899248,"revid":11509621,"text":"","title":"Analytic-continental divide","url":"https://en.wikipedia.org/w/index.php?curid=74899248"}
0003304c-9c47-437b-8192-38ad7a1cf780	{"id":73363979,"revid":25829265,"text":"","title":"Abbosbek Fayzullayev","url":"https://en.wikipedia.org/w/index.php?curid=73363979"}
00039793-71fa-4044-9ad8-f7371499fff1	{"id":69170308,"revid":1261736,"text":"António André da Silva Topa (2 September 1954 – 31 October 2013) was a Portuguese politician and engineer. A member of the Social Democratic Party, he served in ..."}
0003c174-ccea-49b0-82d2-d8ba0d299e31	{"id":70848973,"revid":1325337,"text":"Angela Lynn Douglas (originally Douglas Carl Czink) was an American transgender activist and singer. She was a transgender woman who performed as a rock musicia..."}
0004aa12-2f63-4c5f-80a1-984daba4d756	{"id":74449574,"revid":41195652,"text":"","title":"Alfred High School (Rajkot)","url":"https://en.wikipedia.org/w/index.php?curid=74449574"}
00064f37-bd6e-48eb-a9f1-4ab675da112a	{"id":71742349,"revid":70274,"text":"Achilles was built at Sunderland in 1799. Although early on she voyaged to the West Indies, she spent most of her mercantile career trading with the Baltic..."}
00072a49-e812-42c8-8d65-aafcea4470c1	{"id":70353234,"revid":28796187,"text":"Avó-Himm Loover (16 August 1941 – 1 May 2002) was an East Timorese architect. Loover was born in Kodasema. He was one of the members of artistic collective "The . . ."
00075fc7-d733-41e3-a4d1-3f9b5408efc2	{"id":71014979,"revid":27015025,"text":"The Alliance for Change and Progress (AMP) () was a three-party alliance in East Timor. Until 1 February 2018, the alliance was called Parliamentary Majority ..."}
00078aa9-3f8c-4b3c-a41b-451171331fb4	{"id":68798177,"revid":10274643,"text":"","title":"A873 CA","url":"https://en.wikipedia.org/w/index.php?curid=68798177"}
00078d90-c5df-4e67-9394-8955660727cf	{"id":74921309,"revid":1121468,"text":"Automatoids is a 2022 mobile video game developed by Idle Fingers. Described as a \"unique mechanical obstacle course\", the game is a puzzle game in which the player controls a robot that must navigate through various obstacles and collect coins while avoiding hazards. The game features multiple levels with increasing difficulty, each with its own unique challenges and rewards. The graphics are colorful and stylized, with a focus on the movement and interaction of the robot with its environment. The game is available for download on both iOS and Android platforms, and it has received positive reviews from players and critics alike for its innovative gameplay and engaging challenge."}

Data items are shredded between each node of cluster 2

name	group	services	CPU	RAM	swap	disk used	items
172.17.0.5	Group 1	data index search backup	1.4%	83.2%	100.0%	46.9MiB	31K/31.2K
172.17.0.6	Group 1	data query index search backup	1.1%	83.3%	100.0%	46.6MiB	31.2K/30.9K
172.17.0.7	Group 1	data query index search backup	1.2%	83.3%	100.0%	46.5MiB	31K/31.2K

One way replication is done

Now creating reference in cluster 2 for bi directional reference

CLUSTER_2 > XDCR Replications

activity help ▾ Administrator ▾ ADD REMOTE

Dashboard

Servers

Buckets

Backup

XDCR

Security

Settings

Logs

Documents

Query

Indexes

Search

Analytics

Eventing

Views

Remote Clusters

No remote clusters defined. Use ADD REMOTE to set one up.

Outgoing Replications

There are currently no replications defined.

ADD REMOTE

CLUSTER_2 > XDCR Replications

activity help ▾ Administrator ▾ ADD REMOTE

Add Remote Cluster

X

Cluster Name: CLUSTER_1

IP/Hostname: 172.17.0.2

Username for Remote Cluster: Administrator

Password: [REDACTED]

Enable Secure Connection

Cancel Save

activity help Administrator

CLUSTER_2 > XDCR Replications

ADD REPLICATION ADD REMOTE

Remote Clusters

name	IP/hostname
CLUSTER_1	172.17.0.2:8091

Outgoing Replications

There are currently no replications defined. Use ADD REPLICATION to set one up.

Dashboard
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ADDing replication reference

activity help Administrator

CLUSTER_2 > XDCR Add Replication

BACK

Replicate From Bucket: WIKIPEDIA

Remote Bucket: WIKIPEDIA

Remote Cluster: CLUSTER_1

The bucket **WIKIPEDIA** will be replicated to the bucket **WIKIPEDIA** on the remote cluster **CLUSTER_1**.
Missing targets on the remote will be ignored and that data will not be replicated.

Filter Replication
 Specify Scopes, Collections, and Mappings
 Use Migration Mode ⓘ

Advanced Settings

Mapping Rules

Save Replication Cancel/Reset

Dashboard
Servers
Buckets
Backup
XDCR
Security
Settings
Logs

Documents
Query
Indexes
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Analytics
Eventing
Views

The screenshot shows the Couchbase Server management interface. The top navigation bar includes 'activity', 'help ▾', 'Administrator ▾', 'ADD REPLICATION', and 'ADD REMOTE'. The left sidebar has a tree view with 'CLUSTER_2' expanded, showing 'XDCR' selected. Other options include 'Dashboard', 'Servers', 'Buckets', 'Backup', 'Security', 'Settings', 'Logs', 'Documents', 'Query', 'Indexes', 'Search', 'Analytics', 'Eventing', and 'Views'. The main content area displays 'Remote Clusters' with one entry: 'CLUSTER_1' at '172.17.0.2:8091'. Below that is the 'Outgoing Replications' section, which lists a single replication task: 'WIKIPEDIA' replicating to 'WIKIPEDIA' in 'CLUSTER_1' with a status of 'replicating .'.

**NOW UPLOADING ONE CHUNK IN
CLUSTER 2 to check whether it's
replicating on cluster 1**

CLUSTER_2 > Documents

activity help ▾ Administrator ▾

Workbench Import ▾

Dashboard Servers Buckets Backup XDCR Security Settings Logs Documents Query Indexes Search Analytics Eventing Views

Select File to Import... tab/comma delimited or JSON list/lines file format details chunk10.csv (68.511 MiB)

Parse File As CSV found 100000 records

Keyspace bucket.scope.collection WIKIPEDIA _default _default

Import With Document ID ⓘ UUID Value of Field: id

File Contents

Raw File Parsed Table Parsed JSON

id	revid	text
61369185	35936988	Ada Smolnikar-Bešter (born 1935) is a Slovenian gymnast. She competed in seven events at 1952 Summer Olympics.
61369327	30928335	Atonement is the eighth studio album by American metalcore band Killswitch Engage, released through Metal Blade Records on August 16, 2019. Lead single "Unleashed" was released on July 25, and followed by "I Am Broken Too" in July which would later follow up with a music video on August, as well as "The Signal Fire" shortly before the album's release. The band began a co-headlining tour of North America with Clutch in promotion of the album in July. In November 2019, the track "Unleashed" was nominated for the Grammy Award for "Best Metal Performance", making it the third Grammy nomination for Killswitch Engage. On May 1, 2020, the band released an EP entitled "Atonement II: B-Sides for Charity" on their Bandcamp, featuring previously unreleased songs taken from the recording sessions of "Atonement". 100% of the proceeds from the EP's sales were donated to the COVID-19 relief organization Center For Disaster Philanthropy, raising over \$30,000. Background and recording. The album was recorded over a period of two years, with ideas for the album beginning in 2017. Recording sessions took place on both coasts of the United States, but they were put on hold when vocalist Jesse Lea developed scar tissue on a polyp in his throat and underwent speech and vocal therapy for four months. "Atonement" was thus described as a "reflection of perseverance and passion throughout the entire process."
61369348	27199084	

Import Data

More items getting replicated in cluster1

CLUSTER_1 > Servers

activity help ▾ Administrator ▾

GROUPS FAILOVER ADD SERVER

Dashboard Servers Buckets Backup XDCR Security Settings Logs Documents Query Indexes Search Analytics Eventing Views

filter servers... Rebalance

name	group	services	CPU	RAM	swap	disk used	items	
172.17.0.2	Group 1	data query index search backup	3.3%	93.5%	100.0%	73.9MiB	43.5K/43.6K	Statistics
172.17.0.3	Group 1	data query index search backup	2.3%	93.6%	100.0%	74.7MiB	43.9K/43.3K	Statistics
172.17.0.4	Group 1	data query index search backup	2.7%	93.4%	100.0%	76.4MiB	43.3K/43.9K	Statistics

CLUSTER_1 > Buckets

activity help Administrator

ADD BUCKET

Dashboard

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filter buckets...

	name ▲	items	resident	ops/sec	RAM used/quota	disk used	Documents	Scopes & Collections
	WIKIPEDIA	130,900	100%	0	208MiB / 6.9GiB	237MiB		