Truvec Retrieval evaluation

Retrieval Comparison Report

Qwen3 Embedding 8B vs OpenAI on a technical corpus

Docker documentation: manuals, FAQs, billing and support pages - Generated golden set, reviewed - top 5

Project	Golden dataset	Questions evaluated	Retrieval depth
Docker documentation: manuals, FAQs, billing and support pages	Generated golden set, reviewed	100	top 5 (exact k-NN)
Corpus	**Chunking**	**Configurations compared**	**Dataset status**
261 documents	recursive - size 1000 - overlap 200	3	Committed
Run started	**Run completed**	**Run duration**	**Prepared by**
Nov 14, 2026, 12:55 AM	Nov 14, 2026, 12:55 AM	18 s	Truvec

Recommended: OpenAI text-embedding-3-large

OpenAI text-embedding-3-large ranks first with MRR 0.867 and recall@5 97.5%. It leads Qwen3 Embedding 8B by +0.009 MRR and, question by question, ranks a relevant chunk higher on 14 questions, lower on 13, with 73 ties.

Ranking rule: MRR, then recall@5. Failed configurations are listed last.

Leaderboard at a glance

Ranked by MRR, then recall@5

#	Model	Hit rate	Recall@5	Prec.@5	MRR	nDCG@5	Index cost	Latency
1	**OpenAI text-embedding-3-large**	**99.0%**	97.5%	20.6%	**0.867**	**0.885**	$0.044	8.3 ms
2	**Qwen3 Embedding 8B**	**99.0%**	**98.0%**	**20.8%**	0.858	0.883	$0.034	13 ms
3	**OpenAI text-embedding-3-small**	95.0%	93.5%	19.8%	0.769	0.807	$0.0067	5.2 ms

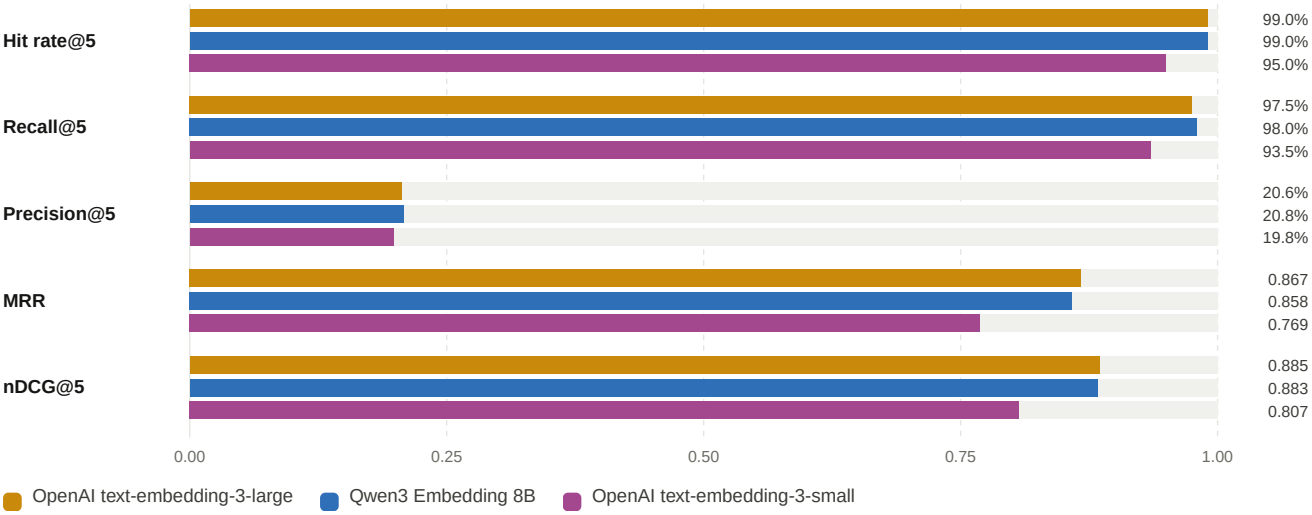
1 Leaderboard

All quality metrics at k = 5. The best value of each column is highlighted.

#	Model	Hit rate	Recall@5	Prec.@5	F1	MRR	nDCG@5	Found
1	**OpenAI text-embedding-3-large**	**99.0%**	97.5%	20.6%	33.8%	**0.867**	**0.885**	99/100
2	**Qwen3 Embedding 8B**	**99.0%**	**98.0%**	**20.8%**	**34.1%**	0.858	0.883	99/100
3	**OpenAI text-embedding-3-small**	95.0%	93.5%	19.8%	32.5%	0.769	0.807	95/100

Quality metrics side by side

All metrics on a 0 to 1 scale; longer is better

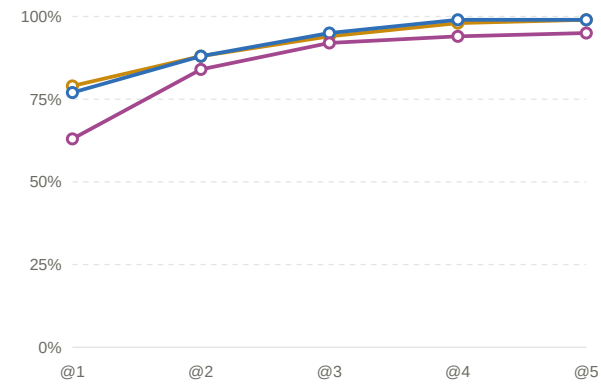


2 Retrieval depth

How early each configuration surfaces the first relevant chunk.

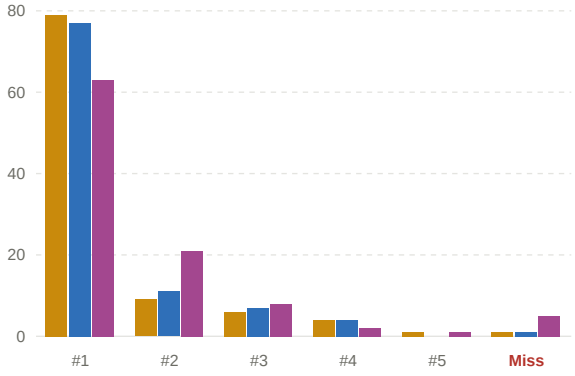
Hit rate by cut-off

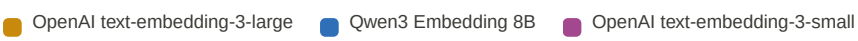
Share of questions with a relevant chunk in the top j



Rank of the first relevant chunk

Questions per rank; misses fall outside the top k



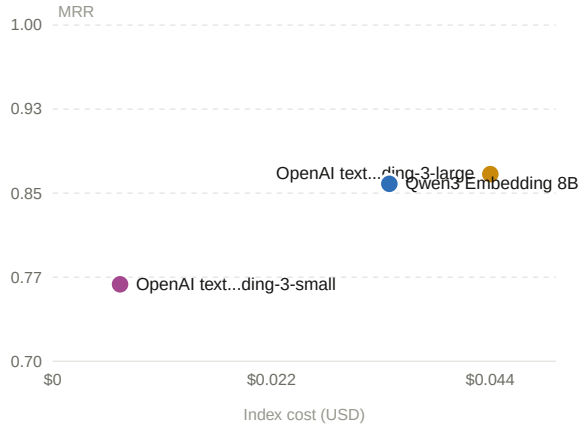


3 Cost, speed & footprint

Operational trade-offs, from token counts, configured prices and timings measured during the run.

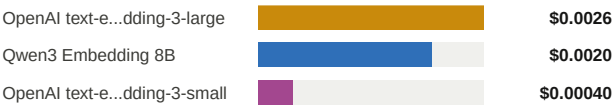
Quality vs index cost

MRR against the cost of embedding the corpus; top-left is best



Cost per 1,000 queries

Lower is better



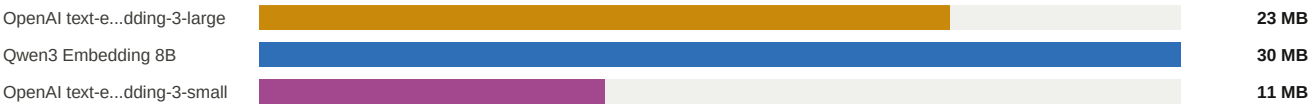
Query embedding latency

Per query; lower is better



Vector storage

Raw float32 vectors (chunks x dimensions x 4 bytes)



Cost

Measure	OpenAI text-embedding-3-large	Qwen3 Embedding 8B	OpenAI text-embedding-3-small
Price per 1M tokens Configured model price	$0.130	$0.100	$0.020
Index the corpus Embedding every chunk once	$0.044	$0.034	$0.0067
Per 1,000 queries At the golden set's average question length	$0.0026	$0.0020	$0.00040
Billed by this run New chunks + questions sent to the provider	$0.00026	$0.00041	$0.000040
Corpus tokens Tokens across all chunks	336K	336K	336K
Question tokens All golden-set questions	1,980	1,980	1,980
Avg. tokens / question Drives the query cost	19.8	19.8	19.8
Billed tokens Actually sent in this run	1,980	4,082	1,980

Index footprint

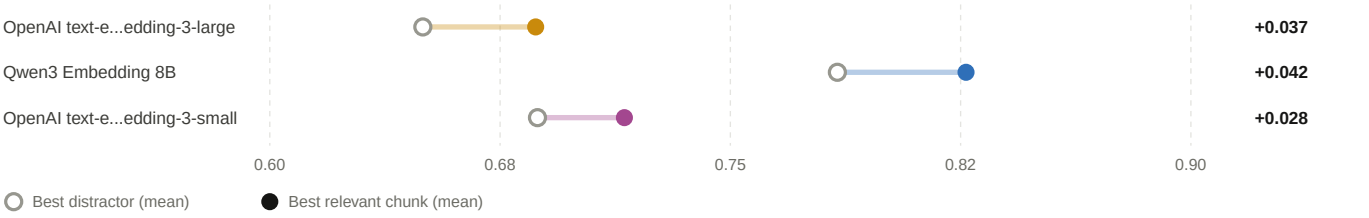
Measure	OpenAI text-embedding-3-large	Qwen3 Embedding 8B	OpenAI text-embedding-3-small
Indexed chunks Vectors in the index	1,944	1,944	1,944
Dimensions Vector size	3,072	4,096	1,536
Vector storage float32, excluding vector DB overhead	23 MB	30 MB	11 MB
Newly embedded chunks Not cached from an earlier run	0	0	0
Index embedding time Embedding the new chunks	0.0 ms	0.0 ms	0.0 ms

4 Score separation & latency

A wider gap between relevant and distractor scores makes retrieval more robust to threshold and re-ranking choices.

Relevant vs distractor scores

Gap shown on the right



Measure	OpenAI text-embedding-3-large	Qwen3 Embedding 8B	OpenAI text-embedding-3-small
Query embedding Batch time averaged per question	8.3 ms	13 ms	5.2 ms
Search, mean Vector search per question	24 ms	23 ms	21 ms
Search, p50 Median	19 ms	20 ms	17 ms
Search, p95 Tail latency	50 ms	43 ms	38 ms
Best relevant score Mean over questions	0.687	0.827	0.715
Best distractor score Mean over questions	0.650	0.785	0.687
Score gap Relevant minus distractor (higher is better)	0.037	0.042	0.027

5 Head-to-head

Each cell reads as row vs column: questions where the row model ranked a relevant chunk higher / lower (ties in brackets).

Row vs column	OpenAI text-embedding-3-large	Qwen3 Embedding 8B	OpenAI text-embedding-3-small	Net
OpenAI text-embedding-3-large	—	14 / 13 (73)	26 / 10 (64)	+17
Qwen3 Embedding 8B	13 / 14 (73)	—	27 / 11 (62)	+15
OpenAI text-embedding-3-small	10 / 26 (64)	11 / 27 (62)	—	-32

Agreement

How often the models agree on a question

All models hit	Models disagree	All models missed	Only winner hit	Winner missed, others hit
94	**6**	**0**	**1**	**1**
94.0%	6.0%	Check the golden set or chunking	OpenAI text-embedding-3-large	Winner blind spots

6 Question matrix

Rank of the first relevant chunk for every question and model. #1 is ideal; Miss means no expected chunk in the top k.

#	Question	OpenAI text-embedding-3-large	Qwen3 Embedding 8B	OpenAI text-embedding-3-small
1	How can I combine multiple Compose files, and what issue might arise as the configuration becomes more complex?	#1	#1	#1
2	What requirements must be met before I can configure Registry Access Management, and how do I add a registry?	#1	#1	#1
3	What happens to a service's network connections when I update it with docker compose up?	#1	#1	#1
4	How do I push an image to Docker Hub, and what tagging restriction applies?	Miss	#4	#1
5	What does adding docker-entrypoint.sh -h localhost -p 5432 after the image name do when I start a Postgres container with docker run?	#1	#1	#2
6	What happens to my repositories and subscriptions if I deactivate my Docker account?	#1	#1	#1
7	Which installer options let me accept the license, set the installing user, or select Docker VMM on Mac?	#1	#1	#1
8	How do I link my GitHub account to Docker Hub?	#1	#1	#1
9	What environment variables does Compose generate when a service uses models with the short syntax?	#1	#3	Miss
10	How do immutable image tags affect pushing updated images?	#2	#1	#1
11	How do I assign Docker Compose services to profiles, and what happens to services that have no profile?	#1	#1	#1

12	What command builds the Docker image for the Spring Boot hello world app, and how can I check the size of the resulting image?	#1	#2	#5
13	How can I import a custom MCP catalog into Docker Desktop, and where does it appear afterward?	#1	#1	#3
14	What operating system versions and package prerequisites are required to install Docker Desktop on RHEL?	#1	#1	#1
15	Which organizational roles and subscription plans are needed to create organization access tokens in Docker?	#4	#2	Miss
16	What commands do I use to tag a local Docker image and push it to a Docker Hub repository?	#1	#1	#1
17	Where can I find Docker Desktop's disk image location, and how do I move it to another drive?	#2	#1	#1
18	How does Compose determine service startup order, and why might a dependent service still fail even after its dependency has started?	#1	#1	#1
19	Which Docker volume commands list, remove, or clean up volumes, and how do volumes preserve PostgreSQL data?	#1	#1	#3
20	How do I run the Wasm hello-world example with Docker, and what do the runtime and platform options specify?	#1	#1	#1
21	How can I remove the sign-in requirement from every unassociated Docker Desktop machine in my organization?	#1	#1	#1
22	What information is included in the CSV export of an organization's Docker members, and how do I download it?	#1	#1	#1
23	When should I use `docker compose up` instead of `docker compose run`, and how do their behaviors differ?	#1	#1	#2
24	Which Docker Desktop versions are supported under the Pro, Team, and Business plans?	#2	#1	#3
25	How do I create, publish, and share a custom MCP catalog with my team?	#1	#3	#2
26	Why does Docker Desktop for Mac need limited privileged configuration even though it runs as an unprivileged user?	#1	#1	#1
27	When both JIT and SCIM are enabled, how are organization roles and account deactivation handled?	#5	Miss	Miss
28	What steps are required to apply for and subscribe to a DVP Starter or Growth plan?	#1	#1	#1
29	How do I enable image vulnerability scanning in Docker Hub and find the resulting report?	#1	#1	#1
30	Where can I inspect all Docker Desktop settings that have been applied, including settings not visible in the GUI?	#1	#3	#2
31	How can an organization owner turn off the ability to create public repositories on Docker Hub, and what happens to public repositories that already exist?	#1	#1	#1
32	What advantages do projects receive through Docker's Sponsored Open Source program?	#1	#1	#1
33	What can I manage from the Docker Desktop Dashboard?	#1	#1	#1

34	Who is allowed to remove repository tags on Docker Hub, and what limitation applies to immutable tags?	#3	#1	#3
35	How do I create and configure a profile in Docker Desktop's MCP Toolkit?	#1	#2	#2
36	What are recommended practices for handling environment variables in Docker Compose?	#1	#2	#1
37	What must I do to prepare Docker Desktop for Linux sign-in, and why is the `pass` utility needed?	#1	#1	#1
38	What steps and prerequisites are required before deactivating a Docker organization?	#1	#2	#1
39	What is the purpose of an OIDC connection in Docker, and how does it work with external vendors?	#1	#1	#1
40	How does two-factor authentication protect an individual Docker account, and what should organizations use instead for centralized sign-in control?	#3	#3	#2
41	Is Docker Desktop supported in persistent and non-persistent VDI environments, and what is the difference?	#1	#1	#1
42	What happens to running containers when I clone a Docker volume, and what steps do I follow to create the clone?	#1	#1	#1
43	How can I use VS Code with Docker and WSL 2 while keeping my project inside the Linux distribution?	#1	#1	#1
44	What is a Docker ID, and does it change if I update my email address or sign-in method?	#1	#1	#2
45	How are paths in Compose's env_file entries resolved, and does docker run support the same .env interpolation behavior?	#1	#1	#1
46	How do I make a container service accessible from my host computer using Docker port publishing?	#1	#3	#3
47	What tasks can Docker Compose perform for a multi-container application besides starting its services?	#1	#1	#1
48	How can I install or update the Docker Compose CLI plugin on Ubuntu, Debian, or an RPM-based Linux distribution?	#1	#1	#2
49	What changes when a Docker Hub repository is archived, and can users still download its images?	#1	#1	#1
50	Which identity providers and Docker subscription types are required to configure single sign-on?	#1	#1	#1
51	How do I search Docker Desktop logs, move between matching entries, and clear the terminal?	#4	#3	#1
52	What causes Docker Hub errors with status 429, and how should I prevent repeated requests?	#1	#1	#2
53	What should I consider about billing, seats, and refunds before merging Docker organizations?	#2	#1	#2
54	How can I confirm that an image migration preserved the same digest, including for multi-platform images?	#1	#1	#1

55	How do I invite a pilot user and create a Docker Desktop policy that applies only to that person?	#1	#1	#1
56	How are the Containers proxy and Docker Desktop proxy different when Docker Desktop accesses the network?	#3	#1	#2
57	How can separate Compose projects connect their services through one pre-existing Docker network?	#1	#1	#1
58	When Enhanced Container Isolation is enabled, which runtime do containers use, can it be bypassed, and what performance impact should I expect?	#3	#3	#3
59	What configuration is needed to use a provider service in Compose, and how does an application depend on it?	#1	#1	#1
60	What is the purpose of a `.syncignore` file, and where must it be located for Docker to use it?	#1	#1	#1
61	How can I use a value from a `.env` file inside a Docker Compose service's environment settings?	#1	#1	#2
62	What environment variable can override the deployment key used by Docker Hub automated builds?	#1	#1	#1
63	Where can I cancel a Docker Hub automated build that is currently queued or running?	#1	#1	#2
64	How do I switch Docker Desktop between the containerd and classic image stores?	#1	#1	#1
65	Can I run a Docker Compose service assigned to a profile without manually enabling that profile?	#2	#4	#2
66	What file and service configuration are required for Docker Hub automated tests, and how is the test result determined?	#2	#4	Miss
67	What steps are required to enable two-factor authentication on a Docker account?	#2	#2	#1
68	When creating a Docker access token, can I view or recover the token after leaving the generation page?	#1	#1	#2
69	How can I remove Docker Desktop from a Mac using either the Dashboard or a terminal command?	#1	#1	#1
70	What system requirements and preliminary packages are needed to install Docker Desktop on Ubuntu?	#1	#1	#3
71	What information is included in Docker Hub’s image usage analytics, and what can the Extensions section show?	#1	#1	#1
72	What steps should I follow to leave a company organization, and what must I do if I am its only owner?	#1	#1	#1
73	Which Windows container modes are available in Docker Desktop, and what installation restriction applies to Windows containers?	#4	#4	Miss
74	Why would I use a Docker volume, and how do volumes preserve data after a container is removed?	#1	#1	#1
75	How do the legacy and current Docker Compose commands differ, and how do they handle the top-level version field?	#1	#2	#1

76	What support options are available to Docker users, and how quickly do Pro, Team, and Business subscribers typically receive responses?	#2	#1	#2
77	How does MCP Gateway start and secure MCP servers when an AI application requests a tool?	#1	#1	#1
78	How can an organization owner remove a member completely, and how is that different from removing the member from a team?	#1	#1	#1
79	How does Compose's `include` feature resolve relative paths, and does it also process includes declared by the included files?	#1	#1	#1
80	When multiple Compose files are supplied with `-f`, how are their service settings combined, and which file takes precedence?	#1	#2	#4
81	What is the recommended way to install Docker Compose, and which operating systems include Docker Desktop support?	#1	#1	#1
82	When creating a Docker organization, what is the difference between its namespace and its display name?	#3	#1	#2
83	What role types can Docker organizations use, and what subscription is needed for custom roles?	#1	#1	#1
84	Which Docker plans support OIDC connections, and how many connections can an organization create under each plan?	#1	#1	#2
85	What should I do to retry a failed Docker subscription payment, and can pay by invoice be used to buy extra seats?	#1	#1	#1
86	When two-factor authentication is enabled, what credential should scripts use with `docker login`, and how can I recover access if I lose my authenticator?	#1	#1	#4
87	How can I confirm that Enhanced Container Isolation is enabled by checking user namespaces and the container runtime?	#1	#1	#1
88	How do image indexes enable one container image reference to work across AMD and ARM platforms?	#4	#1	#3
89	What is the difference between a Sandbox and a Mixin in the Sandbox Kit type filter, and when does that filter appear?	#1	#1	#1
90	What must an organization's only owner do before leaving, and where can they initiate the departure?	#3	#2	#2
91	Which Docker Desktop releases are still supported for Business, Pro, and Team customers, and how can I obtain an older release?	#1	#1	#1
92	What are the simplest deployment options for running a Compose application in production, including the option for scaling?	#1	#2	#1
93	Which default networking modes can be selected in Docker Desktop, and what IP protocols does each one use?	#1	#1	#1
94	How do Docker MCP profiles differ from the catalog, and can profiles be shared without transferring credentials?	#1	#1	#2
95	Is nested virtualization required for Docker Desktop on a virtual machine, and what support is available for VMware ESXi and Azure VMs?	#1	#1	#1
96	How can I filter, sort, customize, and create volumes from Docker Desktop's Volumes view?	#2	#2	#2

97	How can I change my Docker billing contact information, and will the update affect invoices that were already issued?	#1	#1	#1
98	What does Docker Desktop Resource Saver mode do, when does it activate by default, and what could prevent it from starting?	#1	#1	#1
99	When should I use an organization access token instead of an OIDC connection for Docker automation, and what subscription is needed for OIDC?	#1	#1	#1
100	What are the main differences between Docker Personal, Pro, Team, and Business plans?	#1	#1	#1

OpenAI text-embedding-3-large Qwen3 Embedding 8B OpenAI text-embedding-3-small

A

Appendix: retrieval details

For every question, the expected chunks and each model's ranked retrieval. Green chunk ids are relevant.

Q1 How can I combine multiple Compose files, and what issue might arise as the configuration becomes more complex?

Expected chunk

#662 # Use multiple Compose files This section contains information on the ways you can work with multiple Compose files. Using multiple Compose files lets you customize a Compose application for different environments or workflows. This is useful for large applications that may use dozens of containers, with ownership dis…

OpenAI text-embedding-3-large	#1	RR 1.00	1:662 0.66	2:752 0.66	3:676 0.65	4:675 0.63	5:673 0.61
Qwen3 Embedding 8B	#1	RR 1.00	1:662 0.82	2:752 0.81	3:663 0.80	4:675 0.74	5:682 0.74
OpenAI text-embedding-3-small	#1	RR 1.00	1:662 0.74	2:752 0.73	3:663 0.72	4:675 0.65	5:673 0.63

Q2 What requirements must be met before I can configure Registry Access Management, and how do I add a registry?

Expected chunk

#933 ## Prerequisites Before configuring Registry Access Management, you must: - Enforce sign-in. Registry Access Management only takes effect when users are signed in to Docker Desktop with organization credentials. - Use Organization access tokens (OATs) for authentication - Have a Docker Business subscription ## Configu…

OpenAI text-embedding-3-large	#1	RR 1.00	1:933 0.67	2:932 0.61	3:936 0.53	4:935 0.51	5:922 0.50
Qwen3 Embedding 8B	#1	RR 1.00	1:933 0.77	2:932 0.71	3:936 0.67	4:1856 0.64	5:408 0.62
OpenAI text-embedding-3-small	#1	RR 1.00	1:933 0.73	2:932 0.56	3:1856 0.55	4:936 0.54	5:408 0.53

Q3 What happens to a service's network connections when I update it with docker compose up?

Expected chunk

#687 ### Updating containers on the network If you make a configuration change to a service and run `docker compose up` to update it, the old container is removed and the new one joins the network under a different IP address but the same name. Running containers can look up that name and connect to the new address, but th…

OpenAI text-embedding-3-large	#1	RR 1.00	1:687 0.64	2:685 0.56	3:684 0.54	4:699 0.53	5:756 0.52
Qwen3 Embedding 8B	#1	RR 1.00	1:687 0.81	2:685 0.69	3:683 0.67	4:748 0.65	5:557 0.65
OpenAI text-embedding-3-small	#1	RR 1.00	1:687 0.63	2:685 0.62	3:684 0.61	4:561 0.56	5:699 0.56

Q4 How do I push an image to Docker Hub, and what tagging restriction applies?

Expected chunk

#1453 ## Push an image to Docker Hub Select the image from the list, select the **More options** button and select **Push to Hub**. > [!NOTE] > > You can only push an image to Docker Hub if the image belongs to your Docker ID or your organization. That is, the image must contain the correct username/organization in its tag…

OpenAI text-embedding-3-large	Miss	RR 0.00	1:1657 0.65	2:197 0.62	3:322 0.60	4:1659 0.59	5:1627 0.58

Top result is a distractor: # Push images to a repository To add content to a repository on Docker Hub, you need to tag your Docker image and then push it to your repository. This process lets you share your…

Qwen3 Embedding 8B	#4	RR 0.25	1:1657 0.84 · 2:1658 0.81 · 3:197 0.78 · 4:1453 0.77 · 5:1659 0.77
			Top result is a distractor: # Push images to a repository To add content to a repository on Docker Hub, you need to tag your Docker image and then push it to your repository. This process lets you share your…
OpenAI text-embedding-3-small	#1	RR 1.00	1:1453 0.70 · 2:1657 0.69 · 3:1628 0.65 · 4:1627 0.64 · 5:1629 0.64

Q5 What does adding docker-entrypoint.sh -h localhost -p 5432 after the image name do when I start a Postgres container with docker run?

Expected chunk

#280 ```console $ docker run -e POSTGRES_PASSWORD=secret postgres docker-entrypoint.sh -h localhost -p 5432 ``` This command runs a Postgres container, sets an environment variable for password authentication, overrides the default startup commands and configures hostname and port mapping. ## Additional resources * Ways to…

OpenAI text-embedding-3-large	#1	RR 1.00	1:280 0.67 · 2:278 0.62 · 3:279 0.62 · 4:269 0.58 · 5:272 0.56
Qwen3 Embedding 8B	#1	RR 1.00	1:280 0.79 · 2:279 0.78 · 3:272 0.75 · 4:275 0.73 · 5:274 0.68
OpenAI text-embedding-3-small	#2	RR 0.50	1:279 0.64 · 2:280 0.61 · 3:272 0.58 · 4:278 0.55 · 5:271 0.55
			Top result is a distractor: ```console $ docker compose up -d ``` This command starts the Postgres service defined in the Docker Compose file. 3. Verify the authentication with Docker Desktop Dashboard. Open…

Q6 What happens to my repositories and subscriptions if I deactivate my Docker account?

Expected chunk

#395 # Deactivate a Docker account When you deactivate an individual Docker account, Docker removes all of your public and private repositories. All Docker products and services that use your Docker account are inaccessible after deactivation. > [!WARNING] > > Back up any important data before you continue. Deactivating yo…

OpenAI text-embedding-3-large	#1	RR 1.00	1:395 0.63 · 2:396 0.55 · 3:2090 0.54 · 4:2091 0.54 · 5:431 0.49
Qwen3 Embedding 8B	#1	RR 1.00	1:395 0.90 · 2:431 0.82 · 3:396 0.79 · 4:2091 0.73 · 5:432 0.70
OpenAI text-embedding-3-small	#1	RR 1.00	1:395 0.71 · 2:396 0.65 · 3:2091 0.62 · 4:2090 0.60 · 5:431 0.59

Q7 Which installer options let me accept the license, set the installing user, or select Docker VMM on Mac?

Expected chunk

#1278 #### Installer flags The `install` command accepts the following flags: ##### Installation behavior - `--accept-license`: Accepts the Docker Subscription Service Agreement now, rather than requiring it to be accepted when the application is first run. - `--user=`: Performs the privileged configurations once during ins…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1278 0.65 · 2:1312 0.62 · 3:1277 0.61 · 4:1276 0.59 · 5:859 0.58
Qwen3 Embedding 8B	#1	RR 1.00	1:1278 0.83 · 2:859 0.77 · 3:1312 0.75 · 4:1276 0.72 · 5:1306 0.72
OpenAI text-embedding-3-small	#1	RR 1.00	1:1278 0.73 · 2:1312 0.64 · 3:859 0.64 · 4:861 0.62 · 5:1277 0.62

Q8 How do I link my GitHub account to Docker Hub?

Expected chunk

#1585 ## Link to a GitHub user account 1. Sign in to Docker Hub. 2. Select **My Hub** > **Settings** > **Linked accounts**. 3. Select **Link provider** for the source provider you want to link. If you want to unlink your current GitHub account and relink to a new GitHub account, make sure to completely sign out of GitHub be…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1585 0.70	2:1584 0.63	3:1588 0.61	4:1589 0.61	5:1587 0.59
Qwen3 Embedding 8B	#1	RR 1.00	1:1585 0.87	2:1586 0.82	3:1617 0.80	4:1584 0.80	5:399 0.78
OpenAI text-embedding-3-small	#1	RR 1.00	1:1585 0.80	2:1586 0.72	3:1584 0.67	4:1588 0.67	5:1589 0.64

Q9 What environment variables does Compose generate when a service uses models with the short syntax?

Expected chunk

#653 ```yaml services: app: image: my-app models: - llm - embedding-model models: llm: model: ai/smollm2 embedding-model: model: ai/all-minilm ``` With short syntax, the platform automatically generates environment variables based on the model name: - `LLM_URL` - URL to access the LLM model - `LLM_MODEL` - Model identifier…

OpenAI text-embedding-3-large	**#1**	RR 1.00	1:653 0.62	2:654 0.58	3:607 0.58	4:528 0.58	5:608 0.57
Qwen3 Embedding 8B	#3	RR 0.33	1:759 0.67	2:528 0.67	3:653 0.67	4:724 0.66	5:575 0.66
OpenAI text-embedding-3-small	Miss	RR 0.00	1:607 0.63	2:608 0.61	3:616 0.59	4:759 0.59	5:680 0.58

Top result is a distractor: - Portability across environments: Compose supports variables in the Compose file. You can use these variables to customize your composition for different environments, or differe…

Top result is a distractor: You can check variables and values used by Compose to interpolate the Compose model by running `docker compose config --environment`. ### `.env` file An `.env` file in Docker Comp…

Q10 How do immutable image tags affect pushing updated images?

Expected chunk

#1644 Once enabled, all tags are locked to their specific images, ensuring that each tag always points to the same image version and cannot be modified. > [!NOTE] > This implementation of regular expressions follows the Go regexp package, which is based on the RE2 engine. For more information, visit RE2 Regular Expression S…

OpenAI text-embedding-3-large	#2	RR 0.50	1:1642 0.68	2:1644 0.68	3:1643 0.63	4:324 0.54	5:196 0.49
Qwen3 Embedding 8B	**#1**	RR 1.00	1:1644 0.82	2:1642 0.81	3:1643 0.80	4:1660 0.69	5:1646 0.67
OpenAI text-embedding-3-small	**#1**	RR 1.00	1:1644 0.70	2:1642 0.64	3:1643 0.56	4:1786 0.48	5:1627 0.47

Top result is a distractor: # Immutable tags on Docker Hub Immutable tags provide a way to ensure that specific image versions remain unchanged once they are published to Docker Hub. This feature helps maint…

Q11 How do I assign Docker Compose services to profiles, and what happens to services that have no profile?

Expected chunk

#713 ## Assigning profiles to services Services are associated with profiles through the `profiles` attribute which takes an array of profile names: ```yaml services: frontend: image: frontend profiles: [frontend] phpmyadmin: image: phpmyadmin depends_on: [db] profiles: [debug] backend: image: backend db: image: mysql ```…

OpenAI text-embedding-3-large	**#1**	RR 1.00	1:713 0.73	2:715 0.69	3:716 0.67	4:717 0.65	5:714 0.62
Qwen3 Embedding 8B	**#1**	RR 1.00	1:713 0.87	2:716 0.83	3:715 0.81	4:714 0.81	5:717 0.80
OpenAI text-embedding-3-small	**#1**	RR 1.00	1:713 0.75	2:717 0.71	3:715 0.70	4:592 0.69	5:714 0.69

Q12 What command builds the Docker image for the Spring Boot hello world app, and how can I check the size of the resulting image?

Expected chunk

#212 ```dockerfile CMD ["./mvnw", "spring-boot:run"] ``` And with that, you should have the following Dockerfile: ```dockerfile FROM eclipse-temurin:21.0.8_9-jdk-jammy WORKDIR /app COPY .mvn/ .mvn COPY mvnw pom.xml ./ RUN ./mvnw dependency:go-offline COPY src ./src CMD ["./mvnw", "spring-boot:run"] ``` ### Build the contai…

OpenAI text-embedding-3-large	**#1**	RR 1.00	1:212 0.72	2:218 0.71	3:213 0.70	4:219 0.68	5:217 0.68
Qwen3 Embedding 8B	**#2**	RR 0.50	1:213 0.85	2:212 0.81	3:218 0.76	4:219 0.74	5:217 0.72

Top result is a distractor: ```console REPOSITORY TAG IMAGE ID CREATED SIZE spring-helloworld latest ff708d5ee194 3 minutes ago 880MB ``` This output shows that your image is 880MB in size. It contains the f…

OpenAI text-embedding-3-small	**#5**	RR 0.20	1:219 0.70	2:213 0.70	3:218 0.67	4:217 0.65	5:212 0.61

Top result is a distractor: ```console spring-helloworld-builder latest c5c76cb815c0 24 minutes ago 428MB spring-helloworld latest ff708d5ee194 About an hour ago 880MB ``` Your final image is just 428 MB, co…

Q13 How can I import a custom MCP catalog into Docker Desktop, and where does it appear afterward?

Expected chunk

#1063 ### Custom catalogs with Dynamic MCP Custom catalogs work particularly well with Dynamic MCP, where agents discover and add MCP servers on-demand during conversations. When you run the gateway with a custom catalog, the `mcp-find` tool searches only within that catalog. If your catalog contains 20 servers instead of 3…

OpenAI text-embedding-3-large	**#1**	RR 1.00	1:1063 0.73	2:1064 0.71	3:1076 0.67	4:1089 0.64	5:1075 0.63
Qwen3 Embedding 8B	**#1**	RR 1.00	1:1063 0.83	2:1064 0.82	3:1076 0.80	4:1075 0.77	5:1073 0.72
OpenAI text-embedding-3-small	**#3**	RR 0.33	1:1064 0.78	2:1075 0.74	3:1063 0.74	4:1076 0.72	5:1060 0.69

Top result is a distractor: Using the CLI: ```console $ docker mcp catalog pull ``` Once imported, the catalog appears alongside the Docker catalog and you can add its servers to your profiles. ### Create an…

Q14 What operating system versions and package prerequisites are required to install Docker Desktop on RHEL?

Expected chunk

#1261 # Install Docker Desktop on RHEL > **Docker Desktop terms** > > Commercial use of Docker Desktop in larger enterprises (more than 250 > employees or more than $10 million USD in annual revenue) requires a paid > subscription. This page contains information on how to install, launch and upgrade Docker Desktop on a Red…

OpenAI text-embedding-3-large	**#1**	RR 1.00	1:1261 0.70	2:1263 0.68	3:1257 0.66	4:1245 0.65	5:1262 0.64
Qwen3 Embedding 8B	**#1**	RR 1.00	1:1261 0.83	2:1263 0.76	3:1244 0.75	4:1257 0.73	5:1245 0.72
OpenAI text-embedding-3-small	**#1**	RR 1.00	1:1261 0.75	2:1265 0.67	3:1245 0.67	4:1262 0.67	5:1257 0.67

Q15 Which organizational roles and subscription plans are needed to create organization access tokens in Docker?

Expected chunk

#1836 > [!WARNING] > > OATs don't work with Docker Desktop or Image Access Management. For > those features, use > PATs instead. ## Best practices - Set an expiration date and rotate tokens on a schedule - Grant only the repositories and scopes each job needs - Review the **Last used** column to find unused or suspicious to…

OpenAI text-embedding-3-large	**#4**	RR 0.25	1:2002 0.65	2:495 0.65	3:2003 0.64	4:1836 0.61	5:1562 0.60

Top result is a distractor: # Docker organization roles and permissions Roles determine what members can do in your Docker organization. When you invite a user or create a team, you assign a role that grants…

Qwen3 Embedding 8B	#2	RR 0.50	1:1835 0.80	2:1836 0.80	3:1841 0.77	4:1623 0.76	5:1838 0.76

Top result is a distractor: # Create and manage organization access tokens An organization access token (OAT) lets automated systems sign in to Docker Hub as your organization instead of as a person. Use an…

OpenAI text-embedding-3-small	Miss	RR 0.00	1:2002 0.68	2:2003 0.68	3:492 0.66	4:1838 0.66	5:430 0.66

Top result is a distractor: # Docker organization roles and permissions Roles determine what members can do in your Docker organization. When you invite a user or create a team, you assign a role that grants…

Q16 What commands do I use to tag a local Docker image and push it to a Docker Hub repository?

Expected chunk

#1657 # Push images to a repository To add content to a repository on Docker Hub, you need to tag your Docker image and then push it to your repository. This process lets you share your images with others or use them in different environments. 1. Tag your Docker image. The `docker tag` command assigns a tag to your Docker i…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1657 0.68	2:1659 0.65	3:322 0.64	4:1658 0.62	5:197 0.60
Qwen3 Embedding 8B	#1	RR 1.00	1:1657 0.88	2:1659 0.84	3:1658 0.84	4:197 0.83	5:323 0.81
OpenAI text-embedding-3-small	#1	RR 1.00	1:1657 0.72	2:1659 0.71	3:1658 0.71	4:1453 0.68	5:1629 0.66

Q17 Where can I find Docker Desktop's disk image location, and how do I move it to another drive?

Expected chunk

#1358 #### Where is the disk image file? To locate the disk image file, select **Settings** from the Docker Desktop Dashboard then **Advanced** from the **Resources** tab. The **Advanced** tab displays the location of the disk image. It also displays the maximum size of the disk image and the actual space the disk image is…

OpenAI text-embedding-3-large	#2	RR 0.50	1:1363 0.70	2:1358 0.70	3:1359 0.64	4:1364 0.63	5:1201 0.59
Qwen3 Embedding 8B	#1	RR 1.00	1:1358 0.87	2:1363 0.87	3:1364 0.73	4:1201 0.73	5:1359 0.73
OpenAI text-embedding-3-small	#1	RR 1.00	1:1358 0.76	2:1363 0.76	3:1359 0.66	4:1201 0.64	5:1364 0.64

Top result is a distractor: #### Where is the disk image file? To locate the disk image file, select **Settings** from the Docker Desktop Dashboard then **Advanced** from the **Resources** tab. The **Advance…

Q18 How does Compose determine service startup order, and why might a dependent service still fail even after its dependency has started?

Expected chunk

#728 # Control startup and shutdown order in Compose You can control the order of service startup and shutdown with the depends_on attribute. Compose always starts and stops containers in dependency order, where dependencies are determined by `depends_on`, `links`, `volumes_from`, and `network_mode: "service:..."`. For exa…

OpenAI text-embedding-3-large	#1	RR 1.00	1:728 0.65	2:730 0.63	3:729 0.57	4:645 0.54	5:555 0.53
Qwen3 Embedding 8B	#1	RR 1.00	1:728 0.83	2:729 0.74	3:730 0.72	4:645 0.69	5:555 0.67
OpenAI text-embedding-3-small	#1	RR 1.00	1:728 0.70	2:729 0.64	3:730 0.57	4:639 0.54	5:647 0.54

Q19 Which Docker volume commands list, remove, or clean up volumes, and how do volumes preserve PostgreSQL data?

Expected chunk

#283 ### Managing volumes Volumes have their own lifecycle beyond that of containers and can grow quite large depending on the type of data and applications you're using. The following commands will be helpful to manage volumes: - `docker volume ls` - list all volumes - `docker volume rm ` - remove a volume (only works whe…

OpenAI text-embedding-3-large	#1	RR 1.00	1:283 0.67	2:287 0.66	3:288 0.63	4:284 0.59	5:286 0.58
Qwen3 Embedding 8B	#1	RR 1.00	1:283 0.85	2:288 0.80	3:287 0.77	4:284 0.77	5:286 0.74
OpenAI text-embedding-3-small	#3	RR 0.33	1:288 0.75	2:287 0.74	3:283 0.70	4:286 0.68	5:284 0.65

Top result is a distractor: ```console $ docker rm -f new-db ``` There are a few methods to remove volumes, including the following: - Select the **Delete Volume** option on a volume in the Docker Desktop Da…

Q20 How do I run the Wasm hello-world example with Docker, and what do the runtime and platform options specify?

Expected chunk

#1170 ```console $ docker run \ --runtime=io.containerd.wasmedge.v1 \ --platform=wasi/wasm \ secondstate/rust-example-hello ``` After running this command, you can visit http://localhost:8080/ to see the "Hello world" output from this example module. If you are receiving an error message, see the troubleshooting section for…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1170 0.71	2:1169 0.66	3:1171 0.61	4:1175 0.60	5:1174 0.60

Qwen3 Embedding 8B	#1	RR 1.00	1:1170 0.85	2:1169 0.77	3:1174 0.74	4:1171 0.72	5:1168 0.67
OpenAI text-embedding-3-small	#1	RR 1.00	1:1170 0.75	2:1169 0.64	3:1171 0.61	4:1174 0.61	5:1168 0.60

Q21 How can I remove the sign-in requirement from every unassociated Docker Desktop machine in my organization?

Expected chunk

#1043 ## Disable sign-in enforcement ### Disable for all unassociated machines 1. Sign in to Docker Home and select your organization. 1. Select **Docker Desktop**, then **Unassociated**. 1. Turn off the **Enforce sign-in** toggle. 1. In the pop-up modal, select **Turn off sign-in requirement** to confirm. The **Sign-in req…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1043 0.77	2:1039 0.70	3:1038 0.69	4:1042 0.69	5:1040 0.68
Qwen3 Embedding 8B	#1	RR 1.00	1:1043 0.89	2:1038 0.82	3:1039 0.82	4:1036 0.81	5:1037 0.80
OpenAI text-embedding-3-small	#1	RR 1.00	1:1043 0.81	2:1038 0.75	3:1039 0.74	4:1040 0.68	5:1036 0.66

Q22 What information is included in the CSV export of an organization's Docker members, and how do I download it?

Expected chunk

#472 ## Export a member list CSV Organization owners can export a CSV file of all members. Docker generates the file asynchronously and emails it to the owner when it's ready. 1. Sign in to Docker Home and select your organization. 1. Select **Members**. 1. Select the **Download** icon to start the export. 1. Open the emai…

OpenAI text-embedding-3-large	#1	RR 1.00	1:472 0.76	2:471 0.60	3:379 0.56	4:416 0.55	5:1685 0.55
Qwen3 Embedding 8B	#1	RR 1.00	1:472 0.93	2:380 0.81	3:379 0.76	4:464 0.73	5:384 0.72
OpenAI text-embedding-3-small	#1	RR 1.00	1:472 0.79	2:1952 0.64	3:1721 0.59	4:1685 0.59	5:380 0.59

Q23 When should I use `docker compose up` instead of `docker compose run`, and how do their behaviors differ?

Expected chunk

#768 For further information, see History and development of Compose. ### What's the difference between `up`, `run`, and `start`? Typically, you want `docker compose up`. Use `up` to start or restart all the services defined in a `compose.yaml`. In the default "attached" mode, you see all the logs from all the containers.…

OpenAI text-embedding-3-large	#1	RR 1.00	1:768 0.76	2:767 0.74	3:711 0.56	4:759 0.55	5:257 0.55
Qwen3 Embedding 8B	#1	RR 1.00	1:768 0.83	2:767 0.75	3:336 0.67	4:642 0.62	5:371 0.61
OpenAI text-embedding-3-small	#2	RR 0.50	1:767 0.78	2:768 0.77	3:335 0.60	4:257 0.59	5:567 0.59

Top result is a distractor: # Frequently asked questions about Docker Compose ### What is the difference between `docker compose` and `docker-compose` Version one of the Docker Compose command-line binary wa…

Q24 Which Docker Desktop versions are supported under the Pro, Team, and Business plans?

Expected chunk

#2117 ### Supported versions Docker Desktop support is scoped by plan: | Plan | Supported versions | Machines per subscription | | :--- | :--- | :--- | | Docker Pro | Latest only | One | | Docker Team | Latest only | One per subscription seat | | Docker Business | Latest plus versions up to six months older (fixes on latest…

OpenAI text-embedding-3-large	#2	RR 0.50	1:2116 0.75	2:2117 0.70	3:1372 0.69	4:2102 0.65	5:2115 0.62
Qwen3 Embedding 8B	#1	RR 1.00	1:2117 0.81	2:1372 0.80	3:2116 0.76	4:2102 0.75	5:1271 0.73
OpenAI text-embedding-3-small	#3	RR 0.33	1:2116 0.76	2:2102 0.72	3:2117 0.70	4:2114 0.70	5:2115 0.68

Top result is a distractor: Docker Desktop support excludes: - Unsupported operating systems, including beta and preview versions - Versions older than the latest release (except Docker Business) - Training,…

Top result is a distractor: Docker Desktop support excludes: - Unsupported operating systems, including beta and preview versions - Versions older than the latest release (except Docker Business) - Training,…

Q25 How do I create, publish, and share a custom MCP catalog with my team?

Expected chunk

#1075 Create a catalog and specify which servers to include: ```console $ docker mcp catalog create registry.example.com/mcp/data-tools:latest \ --title "Data Analysis Tools" \ --server catalog://mcp/docker-mcp-catalog/sequentialthinking \ --server catalog://mcp/docker-mcp-catalog/brave \ --server docker://registry.example.…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1075 0.65	2:1064 0.64	3:1063 0.64	4:1072 0.62	5:1062 0.61
Qwen3 Embedding 8B	#3	RR 0.33	1:1063 0.73	2:1064 0.73	3:1075 0.71	4:1062 0.71	5:1089 0.70
OpenAI text-embedding-3-small	#2	RR 0.50	1:1063 0.68	2:1075 0.68	3:1073 0.59	4:1064 0.58	5:1060 0.58

Top result is a distractor: ### Custom catalogs with Dynamic MCP Custom catalogs work particularly well with Dynamic MCP, where agents discover and add MCP servers on-demand during conversations. When you ru…

Top result is a distractor: ### Custom catalogs with Dynamic MCP Custom catalogs work particularly well with Dynamic MCP, where agents discover and add MCP servers on-demand during conversations. When you ru…

Q26 Why does Docker Desktop for Mac need limited privileged configuration even though it runs as an unprivileged user?

Expected chunk

#1285 Docker Desktop for Mac is run as an unprivileged user. However, Docker Desktop requires certain functionalities to perform a limited set of privileged configurations such as: - Installing symlinks in`/usr/local/bin`. - Ensuring `localhost` and `kubernetes.docker.internal` are defined in `/etc/hosts`. Some old macOS in…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1285 0.82	2:1284 0.69	3:1293 0.68	4:1290 0.67	5:1328 0.66
Qwen3 Embedding 8B	#1	RR 1.00	1:1285 0.85	2:1284 0.78	3:1290 0.77	4:1328 0.75	5:1293 0.73
OpenAI text-embedding-3-small	#1	RR 1.00	1:1285 0.84	2:1293 0.69	3:1328 0.69	4:1351 0.68	5:1284 0.68

Q27 When both JIT and SCIM are enabled, how are organization roles and account deactivation handled?

Expected chunk

#1964 Roles don't move back and forth. JIT sets the organization role only when it first adds the user. A later SCIM update can change that role, and the next sign-in leaves the SCIM role in place. When a user isn't assigned to the Docker application in the IdP, the next synchronization deactivates the Docker account. Remov…

OpenAI text-embedding-3-large	#5	RR 0.20	1:1998 0.70	2:1961 0.70	3:1819 0.69	4:1999 0.67	5:1964 0.65
Qwen3 Embedding 8B	Miss	RR 0.00	1:1998 0.79	2:1961 0.78	3:1958 0.76	4:1999 0.76	5:1819 0.76
OpenAI text-embedding-3-small	Miss	RR 0.00	1:1999 0.72	2:1998 0.72	3:1819 0.70	4:1961 0.67	5:1979 0.64

Top result is a distractor: Roles aren't affected. JIT sets the organization role only when it first adds the user. A later SCIM update can change that role, and the next sign-in leaves the SCIM role in plac…

Top result is a distractor: Roles aren't affected. JIT sets the organization role only when it first adds the user. A later SCIM update can change that role, and the next sign-in leaves the SCIM role in plac…

Top result is a distractor: With JIT turned off, SCIM is the source for user creation, profile updates, and group membership. #### Keep JIT enabled If you keep JIT enabled: - Match each user's email address…

Q28 What steps are required to apply for and subscribe to a DVP Starter or Growth plan?

Expected chunk

#2098 ## Apply for DVP Starter or Growth To add DVP Starter or DVP Growth, you must apply for a DVP plan. After Docker approves your application, complete checkout to subscribe. 1. Go to the DVP landing page. The page contains information about DVP Starter and DVP Growth. 1. Select **Apply for DVP**. Sign in if prompted. 1.…

OpenAI text-embedding-3-large	**#1**	RR 1.00	1:2098 0.72	2:2097 0.70	3:2096 0.61	4:2099 0.60	5:2100 0.58
Qwen3 Embedding 8B	**#1**	RR 1.00	1:2098 0.80	2:2097 0.71	3:2099 0.67	4:2096 0.65	5:2100 0.62
OpenAI text-embedding-3-small	**#1**	RR 1.00	1:2098 0.74	2:2097 0.69	3:2099 0.67	4:2100 0.63	5:2096 0.57

Q29 How do I enable image vulnerability scanning in Docker Hub and find the resulting report?

Expected chunk

#1755 The **General** page for the repository appears. 4. Select the **Settings** tab. 5. Under **Image security insight settings**, select **Static scanning**. 6. Select **Save**. ### Scan an image To scan an image for vulnerabilities, push the image to Docker Hub, to the repository for which you have turned on scanning. #…

OpenAI text-embedding-3-large	**#1**	RR 1.00	1:1755 0.77	2:1752 0.67	3:1754 0.65	4:1751 0.65	5:1750 0.63
Qwen3 Embedding 8B	**#1**	RR 1.00	1:1755 0.91	2:1751 0.84	3:1754 0.83	4:1750 0.82	5:1752 0.80
OpenAI text-embedding-3-small	**#1**	RR 1.00	1:1755 0.73	2:1751 0.72	3:1754 0.70	4:1750 0.67	5:1757 0.67

Q30 Where can I inspect all Docker Desktop settings that have been applied, including settings not visible in the GUI?

Expected chunk

#943 As a workaround, you can check the `settings-store.json` file to view all applied settings: - Mac: `~/Library/Application Support/Docker/settings-store.json` - Windows: `%APPDATA%\Docker\settings-store.json` - Linux: `~/.docker/desktop/settings-store.json` The `settings-store.json` file contains all settings, includin…

OpenAI text-embedding-3-large	**#1**	RR 1.00	1:943 0.68	2:1204 0.64	3:942 0.62	4:964 0.58	5:1051 0.56
Qwen3 Embedding 8B	**#3**	RR 0.33	1:1204 0.81	2:942 0.80	3:943 0.78	4:1205 0.74	5:1429 0.73

Top result is a distractor: # Change your Docker Desktop settings Customize Docker Desktop behavior and optimize performance and resource usage with Docker Desktop's settings. To open **Settings** either: -…

OpenAI text-embedding-3-small	**#2**	RR 0.50	1:942 0.71	2:943 0.69	3:1204 0.67	4:944 0.66	5:964 0.62

Top result is a distractor: ## Developer experience When settings are enforced: - Settings options appear grayed out in Docker Desktop and can't be modified through the Dashboard, CLI, or configuration files…

Q31 How can an organization owner turn off the ability to create public repositories on Docker Hub, and what happens to public repositories that already exist?

Expected chunk

#1765 Organization owners and editors can prevent creating public repositories within organization namespaces. You cannot configure this setting for personal account namespaces. > [!NOTE] > > Enabling this feature does not affect existing public repositories. Any public > repositories that already exist will remain public.…

OpenAI text-embedding-3-large	**#1**	RR 1.00	1:1765 0.73	2:1764 0.64	3:1758 0.60	4:1558 0.58	5:1560 0.56

Qwen3 Embedding 8B	#1	RR 1.00	1:1765 0.87	2:1764 0.84	3:1557 0.75	4:1558 0.75	5:1766 0.74
OpenAI text-embedding-3-small	#1	RR 1.00	1:1765 0.76	2:1758 0.65	3:1558 0.65	4:1764 0.62	5:1587 0.62

Q32 What advantages do projects receive through Docker's Sponsored Open Source program?

Expected chunk

#1670 # Docker-Sponsored Open Source Program Docker-Sponsored Open Source images are published and maintained by open-source projects sponsored by Docker through the program. Images that are part of this program have a special badge on Docker Hub making it easier for users to identify projects that Docker has verified as tr…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1670 0.76	2:1674 0.70	3:1673 0.67	4:1524 0.59	5:1669 0.54
Qwen3 Embedding 8B	#1	RR 1.00	1:1670 0.83	2:1674 0.78	3:1669 0.74	4:1524 0.72	5:1676 0.71
OpenAI text-embedding-3-small	#1	RR 1.00	1:1670 0.78	2:1674 0.74	3:1673 0.61	4:1676 0.60	5:1669 0.58

Q33 What can I manage from the Docker Desktop Dashboard?

Expected chunk

#1426 # Explore Docker Desktop When you open Docker Desktop, the Docker Desktop Dashboard is the first thing you see. It provides a centralized interface to manage your containers, images, volumes, builds, Kubernetes resources, and logs. The Dashboard also gives you quick access to AI tooling, extensions, settings, and help…

OpenAI text-embedding-3-large	**#1**	RR 1.00	1:1426 0.66	2:1429 0.63	3:780 0.62	4:1206 0.62	5:781 0.61
Qwen3 Embedding 8B	**#1**	RR 1.00	1:1426 0.84	2:1429 0.74	3:1442 0.74	4:1049 0.73	5:1205 0.72
OpenAI text-embedding-3-small	**#1**	RR 1.00	1:1426 0.68	2:1429 0.67	3:1283 0.65	4:416 0.63	5:451 0.63

Q34 Who is allowed to remove repository tags on Docker Hub, and what limitation applies to immutable tags?

Expected chunk

#1660 1. Sign in to Docker Hub. 2. Select **My Hub** > **Repositories**. A list of your repositories appears. 3. Select a repository. The **General** page for the repository appears. 4. Select the **Tags** tab. You can select a tag's digest to see more details. ## Delete repository tags Only the repository owner or other te…

OpenAI text-embedding-3-large	#3	RR 0.33	1:1642 0.71	2:1643 0.70	3:1660 0.66	4:1644 0.57	5:437 0.53
	Top result is a distractor: # Immutable tags on Docker Hub Immutable tags provide a way to ensure that specific image versions remain unchanged once they are published to Docker Hub. This feature helps maint…						
Qwen3 Embedding 8B	**#1**	RR 1.00	1:1660 0.86	2:1643 0.85	3:1642 0.82	4:1646 0.76	5:1644 0.74
OpenAI text-embedding-3-small	#3	RR 0.33	1:1642 0.72	2:1643 0.66	3:1660 0.59	4:1644 0.59	5:1553 0.53
	Top result is a distractor: # Immutable tags on Docker Hub Immutable tags provide a way to ensure that specific image versions remain unchanged once they are published to Docker Hub. This feature helps maint…						

Q35 How do I create and configure a profile in Docker Desktop's MCP Toolkit?

Expected chunk

#1113 ## Creating and managing profiles ### Create a profile 1. In Docker Desktop, select **MCP Toolkit** and select the **Profiles** tab. 2. Select **Create profile**. 3. Enter a name for your profile (e.g., "web-dev"). 4. Optionally, search and add servers to your profile now, or add them later. 5. Optionally, search and…

OpenAI text-embedding-3-large	**#1**	RR 1.00	1:1113 0.78	2:1121 0.76	3:1094 0.75	4:1092 0.75	5:1093 0.74
Qwen3 Embedding 8B	#2	RR 0.50	1:1094 0.85	2:1113 0.84	3:1095 0.81	4:1092 0.80	5:1065 0.80
	Top result is a distractor: > [!TIP] > Prefer working from the terminal? See Use MCP Toolkit from the CLI > for instructions on using the `docker mcp` commands. ## Create a profile Profiles organize your MCP…						
OpenAI text-embedding-3-small	#2	RR 0.50	1:1094 0.80	2:1113 0.77	3:1093 0.76	4:1092 0.76	5:1095 0.75
	Top result is a distractor: > [!TIP] > Prefer working from the terminal? See Use MCP Toolkit from the CLI > for instructions on using the `docker mcp` commands. ## Create a profile Profiles organize your MCP…						

Q36 What are recommended practices for handling environment variables in Docker Compose?

Expected chunk

#576 # Best practices for working with environment variables in Docker Compose #### Handle sensitive information securely Be cautious about including sensitive data in environment variables. Consider using Secrets for managing sensitive information. #### Understand environment variable precedence Be aware of how Docker Com…

OpenAI text-embedding-3-large	#1	RR 1.00	1:576 0.72	2:588 0.64	3:608 0.62	4:577 0.61	5:575 0.61
Qwen3 Embedding 8B	#2	RR 0.50	1:575 0.81	2:576 0.81	3:598 0.76	4:607 0.74	5:600 0.74
OpenAI text-embedding-3-small	#1	RR 1.00	1:576 0.75	2:588 0.70	3:575 0.69	4:578 0.67	5:607 0.65

Top result is a distractor: # Environment variables in Compose Environment variables and interpolation in Docker Compose help you create reusable, flexible configurations. This makes Dockerized applications…

Q37 What must I do to prepare Docker Desktop for Linux sign-in, and why is the `pass` utility needed?

Expected chunk

#1248 Add your user to the kvm group in order to access the kvm device: ```console $ sudo usermod -aG kvm $USER ``` Sign out and sign back in so that your group membership is re-evaluated. ## Signing in with Docker Desktop for Linux Docker Desktop for Linux relies on `pass` to store credentials in GPG-encrypted files. Befor…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1248 0.76	2:1249 0.66	3:1261 0.59	4:1275 0.59	5:1352 0.58
Qwen3 Embedding 8B	#1	RR 1.00	1:1248 0.81	2:1249 0.71	3:793 0.68	4:814 0.68	5:802 0.68
OpenAI text-embedding-3-small	#1	RR 1.00	1:1248 0.69	2:1249 0.68	3:1427 0.65	4:802 0.64	5:1807 0.64

Q38 What steps and prerequisites are required before deactivating a Docker organization?

Expected chunk

#431 # Deactivate an organization Learn how to deactivate a Docker organization, including required prerequisite steps. For information about deactivating user accounts, see Deactivate a Docker account. > [!WARNING] > > All Docker products and services that use this organization are > inaccessible after you deactivate it.…

OpenAI text-embedding-3-large	#1	RR 1.00	1:431 0.78	2:432 0.75	3:395 0.64	4:483 0.56	5:430 0.56
Qwen3 Embedding 8B	#2	RR 0.50	1:432 0.89	2:431 0.88	3:395 0.81	4:396 0.73	5:1924 0.72
OpenAI text-embedding-3-small	#1	RR 1.00	1:431 0.78	2:432 0.76	3:395 0.72	4:396 0.66	5:430 0.61

Top result is a distractor: ## Deactivate > [!WARNING] > > Deactivating an organization is permanent and can't be undone. Make sure > you've gathered all the data you need before you deactivate it. 1. Sign i…

Q39 What is the purpose of an OIDC connection in Docker, and how does it work with external vendors?

Expected chunk

#1871 # OIDC connections overview OIDC connections create a trust relationship between Docker and a trusted third party so you don't have to maintain long-lived credentials. When you create an OIDC connection, Docker exchanges short-lived tokens with another vendor that can grant fine-grained access to your Docker resources…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1871 0.69	2:1872 0.56	3:1874 0.53	4:1876 0.52	5:1833 0.50
Qwen3 Embedding 8B	#1	RR 1.00	1:1871 0.84	2:1874 0.78	3:1872 0.73	4:1876 0.72	5:1833 0.71
OpenAI text-embedding-3-small	#1	RR 1.00	1:1871 0.74	2:1833 0.60	3:1874 0.59	4:1870 0.59	5:1872 0.57

Q40 How does two-factor authentication protect an individual Docker account, and what should organizations use instead for centralized sign-in control?

Expected chunk

#1861 # Two-factor authentication for your individual Docker account Two-factor authentication (2FA) adds a code from an authenticator app to your password when you sign in to your Docker account. Someone who knows your password still needs the code from your device to sign in. > [!TIP] > > Organization and company settings…

OpenAI text-embedding-3-large	#3	RR 0.33	1:1829 0.69	2:1869 0.64	3:1861 0.64	4:389 0.60	5:1811 0.58
Qwen3 Embedding 8B	#3	RR 0.33	1:1829 0.82	2:1869 0.77	3:1861 0.76	4:389 0.71	5:1797 0.71
OpenAI text-embedding-3-small	#2	RR 0.50	1:1829 0.75	2:1861 0.74	3:1869 0.73	4:1864 0.71	5:1865 0.68

Top result is a distractor: # Secure Docker accounts and organizations Use these settings to protect your own sign-in, and to control who can join an organization and what they can do. You configure them in…

Q41 Is Docker Desktop supported in persistent and non-persistent VDI environments, and what is the difference?

Expected chunk

#1341 ### Persistent and non-persistent environments Whichever platform you use, Docker Desktop support depends on the virtual desktop persisting between sessions: - Persistent VDI environments: supported. You receive the same virtual desktop instance across sessions, preserving installed software and configurations. - Non-…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1341 0.81	2:1340 0.76	3:1338 0.62	4:1807 0.57	5:780 0.57
Qwen3 Embedding 8B	#1	RR 1.00	1:1341 0.88	2:1340 0.79	3:1338 0.72	4:1342 0.69	5:1304 0.69
OpenAI text-embedding-3-small	#1	RR 1.00	1:1341 0.81	2:1340 0.75	3:2116 0.64	4:2115 0.62	5:1338 0.61

Q42 What happens to running containers when I clone a Docker volume, and what steps do I follow to create the clone?

Expected chunk

#1480 #### Exports The **Exports** tab lets you export the volume, view a log of past exports, and manage a scheduled export. See export the volume. ## Clone a volume Cloning a volume creates a new volume with a copy of all of the data from the cloned volume. When cloning a volume used by one or more running containers, the…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1480 0.54	2:282 0.49	3:283 0.49	4:281 0.47	5:287 0.46
Qwen3 Embedding 8B	#1	RR 1.00	1:1480 0.78	2:286 0.62	3:282 0.62	4:281 0.60	5:1481 0.60
OpenAI text-embedding-3-small	#1	RR 1.00	1:1480 0.56	2:282 0.56	3:298 0.52	4:299 0.52	5:281 0.51

Q43 How can I use VS Code with Docker and WSL 2 while keeping my project inside the Linux distribution?

Expected chunk

#1196 # Use WSL The following section describes how to start developing your applications using Docker and WSL 2. For the best development experience, store your code inside your default Linux distribution. After you have turned on the WSL 2 feature on Docker Desktop, you can start working with your code inside the Linux di…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1196 0.69	2:1197 0.63	3:1186 0.59	4:1193 0.58	5:1187 0.57
Qwen3 Embedding 8B	#1	RR 1.00	1:1196 0.88	2:1197 0.75	3:1184 0.73	4:1182 0.72	5:1183 0.72
OpenAI text-embedding-3-small	#1	RR 1.00	1:1196 0.75	2:1193 0.66	3:1197 0.65	4:1184 0.64	5:1182 0.64

Q44 What is a Docker ID, and does it change if I update my email address or sign-in method?

Expected chunk

#389 # Docker individual accounts A Docker account is how Docker identifies you. Use it to access products like Docker Hub and Docker Desktop, manage settings, and join organizations. ## Docker ID, email, and sign-in When you create an account, you choose a Docker ID and a sign-in method. Docker also ties a verified email…

OpenAI text-embedding-3-large	#1	RR 1.00	1:389 0.68	2:1792 0.64	3:398 0.60	4:397 0.58	5:392 0.56
Qwen3 Embedding 8B	#1	RR 1.00	1:389 0.81	2:397 0.78	3:1792 0.78	4:398 0.75	5:391 0.72

OpenAI text-embedding-3-small

#2 RR 0.50 `1:1792 0.73` `2:389 0.71` `3:398 0.66` `4:397 0.65` `5:392 0.64`

Top result is a distractor: # Account FAQs ## Individual accounts ### What is a Docker ID? A Docker ID is a username for your Docker account that lets you access Docker products. To create a Docker ID you ne…

Q45 How are paths in Compose's env_file entries resolved, and does docker run support the same .env interpolation behavior?

Expected chunk

#601 The paths to your `.env` file, specified in the `env_file` attribute, are relative to the location of your `compose.yaml` file. > [!IMPORTANT] > > Interpolation in `.env` files is a Docker Compose CLI feature. > > It is not supported when running `docker run --env-file ...`. ### Additional information

OpenAI text-embedding-3-large

#1 RR 1.00 `1:601 0.68` `2:602 0.65` `3:606 0.63` `4:607 0.58` `5:578 0.57`

Qwen3 Embedding 8B

#1 RR 1.00 `1:601 0.84` `2:602 0.79` `3:606 0.73` `4:575 0.72` `5:586 0.72`

OpenAI text-embedding-3-small

#1 RR 1.00 `1:601 0.76` `2:606 0.70` `3:602 0.68` `4:578 0.66` `5:604 0.66`

Q46 How do I make a container service accessible from my host computer using Docker port publishing?

Expected chunk

#289 # Publishing and exposing ports ## Explanation If you've been following the guides so far, you understand that containers provide isolated processes for each component of your application. Each component - a React frontend, a Python API, and a Postgres database - runs in its own sandbox environment, completely isolate…

OpenAI text-embedding-3-large

#1 RR 1.00 `1:289 0.63` `2:290 0.60` `3:1142 0.58` `4:1141 0.58` `5:292 0.57`

Qwen3 Embedding 8B

#3 RR 0.33 `1:1142 0.83` `2:290 0.77` `3:289 0.77` `4:293 0.76` `5:291 0.74`

Top result is a distractor: #### Example Run a simple HTTP server on port `8000`: ```console $ python -m http.server 8000 ``` Then run a container, install `curl`, and try to connect to the host using the fo…

OpenAI text-embedding-3-small

#3 RR 0.33 `1:290 0.63` `2:291 0.60` `3:289 0.60` `4:294 0.57` `5:303 0.56`

Top result is a distractor: ```console $ docker run -d -p HOST_PORT:CONTAINER_PORT nginx ``` - `HOST_PORT`: The port number on your host machine where you want to receive traffic - `CONTAINER_PORT`: The port…

Q47 What tasks can Docker Compose perform for a multi-container application besides starting its services?

Expected chunk

#507 # Docker Compose Docker Compose is a tool for defining and running multi-container applications. It is the key to unlocking a streamlined and efficient development and deployment experience. Compose simplifies the control of your entire application stack, making it easy to manage services, networks, and volumes in a s…

OpenAI text-embedding-3-large

#1 RR 1.00 `1:507 0.69` `2:257 0.66` `3:258 0.65` `4:760 0.63` `5:370 0.63`

Qwen3 Embedding 8B

#1 RR 1.00 `1:507 0.80` `2:370 0.75` `3:336 0.75` `4:748 0.74` `5:265 0.74`

OpenAI text-embedding-3-small

#1 RR 1.00 `1:507 0.71` `2:257 0.65` `3:335 0.65` `4:753 0.64` `5:760 0.63`

Q48 How can I install or update the Docker Compose CLI plugin on Ubuntu, Debian, or an RPM-based Linux distribution?

Expected chunk

#739 ```console $ sudo yum update $ sudo yum install docker-compose-plugin ``` 3. Verify that Docker Compose is installed correctly by checking the version. ```console $ docker compose version ``` ### Update Docker Compose To update the Docker Compose plugin, run the following commands: * For Ubuntu and Debian, run: ```con…

OpenAI text-embedding-3-large	#1	RR 1.00	1:739 0.74	2:738 0.72	3:740 0.70	4:747 0.67	5:746 0.60
Qwen3 Embedding 8B	#1	RR 1.00	1:739 0.88	2:738 0.87	3:740 0.82	4:736 0.76	5:746 0.74
OpenAI text-embedding-3-small	#2	RR 0.50	1:738 0.78	2:739 0.74	3:736 0.65	4:747 0.64	5:740 0.64

Top result is a distractor: # Install the Docker Compose plugin This page contains instructions on how to install the Docker Compose plugin on Linux from the command line. To install the Docker Compose plugi…

Q49 What changes when a Docker Hub repository is archived, and can users still download its images?

Expected chunk

#1553 # Archive or unarchive a repository You can archive a repository on Docker Hub to mark it as read-only and indicate that it's no longer actively maintained. This helps prevent the use of outdated or unsupported images in workflows. Archived repositories can also be unarchived if needed. Docker Hub highlights repositor…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1553 0.69	2:1554 0.63	3:1552 0.53	4:1550 0.51	5:1558 0.50
Qwen3 Embedding 8B	#1	RR 1.00	1:1553 0.85	2:1554 0.82	3:1661 0.69	4:1454 0.68	5:1552 0.67
OpenAI text-embedding-3-small	#1	RR 1.00	1:1553 0.69	2:1554 0.68	3:1552 0.55	4:1671 0.53	5:1496 0.51

Q50 Which identity providers and Docker subscription types are required to configure single sign-on?

Expected chunk

#1897 # Single sign-on overview Single sign-on (SSO) lets users access Docker by authenticating through your identity provider (IdP). Docker supports any SAML 2.0 identity provider, and Microsoft Entra ID (formerly Azure AD) for OpenID Connect (OIDC). You can configure SSO for an entire company, including all associated org…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1897 0.68	2:1870 0.67	3:1813 0.66	4:1812 0.64	5:1900 0.63
Qwen3 Embedding 8B	#1	RR 1.00	1:1897 0.85	2:1900 0.82	3:1870 0.82	4:1813 0.79	5:799 0.78
OpenAI text-embedding-3-small	#1	RR 1.00	1:1897 0.73	2:1813 0.72	3:1900 0.70	4:1870 0.70	5:1814 0.69

Q51 How do I search Docker Desktop logs, move between matching entries, and clear the terminal?

Expected chunk

#1445 ### Logs Select **Logs** to view output from the container in real time. While viewing logs, you can: - Use `Cmd + f`/`Ctrl + f` to open the search bar and find specific entries. Search matches are highlighted in yellow. - Press `Enter` or `Shift + Enter` to jump to the next or previous search match respectively. - Us…

OpenAI text-embedding-3-large	#4	RR 0.25	1:1471 0.64	2:1468 0.62	3:1469 0.60	4:1445 0.59	5:1470 0.59

Top result is a distractor: You can also choose **Clear logs** to remove log entries from the view (available with Docker Desktop 4.79 and later). A dialog lets you choose between two options: - **Clear all…

Qwen3 Embedding 8B	#3	RR 0.33	1:1471 0.78	2:1468 0.75	3:1445 0.74	4:1470 0.72	5:1389 0.66

Top result is a distractor: You can also choose **Clear logs** to remove log entries from the view (available with Docker Desktop 4.79 and later). A dialog lets you choose between two options: - **Clear all…

OpenAI text-embedding-3-small	#1	RR 1.00	1:1445 0.61	2:1471 0.60	3:1381 0.60	4:1468 0.59	5:1049 0.59

Q52 What causes Docker Hub errors with status 429, and how should I prevent repeated requests?

Expected chunk

#1769 ## Too many requests (429 response code) ### Error message When this issue occurs, you receive following error message in the Docker CLI or in the Docker Engine logs: ```text Too Many Requests ``` ### Possible causes - You have reached the Abuse rate limit. ### Solution 1. Check for broken CI/CD pipelines accessing Do…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1769 0.72	2:1768 0.68	3:1772 0.55	4:1770 0.52	5:1496 0.52

Qwen3 Embedding 8B	#1	RR 1.00	1:1769 0.86	2:1768 0.83	3:1772 0.73	4:1788 0.69	5:1776 0.66
OpenAI text-embedding-3-small	#2	RR 0.50	1:1768 0.70	2:1769 0.64	3:1772 0.53	4:1496 0.51	5:1862 0.51

Top result is a distractor: # Troubleshoot Docker Hub If you experience issues with Docker Hub, refer to the following solutions. ## You have reached your pull rate limit (429 response code) ### Error messag…

Q53 What should I consider about billing, seats, and refunds before merging Docker organizations?

Expected chunk

#497 You can now view your new organization. ## View an organization 1. Sign in to Docker Home. 1. Select your organization. Docker Home lists the options you use to configure the organization. ## Merge organizations > [!WARNING] > > Merge organizations at the end of your billing cycle. When you merge an > organization and…

OpenAI text-embedding-3-large	#2	RR 0.50	1:2104 0.64	2:497 0.64	3:461 0.61	4:460 0.60	5:387 0.58
Qwen3 Embedding 8B	#1	RR 1.00	1:497 0.84	2:2104 0.73	3:2058 0.69	4:461 0.69	5:387 0.68
OpenAI text-embedding-3-small	#2	RR 0.50	1:2104 0.65	2:497 0.62	3:461 0.62	4:460 0.60	5:2105 0.60

Top result is a distractor: 1. Sign in to Docker Home and go to **Billing**. 1. From **Active subscriptions**, select the action menu next to your Docker plan. 1. Select **Switch to annual billing**. 1. Revi…

Q54 How can I confirm that an image migration preserved the same digest, including for multi-platform images?

Expected chunk

#1638 ```bash #!/usr/bin/env bash set -euo pipefail SRC_ORG="oldorg" DEST_ORG="neworg" REPO="myapp" TAG="1.2.3" SRC_IMAGE="${SRC_ORG}/${REPO}:${TAG}" DEST_IMAGE="${DEST_ORG}/${REPO}:${TAG}" # Using crane SRC_DIGEST=$(crane digest "${SRC_IMAGE}") DEST_DIGEST=$(crane digest "${DEST_IMAGE}") # Using regctl (alternative) # SRC_…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1638 0.64	2:1637 0.61	3:1640 0.59	4:1741 0.54	5:1632 0.53
Qwen3 Embedding 8B	#1	RR 1.00	1:1638 0.78	2:1640 0.75	3:1632 0.68	4:1637 0.67	5:1742 0.65
OpenAI text-embedding-3-small	#1	RR 1.00	1:1638 0.60	2:1632 0.57	3:1742 0.55	4:1637 0.52	5:1640 0.50

Q55 How do I invite a pilot user and create a Docker Desktop policy that applies only to that person?

Expected chunk

#359 ## Invite the pilot user 1. Sign in to Docker Home and select your organization. 1. Select **Members**, then **Invite**. 1. Select **Emails or usernames** and enter the pilot user's email address. 1. Assign the **Member** role and a Docker Desktop license, then send the invitation. 1. Have the pilot user accept the in…

OpenAI text-embedding-3-large	#1	RR 1.00	1:359 0.79	2:358 0.72	3:360 0.62	4:503 0.58	5:490 0.54
Qwen3 Embedding 8B	#1	RR 1.00	1:359 0.91	2:358 0.82	3:360 0.78	4:950 0.72	5:489 0.72
OpenAI text-embedding-3-small	#1	RR 1.00	1:359 0.86	2:358 0.75	3:360 0.69	4:503 0.61	5:832 0.59

Q56 How are the Containers proxy and Docker Desktop proxy different when Docker Desktop accesses the network?

Expected chunk

#1138 Host firewalls can permit or deny inbound connections by filtering on `com.docker.backend`. ## Using Docker Desktop with a proxy Docker Desktop can use your system's default proxy settings or custom settings that you configure with Docker Desktop's proxy setting. Docker Desktop routes traffic through two separate prox…

OpenAI text-embedding-3-large	#3	RR 0.33	1:977 0.70	2:1219 0.65	3:1138 0.65	4:1137 0.64	5:870 0.63

Top result is a distractor: ### Proxy settings Docker Desktop has two distinct proxy settings with different scopes: - `proxy` (App Proxy): Governs Docker Desktop host-level traffic — the Desktop application…

Qwen3 Embedding 8B	#1	RR 1.00	1:1138 0.84	2:977 0.82	3:1144 0.78	4:1220 0.77	5:1025 0.77
OpenAI text-embedding-3-small	#2	RR 0.50	1:977 0.74	2:1138 0.72	3:1348 0.69	4:1144 0.68	5:1224 0.68

Top result is a distractor: ### Proxy settings Docker Desktop has two distinct proxy settings with different scopes: - `proxy` (App Proxy): Governs Docker Desktop host-level traffic — the Desktop application…

Q57 How can separate Compose projects connect their services through one pre-existing Docker network?

Expected chunk

#693 ## Use an existing external network If you've manually created a bridge network using `docker network create`, you can connect your Compose services to it by marking the network as `external`: ```yaml services: # ... networks: network1: name: my-pre-existing-network external: true ``` Instead of creating `_default`, C…

OpenAI text-embedding-3-large	#1	RR 1.00	1:693 0.64	2:683 0.64	3:694 0.62	4:692 0.60	5:685 0.59
Qwen3 Embedding 8B	#1	RR 1.00	1:693 0.83	2:683 0.80	3:694 0.79	4:689 0.74	5:690 0.73
OpenAI text-embedding-3-small	#1	RR 1.00	1:693 0.68	2:694 0.63	3:685 0.62	4:570 0.62	5:692 0.62

Q58 When Enhanced Container Isolation is enabled, which runtime do containers use, can it be bypassed, and what performance impact should I expect?

Expected chunks

#882 ## Who should use Enhanced Container Isolation? ECI is designed for: - Organizations that want to prevent container-based attacks and reduce security vulnerabilities in developer environments - Security teams that need stronger container isolation without impacting developer workflows - Enterprises that require additi…

#909 ## Does ECI affect container performance? ECI has minimal impact on container performance. The only exception is containers that perform many `mount` and `umount` system calls, as these are inspected by the Sysbox runtime for security. Most development workloads see no noticeable performance difference. ## Can I overr…

OpenAI text-embedding-3-large	#3	RR 0.33	1:892 0.68	2:1005 0.68	3:882 0.66	4:883 0.65	5:909 0.65
	Top result is a distractor: ## Performance and compatibility Enhanced Container Isolation maintains optimized performance and full compatibility: - No performance impact: System call filtering targets only c…						
Qwen3 Embedding 8B	#3	RR 0.33	1:892 0.81	2:907 0.75	3:882 0.74	4:903 0.73	5:1335 0.73
	Top result is a distractor: ## Performance and compatibility Enhanced Container Isolation maintains optimized performance and full compatibility: - No performance impact: System call filtering targets only c…						
OpenAI text-embedding-3-small	#3	RR 0.33	1:1005 0.75	2:892 0.70	3:882 0.64	4:883 0.62	5:907 0.62
	Top result is a distractor: ### Enhanced Container Isolation						

Q59 What configuration is needed to use a provider service in Compose, and how does an application depend on it?

Expected chunk

#723 ## Using provider services To use a provider service in your Compose file, you need to: 1. Define a service with the `provider` attribute 2. Specify the `type` of provider you want to use 3. Configure any provider-specific options 4. Declare dependencies from your application services to the provider service Here's a…

OpenAI text-embedding-3-large	#1	RR 1.00	1:723 0.74	2:722 0.71	3:726 0.70	4:724 0.68	5:725 0.58
Qwen3 Embedding 8B	#1	RR 1.00	1:723 0.85	2:724 0.78	3:726 0.77	4:722 0.77	5:725 0.67
OpenAI text-embedding-3-small	#1	RR 1.00	1:723 0.80	2:722 0.78	3:726 0.73	4:724 0.70	5:727 0.65

Q60 What is the purpose of a `.syncignore` file, and where must it be located for Docker to use it?

Expected chunk

#1154 Selecting a file share instance expands the dropdown and exposes this information. ## Use `.syncignore` You can use a `.syncignore` file at the root of each file share, to exclude local files from your file share instance. It supports the same syntax as `.dockerignore` files and excludes, and/or re-includes, paths fro…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1154 0.59	2:1155 0.54	3:1153 0.49	4:624 0.47	5:623 0.46
Qwen3 Embedding 8B	#1	RR 1.00	1:1154 0.82	2:1155 0.67	3:624 0.63	4:241 0.61	5:1151 0.60
OpenAI text-embedding-3-small	#1	RR 1.00	1:1154 0.65	2:1155 0.57	3:623 0.53	4:1151 0.52	5:621 0.50

Q61 How can I use a value from a `.env` file inside a Docker Compose service's environment settings?

Expected chunk

#608 Basic example: ```console $ cat .env ## define COMPOSE_DEBUG based on DEV_MODE, defaults to false COMPOSE_DEBUG=-${DEV_MODE:-false} $ cat compose.yaml services: webapp: image: my-webapp-image environment: - DEBUG=${COMPOSE_DEBUG} $ DEV_MODE=true docker compose config services: webapp: environment: DEBUG: "true" ``` ###…

OpenAI text-embedding-3-large	#1	RR 1.00	1:608 0.62	2:616 0.59	3:607 0.58	4:600 0.58	5:612 0.58
Qwen3 Embedding 8B	#1	RR 1.00	1:608 0.80	2:586 0.78	3:607 0.76	4:601 0.76	5:616 0.76
OpenAI text-embedding-3-small	#2	RR 0.50	1:607 0.71	2:608 0.69	3:600 0.66	4:612 0.66	5:616 0.66

Top result is a distractor: You can check variables and values used by Compose to interpolate the Compose model by running `docker compose config --environment`. ### `.env` file An `.env` file in Docker Comp…

Q62 What environment variable can override the deployment key used by Docker Hub automated builds?

Expected chunk

#1620 To work around this, you can set up your automated build using the `SSH_PRIVATE` environment variable to override the deployment key and grant Docker Hub's build system access to the repositories. > [!NOTE] > > If you are using autobuild for teams, use the process below > instead, and configure a service user for your…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1620 0.68	2:1570 0.61	3:1609 0.57	4:1616 0.56	5:1621 0.54
Qwen3 Embedding 8B	#1	RR 1.00	1:1620 0.79	2:1609 0.78	3:1575 0.76	4:1608 0.75	5:1570 0.75
OpenAI text-embedding-3-small	#1	RR 1.00	1:1620 0.68	2:1570 0.59	3:1609 0.59	4:1571 0.56	5:1621 0.54

Q63 Where can I cancel a Docker Hub automated build that is currently queued or running?

Expected chunk

#1591 # Manage autobuilds > [!WARNING] > Docker Hub Automated Builds is a deprecated feature. > It will be fully retired on April 1, 2027. > See the migration guide to move to a supported CI/CD workflow. > [!NOTE] > > Automated builds require a Docker Pro, Team, or Business subscription. ## Cancel or retry a build While a b…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1591 0.67	2:1593 0.60	3:1592 0.56	4:1618 0.56	5:1619 0.51
Qwen3 Embedding 8B	#1	RR 1.00	1:1591 0.88	2:1593 0.82	3:1592 0.75	4:1603 0.75	5:1618 0.74

OpenAI text-embedding-3-small	#2	RR 0.50	1:1593 0.71	2:1591 0.63	3:1592 0.62	4:1619 0.59	5:1618 0.59

Top result is a distractor: To disable an automated build: 1. In Docker Hub, go to **My Hub** > **Repositories**, select a repository, and select the **Builds** tab. 2. Select **Configure automated builds**…

Q64 How do I switch Docker Desktop between the containerd and classic image stores?

Expected chunk

#1046 ## Switch image stores The containerd image store is enabled by default. To switch between image stores: 1. Navigate to **Settings** in Docker Desktop. 2. In the **General** tab, check or clear the **Use containerd for pulling and storing images** option. 3. Select **Apply**. > [!NOTE] > > Docker Desktop maintains sep…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1046 0.75	2:1045 0.66	3:1044 0.62	4:1241 0.59	5:1169 0.56
Qwen3 Embedding 8B	#1	RR 1.00	1:1046 0.88	2:1044 0.73	3:1045 0.73	4:1241 0.68	5:1169 0.67
OpenAI text-embedding-3-small	#1	RR 1.00	1:1046 0.77	2:1045 0.67	3:1044 0.63	4:1047 0.61	5:1260 0.57

Q65 Can I run a Docker Compose service assigned to a profile without manually enabling that profile?

Expected chunk

#716 When a service with assigned `profiles` is explicitly targeted on the command line its profiles are started automatically so you don't need to start them manually. This can be used for one-off services and debugging tools. As an example consider the following configuration: ```yaml services: backend: image: backend db…

OpenAI text-embedding-3-large

#2 RR 0.50 `1:715 0.71` `2:716 0.71` `3:713 0.65` `4:714 0.62` `5:717 0.61`

Top result is a distractor: ```console $ docker compose --profile frontend --profile debug up ``` ```console $ COMPOSE_PROFILES=frontend,debug docker compose up ``` If you want to enable all profiles at the…

Qwen3 Embedding 8B

#4 RR 0.25 `1:715 0.85` `2:713 0.84` `3:714 0.83` `4:716 0.83` `5:592 0.80`

Top result is a distractor: ```console $ docker compose --profile frontend --profile debug up ``` ```console $ COMPOSE_PROFILES=frontend,debug docker compose up ``` If you want to enable all profiles at the…

OpenAI text-embedding-3-small

#2 RR 0.50 `1:715 0.72` `2:716 0.69` `3:714 0.68` `4:717 0.67` `5:713 0.65`

Top result is a distractor: ```console $ docker compose --profile frontend --profile debug up ``` ```console $ COMPOSE_PROFILES=frontend,debug docker compose up ``` If you want to enable all profiles at the…

Q66 What file and service configuration are required for Docker Hub automated tests, and how is the test result determined?

Expected chunk

#1579 ## Set up automated test files To set up your automated tests, create a `docker-compose.test.yml` file which defines a `sut` service that lists the tests to be run. The `docker-compose.test.yml` file should be located in the same directory that contains the Dockerfile used to build the image. For example: ```yaml serv…

OpenAI text-embedding-3-large

#2 RR 0.50 `1:1578 0.61` `2:1579 0.60` `3:1581 0.56` `4:1580 0.53` `5:1604 0.51`

Top result is a distractor: # Automated repository tests > [!WARNING] > Docker Hub Automated Builds is a deprecated feature. > It will be fully retired on April 1, 2027. > See the migration guide to move to…

Qwen3 Embedding 8B

#4 RR 0.25 `1:1578 0.77` `2:1581 0.77` `3:1580 0.76` `4:1579 0.74` `5:1603 0.71`

Top result is a distractor: # Automated repository tests > [!WARNING] > Docker Hub Automated Builds is a deprecated feature. > It will be fully retired on April 1, 2027. > See the migration guide to move to…

OpenAI text-embedding-3-small

Miss RR 0.00 `1:1578 0.63` `2:1581 0.61` `3:1580 0.60` `4:1488 0.57` `5:1604 0.57`

Top result is a distractor: # Automated repository tests > [!WARNING] > Docker Hub Automated Builds is a deprecated feature. > It will be fully retired on April 1, 2027. > See the migration guide to move to…

Q67 What steps are required to enable two-factor authentication on a Docker account?

Expected chunk

#1864 ## Enable two-factor authentication To turn on 2FA for your Docker account: 1. Sign in to your Docker account. 1. Select your avatar in the top-right corner, then select **Account settings**. 1. Select **2FA**. 1. Enter your account password, then select **Confirm**. 1. Save your recovery code. Select **Copy**, or ope…

OpenAI text-embedding-3-large

#2 RR 0.50 `1:1863 0.74` `2:1864 0.73` `3:1861 0.72` `4:1868 0.64` `5:1865 0.63`

Top result is a distractor: # Manage two-factor authentication for your Docker account Turn two-factor authentication (2FA) on or off for your Docker account in **Account settings**. For how 2FA works, when…

Qwen3 Embedding 8B

#2 RR 0.50 `1:1863 0.90` `2:1864 0.88` `3:1861 0.86` `4:1829 0.80` `5:1865 0.79`

Top result is a distractor: # Manage two-factor authentication for your Docker account Turn two-factor authentication (2FA) on or off for your Docker account in **Account settings**. For how 2FA works, when…

OpenAI text-embedding-3-small	#1	RR 1.00	1:1864 0.80	2:1863 0.77	3:1865 0.76	4:1861 0.73	5:1868 0.70

Q68 When creating a Docker access token, can I view or recover the token after leaving the generation page?

Expected chunk

#1844 - Select one level. - Select **No repository access** when the token should not access repositories. - **Allow Cloud Sandboxes access:** Select this to let the token create and use Cloud Sandboxes. You can add it to any repository permission, or use it with **No repository access**. 1. Select **Generate**. Copy the to…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1844 0.62	2:1839 0.56	3:1843 0.56	4:1838 0.54	5:1846 0.52
Qwen3 Embedding 8B	#1	RR 1.00	1:1844 0.77	2:1843 0.75	3:1838 0.73	4:1842 0.73	5:1793 0.72
OpenAI text-embedding-3-small	#2	RR 0.50	1:1843 0.61	2:1844 0.60	3:1838 0.59	4:1793 0.57	5:1840 0.56

Top result is a distractor: 1. Sign in to Docker Home. 1. Select your avatar in the top-right corner, then select **Account settings**. 1. Select **Personal access tokens**. 1. Select **Generate new token**.…

Q69 How can I remove Docker Desktop from a Mac using either the Dashboard or a terminal command?

Expected chunks

#1382 If you are a Mac user, you also have the option to **Uninstall** Docker Desktop from your system. ## Diagnose > [!NOTE] > > Gathering diagnostics may take several minutes. Don't close Docker Desktop while the diagnostics are being collected. ### Diagnose from the app

#1419 #### From the GUI 1. Open Docker Desktop. 2. In the top-right corner of the Docker Desktop Dashboard, select the **Troubleshoot** icon. 3. Select **Uninstall**. 4. When prompted, confirm by selecting **Uninstall** again. You can then move the Docker application to the trash. #### From the CLI Run: ```console $ /Applic…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1419 0.73	2:1420 0.68	3:1421 0.63	4:1418 0.62	5:1417 0.59
Qwen3 Embedding 8B	#1	RR 1.00	1:1419 0.84	2:1420 0.78	3:1421 0.76	4:1382 0.74	5:1417 0.73
OpenAI text-embedding-3-small	#1	RR 1.00	1:1419 0.76	2:1420 0.71	3:1417 0.67	4:1382 0.67	5:1418 0.65

Q70 What system requirements and preliminary packages are needed to install Docker Desktop on Ubuntu?

Expected chunk

#1267 # Install Docker Desktop on Ubuntu > **Docker Desktop terms** > > Commercial use of Docker Desktop in larger enterprises (more than 250 > employees or more than $10 million USD in annual revenue) requires a paid > subscription. This page contains information on how to install, launch and upgrade Docker Desktop on an U…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1267 0.73	2:1245 0.70	3:1244 0.67	4:1268 0.66	5:1253 0.64
Qwen3 Embedding 8B	#1	RR 1.00	1:1267 0.83	2:1245 0.77	3:1268 0.76	4:1244 0.76	5:1253 0.73
OpenAI text-embedding-3-small	#3	RR 0.33	1:1245 0.76	2:1244 0.71	3:1267 0.68	4:1238 0.67	5:1268 0.66

Top result is a distractor: ## General system requirements To install Docker Desktop successfully, your Linux host must meet the following general requirements: - 64-bit kernel and CPU support for virtualiza…

Q71 What information is included in Docker Hub’s image usage analytics, and what can the Extensions section show?

Expected chunk

#427 The Docker Hub images section shows which images your users pull and push, and how often. Use it to see which images matter most to your organization and to confirm that users pull from the sources you expect. Image data covers Docker Hub only. Third-party registries and mirrors are excluded. | Data | Description | |…

OpenAI text-embedding-3-large	#1	RR 1.00	1:427 0.75	2:1682 0.64	3:1501 0.63	4:1721 0.60	5:1502 0.57
Qwen3 Embedding 8B	#1	RR 1.00	1:427 0.87	2:1679 0.79	3:1689 0.79	4:1721 0.78	5:1684 0.78
OpenAI text-embedding-3-small	#1	RR 1.00	1:427 0.76	2:1682 0.69	3:451 0.68	4:1673 0.67	5:1721 0.66

Q72 What steps should I follow to leave a company organization, and what must I do if I am its only owner?

Expected chunk

#381 If you are the only company owner, add another owner before you can leave. ## Leave an organization in the company 1. Sign in to Docker Home and select your company. 1. Select **Users**. 1. Find your account and select the **Actions** menu, then select **Leave organization**. If you belong to more than one organizatio…

OpenAI text-embedding-3-large	#1	RR 1.00	1:381 0.57	2:485 0.52	3:380 0.49	4:486 0.49	5:377 0.39
Qwen3 Embedding 8B	#1	RR 1.00	1:381 0.72	2:486 0.65	3:485 0.61	4:380 0.52	5:379 0.52
OpenAI text-embedding-3-small	#1	RR 1.00	1:381 0.66	2:486 0.61	3:485 0.55	4:380 0.55	5:379 0.52

Q73 Which Windows container modes are available in Docker Desktop, and what installation restriction applies to Windows containers?

Expected chunk

#1319 See the FAQs on how to install and run Docker Desktop without needing administrator privileges. If you're an IT admin and your users do not have administrator rights and plan to perform operations that require elevated privileges, be sure to install Docker Desktop using the `--always-run-service` installer flag. This…

OpenAI text-embedding-3-large — #4 RR 0.25 `1:1296 0.69` `2:1335 0.68` `3:1336 0.68` `4:1319 0.65` `5:1325 0.62`

Top result is a distractor: _For checksums, see Release notes_ ## Installation modes Docker Desktop supports two installation modes. Per-user installation is recommended for most users and is selected by def…

Qwen3 Embedding 8B — #4 RR 0.25 `1:1296 0.77` `2:1336 0.77` `3:1301 0.75` `4:1319 0.75` `5:1304 0.74`

Top result is a distractor: _For checksums, see Release notes_ ## Installation modes Docker Desktop supports two installation modes. Per-user installation is recommended for most users and is selected by def…

OpenAI text-embedding-3-small — Miss RR 0.00 `1:1335 0.70` `2:1336 0.68` `3:1304 0.65` `4:1188 0.65` `5:1296 0.65`

Top result is a distractor: In addition, Docker Desktop supports Enhanced Container Isolation mode (ECI), available to Business customers only, which further secures containers without impacting developer wo…

Q74 Why would I use a Docker volume, and how do volumes preserve data after a container is removed?

Expected chunk

#281 # Persisting container data ## Explanation When a container starts, it uses the files and configuration provided by the image. Each container is able to create, modify, and delete files and does so without affecting any other containers. When the container is deleted, these file changes are also deleted. While this ep…

OpenAI text-embedding-3-large — #1 RR 1.00 `1:281 0.67` `2:282 0.62` `3:283 0.58` `4:297 0.57` `5:288 0.55`

Qwen3 Embedding 8B — #1 RR 1.00 `1:281 0.76` `2:282 0.73` `3:288 0.71` `4:283 0.71` `5:287 0.69`

OpenAI text-embedding-3-small — #1 RR 1.00 `1:281 0.70` `2:282 0.66` `3:297 0.64` `4:288 0.62` `5:287 0.62`

Q75 How do the legacy and current Docker Compose commands differ, and how do they handle the top-level version field?

Expected chunks

#763 ### Docker Compose CLI versioning Compose v1 was first released in 2014. It was written in Python and invoked with `docker-compose`. Typically, Compose v1 projects include a top-level `version` element in the `compose.yaml` file, with values ranging from `2.0` to `3.8`, which refer to the specific file formats. Compos…

#767 # Frequently asked questions about Docker Compose ### What is the difference between `docker compose` and `docker-compose` Version one of the Docker Compose command-line binary was first released in 2014. It was written in Python, and is invoked with `docker-compose`. Typically, Compose v1 projects include a top-level…

OpenAI text-embedding-3-large — #1 RR 1.00 `1:763 0.67` `2:762 0.63` `3:765 0.61` `4:767 0.61` `5:764 0.58`

Qwen3 Embedding 8B — #2 RR 0.50 `1:762 0.80` `2:767 0.79` `3:763 0.78` `4:765 0.78` `5:764 0.75`

Top result is a distractor: # History and development of Docker Compose This page provides: - A brief history of the development of the Docker Compose CLI - A clear explanation of the major versions and file…

OpenAI text-embedding-3-small — #1 RR 1.00 `1:763 0.71` `2:767 0.69` `3:762 0.66` `4:764 0.64` `5:765 0.61`

Q76 What support options are available to Docker users, and how quickly do Pro, Team, and Business subscribers typically receive responses?

Expected chunks

#2113 # Get support for Docker products Docker offers multiple support channels depending on your subscription level and needs. ## Community support All Docker users can seek support through community resources, where Docker or the community responds on a best-effort basis: - Docker Community Forums - Docker Community Slack…

#394 ## Troubleshooting All Docker users can find troubleshooting help through the Docker Community Forums and the Docker Community Slack. Docker or the community respond on a best-effort basis. If you have a paid Docker subscription, contact the Support team for help. ## Next steps - Manage a Docker account - Enable two-f…

OpenAI text-embedding-3-large	#2	RR 0.50	1:2114 0.73 · 2:2113 0.72 · 3:2116 0.61 · 4:2115 0.59 · 5:2117 0.56
Qwen3 Embedding 8B	#1	RR 1.00	1:2113 0.90 · 2:2114 0.85 · 3:394 0.77 · 4:2119 0.72 · 5:2117 0.71
OpenAI text-embedding-3-small	#2	RR 0.50	1:2114 0.82 · 2:2113 0.81 · 3:2115 0.65 · 4:2102 0.61 · 5:1826 0.61

Top result is a distractor: ### Support response times - Docker Pro: within 5 business days - Docker Team: within 2 business days, 24×5 availability - Docker Business: within 1 business day, 24×5 availabilit…

Top result is a distractor: ### Support response times - Docker Pro: within 5 business days - Docker Team: within 2 business days, 24×5 availability - Docker Business: within 1 business day, 24×5 availabilit…

Q77 How does MCP Gateway start and secure MCP servers when an AI application requests a tool?

Expected chunks

#1107 ## How it works MCP Gateway runs MCP servers in isolated Docker containers with restricted privileges, network access, and resource usage. It includes built-in logging and call-tracing capabilities to ensure full visibility and governance of AI tool activity. The MCP Gateway manages the server's entire lifecycle. When…

#1123 ## How the MCP Toolkit works MCP introduces two core concepts: MCP clients and MCP servers. - MCP clients are typically embedded in LLM-based applications, such as the Claude Desktop app. They request resources or actions. - MCP servers are launched by the client to perform the requested tasks, using any necessary too…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1107 0.79 · 2:1106 0.66 · 3:1059 0.64 · 4:1108 0.63 · 5:1077 0.62
Qwen3 Embedding 8B	#1	RR 1.00	1:1107 0.85 · 2:1106 0.77 · 3:1059 0.72 · 4:1122 0.71 · 5:1057 0.71
OpenAI text-embedding-3-small	#1	RR 1.00	1:1107 0.79 · 2:1106 0.69 · 3:1077 0.67 · 4:1124 0.65 · 5:1058 0.65

Q78 How can an organization owner remove a member completely, and how is that different from removing the member from a team?

Expected chunk

#471 Removing a member from a team revokes their access to that team's permitted resources. To remove someone from the organization entirely when SCIM is enabled, see Remove member from organization. 1. Sign in to Docker Home and select your organization. 1. Select **Teams**, then select the team. 1. Select the **X** next…

OpenAI text-embedding-3-large	#1	RR 1.00	1:471 0.61 · 2:470 0.53 · 3:469 0.49 · 4:379 0.49 · 5:2009 0.47
Qwen3 Embedding 8B	#1	RR 1.00	1:471 0.77 · 2:440 0.74 · 3:1924 0.69 · 4:486 0.69 · 5:470 0.69
OpenAI text-embedding-3-small	#1	RR 1.00	1:471 0.67 · 2:379 0.60 · 3:486 0.57 · 4:470 0.56 · 5:448 0.54

Q79 How does Compose's `include` feature resolve relative paths, and does it also process includes declared by the included files?

Expected chunk

#670 # Include The `include` top-level element helps to reflect the engineering team responsible for the code directly in the config file's organization. It also solves the relative path problem that `extends` and merge present. Each path listed in the `include` section loads as an individual Compose application model, wit…

OpenAI text-embedding-3-large	**#1**	RR 1.00	1:670 0.60	2:671 0.52	3:674 0.52	4:773 0.52	5:672 0.49
Qwen3 Embedding 8B	**#1**	RR 1.00	1:670 0.84	2:672 0.73	3:671 0.69	4:673 0.69	5:663 0.69
OpenAI text-embedding-3-small	**#1**	RR 1.00	1:670 0.73	2:673 0.63	3:672 0.62	4:671 0.58	5:665 0.55

Q80 When multiple Compose files are supplied with `-f`, how are their service settings combined, and which file takes precedence?

Expected chunk

#676 Compose merges files in the order they're specified on the command line. Subsequent files may merge, override, or add to their predecessors. For example: ```console $ docker compose -f compose.yaml -f compose.admin.yaml run backup_db ``` The `compose.yaml` file might specify a `webapp` service. ```yaml webapp: image:…

OpenAI text-embedding-3-large	**#1**	RR 1.00	1:676 0.71	2:675 0.69	3:682 0.68	4:662 0.67	5:721 0.59
Qwen3 Embedding 8B	**#2**	RR 0.50	1:675 0.83	2:676 0.82	3:752 0.80	4:682 0.78	5:662 0.74

Top result is a distractor: # Merge Compose files Docker Compose lets you merge and override a set of Compose files together to create a composite Compose file. By default, Compose reads two files, a `compos…

OpenAI text-embedding-3-small	**#4**	RR 0.25	1:662 0.65	2:675 0.64	3:591 0.63	4:676 0.63	5:682 0.62

Top result is a distractor: # Use multiple Compose files This section contains information on the ways you can work with multiple Compose files. Using multiple Compose files lets you customize a Compose appl…

Q81 What is the recommended way to install Docker Compose, and which operating systems include Docker Desktop support?

Expected chunk

#736 # Overview of installing Docker Compose This page summarizes the different ways you can install Docker Compose, depending on your platform and needs. ## Installation scenarios ### Docker Desktop (Recommended) The easiest and recommended way to get Docker Compose is to install Docker Desktop. Docker Desktop includes Do…

OpenAI text-embedding-3-large	#1	RR 1.00	1:736 0.71	2:742 0.62	3:743 0.61	4:744 0.61	5:737 0.59
Qwen3 Embedding 8B	#1	RR 1.00	1:736 0.85	2:742 0.74	3:737 0.73	4:743 0.71	5:745 0.71
OpenAI text-embedding-3-small	#1	RR 1.00	1:736 0.75	2:742 0.63	3:2116 0.63	4:267 0.61	5:780 0.61

Q82 When creating a Docker organization, what is the difference between its namespace and its display name?

Expected chunk

#480 # Set up a Docker organization An organization groups members and teams under one namespace and one subscription. Anyone with a Docker ID can create an organization or convert an individual account into one. You start by creating a new organization or converting an individual account. After creating or converting, you…

OpenAI text-embedding-3-large	#3	RR 0.33	1:1796 0.63	2:1795 0.61	3:480 0.60	4:481 0.54	5:495 0.50
	Top result is a distractor: The namespace is the permanent identifier for the organization. Image names use it as the first part, as in `namespace/image:tag`. You can't change it, and it can't match an exist…						
Qwen3 Embedding 8B	#1	RR 1.00	1:480 0.85	2:495 0.76	3:1796 0.74	4:481 0.72	5:1795 0.71
OpenAI text-embedding-3-small	#2	RR 0.50	1:1796 0.71	2:480 0.71	3:1795 0.64	4:929 0.55	5:495 0.55
	Top result is a distractor: The namespace is the permanent identifier for the organization. Image names use it as the first part, as in `namespace/image:tag`. You can't change it, and it can't match an exist…						

Q83 What role types can Docker organizations use, and what subscription is needed for custom roles?

Expected chunk

#2002 # Docker organization roles and permissions Roles determine what members can do in your Docker organization. When you invite a user or create a team, you assign a role that grants permissions for repositories, teams, and organization settings. Docker provides two role types. Users and teams get either a core role or a…

OpenAI text-embedding-3-large	#1	RR 1.00	1:2002 0.75	2:2003 0.71	3:2014 0.68	4:2004 0.63	5:1561 0.59
Qwen3 Embedding 8B	#1	RR 1.00	1:2002 0.84	2:2014 0.83	3:2003 0.80	4:2015 0.77	5:2016 0.76
OpenAI text-embedding-3-small	#1	RR 1.00	1:2002 0.77	2:2003 0.74	3:2014 0.71	4:2004 0.66	5:430 0.64

Q84 Which Docker plans support OIDC connections, and how many connections can an organization create under each plan?

Expected chunks

#1870 SSO requires a Docker Business subscription, or an AI Governance license. OIDC connections require a Docker Team or Business subscription. To require Docker Desktop users to sign in as organization members, see Enforce sign-in. Enforce sign-in is configured in Enterprise, not in this section. ## Next steps

#1872 - GitHub issues a JWT ID token for the workflow run. - During authentication, Docker: - Verifies the token against GitHub's public key registry - Matches subject claims against rulesets created in Docker Home - Docker returns an access token so the GitHub Action can sign in to Docker and access resources. All tokens c…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1872 0.63	2:1871 0.59	3:1874 0.58	4:1870 0.58	5:495 0.56
Qwen3 Embedding 8B	#1	RR 1.00	1:1872 0.80	2:1874 0.76	3:1871 0.75	4:1830 0.75	5:1870 0.74
OpenAI text-embedding-3-small	#2	RR 0.50	1:1871 0.69	2:1872 0.66	3:1870 0.60	4:1874 0.59	5:1833 0.59

Top result is a distractor: # OIDC connections overview OIDC connections create a trust relationship between Docker and a trusted third party so you don't have to maintain long-lived credentials. When you cr…

Q85 What should I do to retry a failed Docker subscription payment, and can pay by invoice be used to buy extra seats?

Expected chunk

#1827 If the invoice remains unpaid after the grace period, the subscription downgrades to a free subscription and all paid features are disabled. ### Can I manually retry a failed payment? Yes. If your payment fails, select **Pay now** to retry the payment through Stripe. Before retrying, verify that your default payment m…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1827 0.67	2:1826 0.67	3:2067 0.61	4:460 0.60	5:1825 0.59
Qwen3 Embedding 8B	#1	RR 1.00	1:1827 0.83	2:1826 0.81	3:2074 0.77	4:2073 0.76	5:2067 0.75
OpenAI text-embedding-3-small	#1	RR 1.00	1:1827 0.73	2:2073 0.66	3:1826 0.66	4:2067 0.65	5:2072 0.64

Q86 When two-factor authentication is enabled, what credential should scripts use with `docker login`, and how can I recover access if I lose my authenticator?

Expected chunk

#1862 After repeated wrong codes, Docker returns `Too many failed login attempts` and blocks further attempts for a short time. ## When Docker asks for the code | Sign-in | What Docker asks for | | --- | --- | | Browser sign-in to Docker Home or Docker Hub | Your password, then the code from your authenticator app | | `dock…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1862 0.64	2:1866 0.62	3:1861 0.60	4:1867 0.60	5:1864 0.58
Qwen3 Embedding 8B	#1	RR 1.00	1:1862 0.81	2:1864 0.80	3:1866 0.79	4:1867 0.78	5:1861 0.77
OpenAI text-embedding-3-small	#4	RR 0.25	1:1866 0.67	2:1864 0.67	3:1865 0.66	4:1862 0.64	5:1867 0.64

Top result is a distractor: # Recover your Docker account and two-factor recovery code Get back into your Docker account when you lose your authenticator app, your recovery code, or both. Docker asks for you…

Q87 How can I confirm that Enhanced Container Isolation is enabled by checking user namespaces and the container runtime?

Expected chunk

#905 ## Verify Enhanced Container Isolation is active After turning on ECI, verify it's working correctly using these methods. ### Check user namespace mapping Run a container and examine the user namespace mapping: ```console $ docker run --rm alpine cat /proc/self/uid_map ``` With ECI turned on: ```text 0 100000 65536 ``…

OpenAI text-embedding-3-large	#1	RR 1.00	1:905 0.72	2:906 0.63	3:887 0.61	4:883 0.61	5:884 0.60
Qwen3 Embedding 8B	#1	RR 1.00	1:905 0.85	2:907 0.81	3:883 0.77	4:887 0.75	5:906 0.73
OpenAI text-embedding-3-small	#1	RR 1.00	1:905 0.77	2:1005 0.71	3:907 0.65	4:887 0.65	5:883 0.62

Q88 How do image indexes enable one container image reference to work across AMD and ARM platforms?

Expected chunk

#1645 # Image Management Images and image indexes are the foundation of container images within a repository. The following diagram shows the relationship between images and image indexes. This structure enables multi-architecture support through a single reference. It is important to note that images are not always referen…

OpenAI text-embedding-3-large	#4	RR 0.25	1:1511 0.57	2:1047 0.53	3:1045 0.53	4:1645 0.53	5:324 0.50
Qwen3 Embedding 8B	#1	RR 1.00	1:1645 0.74	2:1511 0.66	3:1045 0.65	4:1047 0.63	5:1044 0.63
OpenAI text-embedding-3-small	#3	RR 0.33	1:1047 0.58	2:1511 0.55	3:1645 0.54	4:1045 0.50	5:919 0.49

Top result is a distractor: - **ARM**: Select images compatible with ARM processors, commonly used in IoT devices and embedded systems. - **ARM 64**: Locate 64-bit ARM-compatible images for modern ARM proces…

Top result is a distractor: The containerd image store lets you build multi-platform images and load them to your local image store: Building multi-platform images with the classic image store is not support…

Q89 What is the difference between a Sandbox and a Mixin in the Sandbox Kit type filter, and when does that filter appear?

Expected chunk

#1513 ### Sandbox Kit type The **Sandbox Kit type** filter lets you narrow sandbox kit results by kind. - **Sandbox**: Kits that define a full agent from scratch. - **Mixin**: Kits that layer onto an existing agent's sandbox. > [!NOTE] > > The **Sandbox Kit type** filter is only available for sandbox kits. To make > the fil…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1513 0.69	2:1512 0.50	3:1493 0.49	4:1503 0.38	5:1502 0.32
Qwen3 Embedding 8B	#1	RR 1.00	1:1513 0.82	2:1493 0.61	3:1503 0.58	4:1512 0.57	5:1082 0.45
OpenAI text-embedding-3-small	#1	RR 1.00	1:1513 0.73	2:1493 0.59	3:1503 0.52	4:1512 0.48	5:1502 0.45

Q90 What must an organization’s only owner do before leaving, and where can they initiate the departure?

Expected chunk

#486 If the account is the only owner of an organization or company, assign the owner role to another member first. Leave after that member can administer the organization or company. To leave an organization and its teams: 1. Sign in to Docker Home and select the organization. 1. Select **Members** and find your username.…

OpenAI text-embedding-3-large	#3	RR 0.33	1:381 0.56	2:485 0.53	3:486 0.49	4:380 0.48	5:484 0.45
	Top result is a distractor: If you are the only company owner, add another owner before you can leave. ## Leave an organization in the company 1. Sign in to Docker Home and select your company. 1. Select **U…						
Qwen3 Embedding 8B	#2	RR 0.50	1:381 0.75	2:486 0.69	3:485 0.67	4:379 0.59	5:432 0.57
	Top result is a distractor: If you are the only company owner, add another owner before you can leave. ## Leave an organization in the company 1. Sign in to Docker Home and select your company. 1. Select **U…						
OpenAI text-embedding-3-small	#2	RR 0.50	1:381 0.62	2:486 0.59	3:379 0.51	4:380 0.51	5:485 0.51
	Top result is a distractor: If you are the only company owner, add another owner before you can leave. ## Leave an organization in the company 1. Sign in to Docker Home and select your company. 1. Select **U…						

Q91 Which Docker Desktop releases are still supported for Business, Pro, and Team customers, and how can I obtain an older release?

Expected chunk

#1372 ### How do I ensure that all users in my organization are using the same version? This is managed through your IT administrator's endpoint management software. ### Which Docker Desktop versions are supported? > [!IMPORTANT] > > Docker Desktop versions older than six months from the latest release aren't > available fo…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1372 0.73	2:2116 0.66	3:2117 0.62	4:1373 0.59	5:1371 0.58
Qwen3 Embedding 8B	#1	RR 1.00	1:1372 0.86	2:2117 0.76	3:1373 0.72	4:2116 0.72	5:1271 0.71
OpenAI text-embedding-3-small	#1	RR 1.00	1:1372 0.76	2:2116 0.72	3:2114 0.66	4:2117 0.65	5:2115 0.64

Q92 What are the simplest deployment options for running a Compose application in production, including the option for scaling?

Expected chunk

#709 # Use Compose in production When you define your app with Compose in development, you can use this definition to run your application in different environments such as CI, staging, and production. The easiest way to deploy an application is to run it on a single server, similar to how you would run your development en…

OpenAI text-embedding-3-large	#1	RR 1.00	1:709 0.69	2:761 0.66	3:760 0.63	4:711 0.62	5:710 0.58
Qwen3 Embedding 8B	#2	RR 0.50	1:761 0.80	2:709 0.80	3:760 0.68	4:710 0.66	5:507 0.64
OpenAI text-embedding-3-small	#1	RR 1.00	1:709 0.73	2:761 0.70	3:760 0.65	4:710 0.61	5:759 0.59

Top result is a distractor: ### Single host deployments Compose supports production deployments on single hosts. You can use Compose to deploy applications to remote Docker hosts and manage production-specif…

Q93 Which default networking modes can be selected in Docker Desktop, and what IP protocols does each one use?

Expected chunk

#1145 You can set the following settings on the **Network** tab in the Docker Desktop Dashboard settings, or if you're an admin, with Settings Management via the `admin-settings.json` file, or Docker Home > [!NOTE] > > These settings can be overridden on a per-network basis using CLI flags or Compose file options. ### Defau…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1145 0.68	2:996 0.63	3:1225 0.61	4:1337 0.60	5:1147 0.59
Qwen3 Embedding 8B	#1	RR 1.00	1:1145 0.85	2:996 0.83	3:1225 0.76	4:1032 0.74	5:688 0.68
OpenAI text-embedding-3-small	#1	RR 1.00	1:1145 0.76	2:996 0.68	3:1337 0.65	4:1135 0.63	5:1225 0.63

Q94 How do Docker MCP profiles differ from the catalog, and can profiles be shared without transferring credentials?

Expected chunks

#1058 ## Docker MCP features The MCP Toolkit and MCP Gateway solve these challenges through centralized management. Instead of configuring each server for every AI application separately, you set things up once and connect all your clients to it. The workflow centers on three concepts: catalogs, profiles, and clients. Catal…

#1089 Update your catalog by running: ```console $ docker mcp catalog update ``` After the update completes, refresh the **Catalog** tab in Docker Desktop. ### What's the difference between profiles and the catalog? The catalog is the source of available MCP servers - a library of tools you can choose from. Profiles are col…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1089 0.72	2:1072 0.72	3:1058 0.69	4:1071 0.67	5:1110 0.64
Qwen3 Embedding 8B	#1	RR 1.00	1:1089 0.89	2:1058 0.81	3:1065 0.77	4:1072 0.77	5:1111 0.75
OpenAI text-embedding-3-small	#2	RR 0.50	1:1072 0.74	2:1058 0.73	3:1089 0.72	4:1071 0.69	5:1065 0.69

Top result is a distractor: To pull the same profile: ```console $ docker mcp profile pull registry.example.com/profile-s/team-standard:latest ``` ### Share via version control For project-specific profiles,…

Q95 Is nested virtualization required for Docker Desktop on a virtual machine, and what support is available for VMware ESXi and Azure VMs?

Expected chunk

#1343 You must turn on nested virtualization before you install Docker Desktop on a virtual machine that will not use Docker Offload. ### Turn on nested virtualization on VMware ESXi Nested virtualization of other hypervisors like Hyper-V inside a vSphere VM is not a supported scenario. However, running Hyper-V VM in a VMwa…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1343 0.79	2:1344 0.72	3:1340 0.70	4:1342 0.68	5:1338 0.66
Qwen3 Embedding 8B	#1	RR 1.00	1:1343 0.88	2:1342 0.84	3:1340 0.84	4:1344 0.83	5:1304 0.78

OpenAI text-embedding-3-small #1 RR 1.00 `1:1343 0.81` `2:1340 0.78` `3:1344 0.77` `4:1342 0.74` `5:1338 0.70`

Q96 How can I filter, sort, customize, and create volumes from Docker Desktop's Volumes view?

Expected chunk

#1478 By default, the **Volumes** view displays a list of all the volumes. You can filter and sort volumes as well as modify which columns are displayed by doing the following: - Filter volumes by name: Use the **Search** field. - Filter volumes by status: To the right of the search bar, filter volumes by **In use** or **Un…

OpenAI text-embedding-3-large #2 RR 0.50 `1:1477 0.74` `2:1478 0.68` `3:1480 0.57` `4:1482 0.56` `5:1449 0.56`

Top result is a distractor: # Explore the Volumes view in Docker Desktop The **Volumes** view in Docker Desktop lets you create, inspect, delete, clone, empty, export, and import Docker volumes. You can also…

Qwen3 Embedding 8B #2 RR 0.50 `1:1477 0.87` `2:1478 0.83` `3:1442 0.70` `4:1426 0.69` `5:287 0.67`

Top result is a distractor: # Explore the Volumes view in Docker Desktop The **Volumes** view in Docker Desktop lets you create, inspect, delete, clone, empty, export, and import Docker volumes. You can also…

OpenAI text-embedding-3-small #2 RR 0.50 `1:1477 0.76` `2:1478 0.74` `3:1487 0.64` `4:287 0.62` `5:1482 0.62`

Top result is a distractor: # Explore the Volumes view in Docker Desktop The **Volumes** view in Docker Desktop lets you create, inspect, delete, clone, empty, export, and import Docker volumes. You can also…

Q97 How can I change my Docker billing contact information, and will the update affect invoices that were already issued?

Expected chunk

#2061 # Update your billing details You can update your billing contact information, address, and notification email at any time. Existing invoices, whether paid or unpaid, cannot be updated. Changes only apply to future invoices. ## Update billing details You can update your billing details for Docker individual accounts a…

OpenAI text-embedding-3-large	#1	RR 1.00	1:2061 0.70	2:2066 0.60	3:397 0.53	4:2063 0.53	5:2073 0.52
Qwen3 Embedding 8B	#1	RR 1.00	1:2061 0.90	2:2066 0.79	3:2077 0.74	4:2058 0.73	5:2063 0.73
OpenAI text-embedding-3-small	#1	RR 1.00	1:2061 0.78	2:2066 0.67	3:2063 0.62	4:2058 0.60	5:2073 0.60

Q98 What does Docker Desktop Resource Saver mode do, when does it activate by default, and what could prevent it from starting?

Expected chunk

#1472 # Docker Desktop's Resource Saver mode Resource Saver mode significantly reduces Docker Desktop's CPU and memory utilization on the host by 2 GBs or more, by automatically stopping the Docker Desktop Linux VM when no containers are running for a period of time. The default time is set to 5 minutes, but this can be adj…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1472 0.74	2:1475 0.70	3:1474 0.68	4:1473 0.60	5:1214 0.58
Qwen3 Embedding 8B	#1	RR 1.00	1:1472 0.88	2:1474 0.84	3:1475 0.82	4:1473 0.76	5:1214 0.72
OpenAI text-embedding-3-small	#1	RR 1.00	1:1472 0.77	2:1473 0.72	3:1474 0.70	4:1475 0.69	5:1214 0.63

Q99 When should I use an organization access token instead of an OIDC connection for Docker automation, and what subscription is needed for OIDC?

Expected chunk

#1833 ## Organization access tokens (OATs) Use an OAT for production systems that pull images during deployment, monitoring or backup tools that check repository status or pull images, third-party services that integrate with your repositories, and scripts that call the Docker Hub API. OATs don't work with Docker Desktop or…

OpenAI text-embedding-3-large	#1	RR 1.00	1:1833 0.68	2:1872 0.63	3:1562 0.58	4:1870 0.58	5:1835 0.57
Qwen3 Embedding 8B	#1	RR 1.00	1:1833 0.87	2:1872 0.80	3:1830 0.79	4:1874 0.78	5:1835 0.78
OpenAI text-embedding-3-small	#1	RR 1.00	1:1833 0.70	2:1872 0.64	3:1870 0.63	4:1871 0.63	5:1835 0.62

Q100 What are the main differences between Docker Personal, Pro, Team, and Business plans?

Expected chunk

#2102 # Docker plans Docker plans upgrade your account from the free Docker Personal plan to a paid plan with higher usage limits, commercial licensing, and expanded features. - Docker Personal is free for individual developers. Docker Pro adds unlimited private repositories, Docker Build Cloud, and commercial Docker Deskto…

OpenAI text-embedding-3-large	#1	RR 1.00	1:2102 0.79	2:2103 0.69	3:2082 0.67	4:2077 0.58	5:2083 0.57
Qwen3 Embedding 8B	#1	RR 1.00	1:2102 0.86	2:2082 0.77	3:2117 0.71	4:2076 0.69	5:2103 0.68

OpenAI text-embedding-3-small	#1	RR 1.00	1:2102 0.79	2:2082 0.75	3:2103 0.74	4:2077 0.66	5:2076 0.65

B

Methodology & configuration

How the numbers in this report were produced, for audit and reproducibility.

Report ID	Report generated	Prepared by
CMP-9	Nov 14, 2026, 09:54 AM	Truvec
Project	Golden dataset	Dataset entries today
Docker documentation: manuals, FAQs, billing and support pages	Generated golden set, reviewed (#4)	100
Retrieval	Chunking	Corpus last changed
Exact k-NN, top 5	recursive - size 1000 - overlap 200	Nov 14, 2026, 12:39 AM
Run created	Run started	Run completed
Nov 14, 2026, 12:55 AM	Nov 14, 2026, 12:55 AM	Nov 14, 2026, 12:55 AM

Project: 261 pages of the public Docker documentation: Docker Desktop, Docker Hub, Compose, accounts, security, subscription and billing, FAQs, support and getting-started guides.
Golden dataset: 100 questions generated from the corpus, then reviewed

Configurations

Configuration	Provider	Provider model	Dims	Price / 1M	Evaluation	Status
OpenAI text-embedding-3-large	OpenAI	text-embedding-3-large	3,072	$0.130	#53	Completed
Qwen3 Embedding 8B	Open source	fireworks/qwen-3-embedding-8b	4,096	$0.100	#52	Completed
OpenAI text-embedding-3-small	OpenAI	text-embedding-3-small	1,536	$0.020	#54	Completed

Metric definitions

Hit rate@k	Share of questions with at least one expected chunk among the k retrieved chunks.
Recall@k	Share of a question's expected chunks found in the top k, averaged over questions.
Precision@k	Relevant chunks retrieved divided by k, averaged. With one expected chunk per question it cannot exceed 1/k.
F1	Harmonic mean of precision@k and recall@k per question, averaged.
MRR	Mean reciprocal rank: 1 / rank of the first relevant chunk (0 when missed), averaged.
nDCG@k	Discounted cumulative gain with binary relevance, normalised by the ideal ranking.
Score gap	Best relevant similarity minus best distractor similarity, averaged over questions that retrieved both.
Latency	Question embedding time (batched, averaged per question) and vector search time per question (mean, p50, p95).
Index cost	Corpus tokens x model price per 1M tokens: the cost of embedding every chunk once.
Cost per 1k queries	1,000 x the golden set's average question tokens x model price per 1M tokens, plus the reranker's price for 1,000 queries when one is used.
Vector storage	Chunks x dimensions x 4 bytes (float32), excluding the vector database index overhead.

Notes

- Every question is embedded with the evaluated model and searched against an index of the whole project corpus embedded with the same model. With hybrid search, a BM25 keyword ranking of the same chunks is fused with it (reciprocal rank fusion); with a reranker, the first-stage candidates are re-scored and the top k kept.
- Relevance is binary: a retrieved chunk is relevant when its id is one of the expected chunk ids of the golden-set entry.
- Configurations are ranked by MRR, then recall@5; every configuration is evaluated on the same questions and the same top k.
- Costs are estimates from token counts and the list prices of each model and reranker at run time; they exclude vector database hosting.
- Latency depends on the provider, network and hardware at the time of the run and is indicative only.