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Running APM Server on Docker

edit

Docker images for APM Server are available from the Elastic Docker registry. The base image is [centos:7](#).

A list of all published Docker images and tags is available at [www.docker.elastic.co](#).

These images are free to use under the Elastic license. They contain open source and free commercial features and access to paid commercial features. [Start a 30-day trial](#) to try out all of the paid commercial features. See the [Subscriptions](#) page for information about Elastic license levels.

Pulling the image

edit

Obtaining APM Server for Docker is as simple as issuing a `docker pull` command against the Elastic Docker registry.

```
docker pull docker.elastic.co/apm/apm-server:7.3.2
```

Alternatively, you can download other Docker images that contain only features available under the Apache 2.0 license. To download the images, go to [www.docker.elastic.co](#).

Configure APM Server on Docker

edit

The Docker image provides several methods for configuring APM Server. The conventional approach is to provide a configuration file via a volume mount, but it's also possible to create a custom image with your configuration included.

Example configuration file

Download this example configuration file as a starting point:

edit

```
curl -L -O https://raw.githubusercontent.com/elastic/apm-server/7.3/apm-server.docker.yml
```

Volume-mounted configuration

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One way to configure APM Server on Docker is to provide `apm-server.docker.yml` via a volume mount. With `docker run`, the volume mount can be specified like this.

```
docker run -d \
  --name=apm-server \
  --user=apm-server \
  --volume="$(pwd)/apm-server.docker.yml:/usr/share/apm-server/apm-server.yml:ro" \
  docker.elastic.co/apm/apm-server:7.3.2 \
  --strict.perms=false -e \
  -E output.elasticsearch.hosts=["elasticsearch:9200"] 1 2
```

1 Substitute your Elasticsearch hosts and ports.

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- If you are using the hosted Elasticsearch Service in Elastic Cloud, replace the `-E output.elasticsearch.hosts` line with the Cloud ID and elastic password using the syntax shown earlier.

Customize your configuration

The `apm-server.docker.yml` downloaded earlier should be customized for your environment. See [Configuring APM Server](#) for more details. Edit the configuration file and customize it to match your environment then re-deploy your APM Server container.

Custom image configuration

It's possible to embed your APM Server configuration in a custom image. Here is an example Dockerfile to achieve this:

```
FROM docker.elastic.co/apm/apm-server:7.3.2
COPY apm-server.yml /usr/share/apm-server/apm-server.yml
USER root
RUN chown root:apm-server /usr/share/apm-server/apm-server.yml
USER apm-server
```

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