

# Docker Compose

TeamCity-Docker [integration](#) includes the Docker Compose runner.



## Requirements

The integration requires [Docker](#) installed on the build agents. [Docker Compose](#) also needs to be installed to use the [Docker Compose](#) build runner.

## Supported Environments

TeamCity-Docker support can run on Mac, Linux, and Windows build agents. It uses the 'docker' executable on the build agent machine, so it should be runnable by the build agent user.



- On Linux, the integration will run if the installed Docker is detected.
- On Windows, the integration works for Linux and Windows container modes.
- On macOS, the official [Docker support for Mac](#) should be installed for the user running the build agent.

## Docker Compose

The runner allows starting [Docker Compose](#) build services and shutting down those services at the end of the build.

The Docker Compose runner supports one or several [Docker Compose YAML file\(s\)](#) with a description of the services to be used during the build. The path to the docker-compose.yml file(s) should be relative to the [checkout directory](#). When specifying several files, separate them with a space.

The executed commands are

```
# The commands are executed with the current working directory, where the docker-compose file resides.
docker-compose -f <docker-compose.yml> [-f <docker-compose2.yml>] up -d
# At the end of the build, for each docker compose build step the build agent will run:
docker-compose -f <docker-compose.yml> [-f <docker-compose2.yml>] down -v
```

If the checkbox `pull image explicitly` is enabled, `docker-compose pull` will be run before the `docker-compose up` command.

When using Docker Compose with images which support [HEALTHCHECK](#), TeamCity will wait for the `healthy` status of all containers, which support this parameter.

If the start of Docker Compose was successful, the TeamCity agent will register the `TEAMCITY_DOCKER_NETWORK` environment variable containing the name of the Docker Compose default network. This network will be passed transparently to the [Docker Wrapper](#) when used in some build runners.

