

The Environment with Docker in the Microservice Ecosystem

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Abstract: *Microservice Applications are playing an important role in Artificial Intelligence, Machine Learning, Big Data, and Data preprocessing. Microservices are made up of several small, self-contained components. Each module (referred to as a service container) is modular, reusable, and self-contained, and communicates with other service containers via language-independent protocols such as hypertext transfer protocol (HTTP) and representational state transfer (REST). It may be a collection of single services or multiple services. This service should be accessed and run on any environment either Windows or Linux, to make it cross-platform we are going to use a docker container. Docker is an open-source container technology that enables the faster distribution of source code, examination of earlier deployments, and setup. In this paper, we present a strategy for microservice applications that use the Docker container service.*

Keywords: Microservice, Docker, Docker-compose, Docker-Orchestration, Containers

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