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***ANALYSIS AND DESIGN OF HIGH-AVAILABILITY DOCKER  
CONTAINER USING DOCKER SWARM WITH ROUND ROBIN  
ALGORITHM***

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***ABSTRACT***

*With the growth of the technology and information as well much activity prioritize accessing to the server it means server should can be accessed without any obstacle. With using one of the technology namely high availability which can give a solution to the problem where and whenever server failure occur. This research was conducted by authors aimed to analyze and test the implementation of high availability technology on container containing owncloud storage server. The results of this study are reports on the results of implementation testing using docker swarm tools with round robin algorithm. The testing in this study using an applied research approach and simulation of servers that is configured docker swarm. The conclusion of this study is the high-availability container technology with docker swarm makes the storage server accessible without interruptions and zero down time.*

*Keywords: high-availability, server, owncloud, container, docker swarm*