

CLOUD MY TASK – A PEER-TO-PEER DISTRIBUTED PYTHON SCRIPT EXECUTION SERVICE

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Abstract

In this paper we present „Cloud My Task”, a distributed Python script execution service. The service can receive Python scripts from the clients and execute them on its instances, according to their load. The service is fault-tolerant : the failure of any single instance will not disrupt the service availability. The instances are connected with each other in a peer-to-peer tree-like topology. Experimental results show that the service scales well and is able to balance the load across the available service instances.

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