Technical Document Template

Version 1.0

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1   Introduction

AntCloud is a distributed processing application that enables users to execute their code on a remote server with high-performance computing resources. AntCloud is designed for users who have limited processing power on their local PC and want to leverage the benefits of cloud computing and distributed processing without incurring high costs. By using AntCloud, users can easily upload their code, a suitable server will be selected, and run their code in a matter of minutes. AntCloud is a convenient and affordable solution for users who need to run complex and intensive code on a regular basis.

2   Requirements

2.1   Functional Requirements

- Server receives executable and parameters from user

- Run executable with given parameters whenever a worker is available

- Return result to the user after the executable is terminated

2.2   Non Functional Requirements

- Server must support multiple users and workers

- The executable is given in base64 encoding