ABSTRACT

COMMUNICATION PROTOCOLS TO ALLOCATE AND APPLY RESOURCES IN A COMPUTING SYSTEM HAVING MULTIPLE COMPUTERS CONNECTED VIA COMMUNICATION NETWORKS

A computer system having a plurality of computers, including a centralized router and a data storage stores data linking a time limit and multiple destination accounts. Within the time limit, in response to a first authorization request associated with a first destination account, the data storage stores data linking an account identifier provided in the first authorization request with the time limit; in response to a second authorization request identifying the account identifier and being associated with a second destination account, the data storage stores data increases an allocated resource of the account identifier; and in response to a third authorization request identifying the account identifier and being associated with a third destination account, the centralized router applies the allocated resource of the account identifier to generate a fourth authorization request replacing the third authorization request and routes a response to the fourth authorization request.

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(Figure 1)