

CLAIMS

1. A cloud-shared resource providing system wherein
a plurality of user terminals, a resource provider, and a
5 plurality of public clouds are communicably connected via a network;
in each of the plurality of public clouds, a shared-use server
managed by the resource provider is installed;

the resource provider has a control unit and a storage unit,
and a monitor system; the control unit has a registration unit
10 and an execution control unit;

the storage unit stores data of a program of the user together
with management information;

the registration unit carries out processing of storing the
data of the program of the user in the storage unit together with
15 the management information based on an instruction from the user;

the registration unit carries out setting of, based on an
instruction from the user, information including the public cloud
and the shared-use server to be targets for operating the program
of the use, a charge system, and timing of operating batch processing
20 in the case the program of the user is a program for batch processing;

the execution control unit carries out control processing so
that the program of the user of the storage unit is executed by the
target shared-use server of the target public cloud based on an
instruction and the setting from the user; ~~and~~

25 based on the control from the execution control unit,
processing of the program of the user is caused to operate on the
target shared-use server of the target public cloud;~~;~~

the monitor system performs monitoring of the state of
operation of the processing of the program of the user in the target
30 shared-use server of the target public cloud and carries out charge
calculation processing with respect to the user based on information
of the monitoring and the setting; and

the charge system can be selected as a pay-as-you-go charge system corresponding to an operating time or a processing volume of the processing of the program of the user in the target shared-use server of the target public cloud.

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~~2. The cloud-shared resource providing system according to claim 1, wherein~~

~~the resource provider has a monitor system,~~

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~~the monitor system monitoring the state of operation of the processing of the program of the user in the target shared-use server of the target public cloud and carrying out charge calculation processing with respect to the user based on the monitor information.~~

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~~3. The cloud-shared resource providing system according to claim 1, wherein,~~

~~with respect to the resource provider, the user can specify the public cloud and the shared-use server to be targets for operating the program of the user.~~

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~~4. The cloud-shared resource providing system according to claim 2, wherein,~~

~~as a charge system with respect to the user, the monitor system carries out charge calculation processing of a pay-as-you-go charge system corresponding to an operating time or a processing volume of the processing of the program of the user in the target shared-use server of the target public cloud.~~

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52. The cloud-shared resource providing system according to claim 1, wherein

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the plurality of shared-use servers are provided in the public cloud, and

the execution control unit carries out control processing so

that the program of the user of the storage unit is executed in a single server on which load is small selected among the plurality of shared-use servers of the target public cloud.

~~6. The cloud-shared resource providing system according to claim 5, wherein,~~
~~when the single server is to be selected from the plurality of shared-use servers of the target public cloud, the execution control unit selects a single server having a small load.~~

73. The cloud-shared resource providing system according to claim 52, wherein

the plurality of shared-use servers having different functions are provided in the public cloud, and

the execution control unit carries out control processing so that the program of the user of the storage unit is executed in a single server having a function based on an instruction or configuration from the user selected from among the plurality of shared-use servers of the target public cloud.

~~the plurality of shared-use servers in the public cloud have mutually different functions, and,~~

~~when the single server is to be selected from the plurality of shared-use servers of the target public cloud, the execution control unit selects a single server having a predetermined function based on an instruction or configuration from the user.~~

84. The cloud-shared resource providing system according to claim 1, comprising,

in the public cloud, a local storage unit that stores, together with the management information, a copy of data of the program of the user of the storage unit on the resource provider side;

wherein, in a first time, first data of the program of the

user of the storage unit on the resource provider side is copied
as second data to the local storage unit in the public cloud side,
and in a second time and thereafter, the copying to the local storage
unit is carried out only when the first and second data is different
5 from each other; and,

when the program of the user is to be executed by the target
shared-use server of the target public cloud, the target shared-use
server retrieves the second data of the program of the user of the
local storage unit and executes processing of the program of the
10 user.