Claims

WHAT IS CLAIMED IS:

1. A method for supplying blockchain computing power, comprising:

receiving a computing power purchase request sent by a user-side terminal (S101);

generating purchase result data according to the computing power purchase request (S102);

scheduling a first blockchain server to provide users with computing service according to the purchase result data (S103), wherein the number of the first blockchain servers is determined according to the computing power purchased by the user, when one blockchain server is capable of meeting the computing power requirements of the user, the number of the first blockchain servers is one, otherwise, the number of the first blockchain servers is at least two;

when the first blockchain server stops serving, starting timing to obtain a target duration (S104);

judging whether the first blockchain server restarts the service when the target duration is less than a preset duration threshold (S105), and obtaining a preset result;

when the preset result is YES, improving the computing power of the first blockchain server correspondingly, so that the total service duration of the user and the actually obtained total computing power remain unchanged (S106);

when the preset result is NO, scheduling a second blockchain server to provide users with computing service (S107), wherein the number of the second blockchain servers is the same as that of the first blockchain servers;

wherein scheduling the first blockchain server to provide users with computing service according to the purchase result data comprises:

determining the first blockchain server among a plurality of preset blockchain servers;

establishing a first connection relationship between the first blockchain server and a preset blockchain calculation and distribution center agent node;

issuing a workload certification task to the first blockchain server based on the first connection relationship, so as to schedule the first blockchain server to provide users with computing service;

correspondingly, scheduling the second blockchain server to provide users with computing service comprises:

determining the second blockchain server among the remaining preset blockchain servers;

establishing a second connection relationship between the second blockchain server and the preset blockchain calculation and distribution center agent node;

issuing a workload certification task to the second blockchain server based on the second connection relationship, so as to schedule the second blockchain server to provide users with computing service.

2. The method for supplying blockchain computing power according to claim 1, wherein the computing power of the first blockchain server is the same as that of the

second blockchain server.

3. The method for supplying blockchain computing power according to claim 1, wherein improving the computing power of the first blockchain server correspondingly, so that the total service duration of the user and the actually obtained total computing power remain unchanged, comprises:

determining the duration that the first blockchain server stops serving;

determining the interrupted computing power of the first blockchain server according to the duration that the first blockchain server stops serving and the standard computing power of the first blockchain server;

determining the excess operation duration and the excess computing power of the first blockchain server according to the interrupted computing power of the first blockchain server and the duration that the first blockchain server stops serving;

controlling the first blockchain server to run the excess operation duration in the state that the output computing power is the excess computing power, and continuing to run in the state that the output computing power is the standard computing power, so that the total service duration of the user and the actually obtained total computing power remain unchanged;

the calculation formula of the excess computing power is as follows:

excess computing power =3* standard computing power

the calculation formula of the excess operation duration is as follows:

excess operation duration =1/2* the duration that the first blockchain server stops serving.

4. The method for supplying blockchain computing power according to claim 1, wherein after generating purchase result data according to the computing power purchase request, the method further comprises:

feeding back purchase result data to the user-side terminal, wherein the purchase result data comprises purchase success notification information.

5. A system for supplying blockchain computing power, comprising:

a user-side terminal interacting module (21), which is configured to receive a computing power purchase request sent by a user-side terminal;

a user-side terminal data processing module (22), which is configured to generate purchase result data according to the computing power purchase request;

a scheduling module (23), which is configured to schedule a first blockchain server to provide users with computing service according to the purchase result data, wherein the number of the first blockchain servers is determined according to the computing power purchased by the user, when one blockchain server is capable of meeting the computing power requirements of the user, the number of the first blockchain servers is one, otherwise, the number of the first blockchain servers is at least two;

wherein scheduling the first blockchain server to provide users with computing service according to the purchase result data comprises:

determining the first blockchain server among a plurality of preset blockchain servers;

establishing a first connection relationship between the first blockchain server and a preset blockchain calculation and distribution center agent node;

issuing a workload certification task to the first blockchain server based on the first connection relationship, so as to schedule the first blockchain server to provide users with computing service;

correspondingly, scheduling a second blockchain server to provide users with computing service comprises:

determining the second blockchain server among the remaining preset blockchain servers;

establishing a second connection relationship between the second blockchain server and the preset blockchain calculation and distribution center agent node;

issuing a workload certification task to the second blockchain server based on the second connection relationship, so as to schedule the second blockchain server to provide users with computing service；

a timing module (24), which is configured to, when the first blockchain server stops serving, start timing to obtain a target duration;

a judging module (25), which is configured to judge whether the first blockchain server restarts the service when the target duration is less than a preset duration threshold, and obtain a preset result;

a computing power compensating module (26), which is configured to, when the preset result is YES, improve the computing power of the first blockchain server correspondingly, so that the total service duration of the user and the actually obtained total computing power remain unchanged;

a computing power drifting module (27), which is configured to, when the preset result is NO, schedule the second blockchain server to provide users with computing service, wherein the number of the second blockchain servers is the same as that of the first blockchain servers.

6. The system for supplying blockchain computing power according to claim 5, further comprising: a user-side terminal;

wherein the user-side terminal is configured to send the computing power purchase request to the user-side terminal interacting module.