CLAIMS

1. A task processing method, comprising:

receiving a resource schedule request of a target task sent by a terminal, the resource schedule request comprising source data configuration information and running configuration information of the target task;

determining task source data of the target task according to the source data configuration information;

creating and starting a target container in a target resource node according to the running configuration information;

determining a route entry according to the target container and sending the task source data to the target resource node; and

sending a resource schedule completion message to the terminal, so that the terminal calls the target container and the task source data to execute the target task through the route entry.

2. The task processing method of claim 1, wherein the creating and starting a target container in a target resource node according to the running configuration information comprises:

sending a resource allocation request to a resource arrangement server, the resource allocation request comprising the running configuration information, so that the resource arrangement server creates and starts the target container in the target resource node based on the running configuration information.

3. The task processing method of claim 2, wherein the sending a resource allocation request to a resource arrangement server comprises:

sending a resource schedule task comprising the running configuration information to a resource scheduling server through a message queue, so that the resource scheduling server sends the resource allocation request to the resource arrangement server, the resource allocation request comprising the running configuration information.

4. The task processing method of claim 2, wherein the determining a route entry according to the target container comprises:

receiving a container startup success message sent by the resource arrangement server, the container startup success message comprising the route entry of the target container; and

sending the route entry to a route management server, so that the route management server adds the route entry locally.

5. The task processing method of claim 4, wherein the container startup success message further comprises address information of the target resource node, and the sending the task source data to the target resource node comprises:

sending the task source data to the target resource node according to the address information.

6. The task processing method of claim 1, wherein before receiving a resource schedule request of a target task sent by a terminal, the method further comprises:

in a case of monitoring that source data configuration information is inputted in a task resource schedule configuration page, receiving a resource configuration recommendation

request sent by the terminal, the resource configuration recommendation request comprising the inputted source data configuration information;

determining recommended running configuration information according to the inputted source data configuration information; and

sending the recommended running configuration information to the terminal, so that the terminal displays a resource configuration acknowledgment message on the task resource schedule configuration page, the resource configuration acknowledgment message comprising the recommended running configuration information; and

the receiving a resource schedule request of a target task sent by a terminal comprises:

receiving a resource schedule request of the target task sent by the terminal in response to an acknowledgment instruction for adopting the recommended running configuration information.

7. The task processing method of claim 4, wherein after receiving a container startup success message sent by the resource arrangement server, the method further comprises:

monitoring a running state of the target container; and

in a case of monitoring that the running state of the target container is an idle state and a duration of the idle state is greater than or equal to a preset idle duration threshold, sending a resource destruction instruction to the resource arrangement server, so that the resource arrangement server controls the target resource node to delete the target container.

8. The task processing method of claim 1, wherein after sending the task source data to the target resource node, the method further comprises:

receiving resource usage information of the target container sent by the target resource node; and

the resource schedule completion message further comprising the resource usage information of the target container, so that the terminal displays a task running acknowledgment page comprising the resource usage information.

9. The task processing method of claim 8, wherein after receiving resource usage information of the target container sent by the target resource node, the method further comprises:

performing rationality analysis on a running resource of the target task according to the resource usage information; and

in a case that an analysis result is unreasonable, sending restart task schedule information to the terminal, so that the terminal displays the task running acknowledgment page further comprising the restart task schedule information.

10. The task processing method of any one of claims 1 to 9, wherein the target task comprises a deep learning task, and task source data of the target task comprises: a training data set corresponding to the source data configuration information and a neural network corresponding to the source data configuration information.

11. A task processing method, comprising:

sending a resource schedule request of a target task to a server, the resource schedule request comprising source data configuration information and running configuration information of the target task, so that the server determines task source data of the target task according to the source data configuration information; creating and starting a target container

in a target resource node according to the running configuration information; and determining a route entry according to the target container;

receiving a resource schedule completion message sent by the server; and

calling the target container and the task source data to execute the target task through the route entry.

12. The task processing method of claim 11, wherein the calling the target container and the task source data to execute the target task through the route entry comprises:

sending a task running request of the target task to a route management server, so that the route management server sends the task running request to the target container based on the route entry, and the target container runs the target task based on the task source data in response to the task running request.

13. The task processing method of claim 11, wherein before sending a resource schedule request of a target task to server, the method further comprises:

in a case of monitoring that source data configuration information is inputted in a task resource schedule configuration page, sending a resource configuration recommendation request to the server, the resource configuration recommendation request comprising the inputted source data configuration information, so that the server determines the recommended running configuration information according to the inputted source data configuration information;

receiving the recommended running configuration information sent by the server; and

displaying a resource configuration acknowledgment message on the task resource schedule configuration page, the resource configuration acknowledgment message comprising the recommended running configuration information; and

the sending a resource schedule request of a target task to server comprises:

sending the resource schedule request of the target task to the server in response to an acknowledgment instruction for adopting the recommended running configuration information.

14. The task processing method of claim 11, wherein the resource schedule completion message further comprises resource usage information of the target container; and the method further comprises:

displaying a task running acknowledgment page comprising the resource usage information,

wherein the task running acknowledgment page further comprises restart task schedule information; and the method further comprises:

displaying a task resource schedule configuration page in response to a restart instruction based on the restart task schedule information; and

sending a resource recovery instruction to the server, so that the server executes a resource recovery operation.

15. A task processing device, comprising:

a processor; and

a memory, configured to store processor-executable instructions;

wherein the processor is configured to execute the instructions to:

receive a resource schedule request of a target task sent by a terminal, the resource schedule request comprising source data configuration information and running configuration information of the target task;

determine task source data of the target task according to the source data configuration information;

create and start a target container in a target resource node according to the running configuration information;

determine a route entry according to the target container and sending the task source data to the target resource node; and

send a resource schedule completion message to the terminal, so that the terminal calls the target container and the task source data to execute the target task through the route entry.

16. A task processing device, comprising:

a processor; and

a memory, configured to store processor-executable instructions;

wherein the processor is configured to execute the instructions to:

send a resource schedule request of a target task to server, the resource schedule request comprising source data configuration information and running configuration information of the target task, so that the server determines task source data of the target task according to the source data configuration information; creating and starting a target container in a target resource node according to the running configuration information; and determining a route entry according to the target container;

receive a resource schedule completion message sent by the server; and

call the target container and the task source data to execute the target task through the route entry.

17. A computer-readable storage medium, wherein when instructions in the storage medium are executed by a processor of a task processing device, the task processing device is configured to:

receive a resource schedule request of a target task sent by a terminal, the resource schedule request comprising source data configuration information and running configuration information of the target task;

determine task source data of the target task according to the source data configuration information;

create and start a target container in a target resource node according to the running configuration information;

determine a route entry according to the target container and sending the task source data to the target resource node; and

send a resource schedule completion message to the terminal, so that the terminal calls the target container and the task source data to execute the target task through the route entry.

18. A computer-readable storage medium, wherein when instructions in the storage medium are executed by a processor of a task processing device, the task processing device is configured to:

send a resource schedule request of a target task to server, the resource schedule request comprising source data configuration information and running configuration information of the target task, so that the server determines task source data of the target task according to the source data configuration information; creating and starting a target container in a target resource node according to the running configuration information; and determining a route entry according to the target container;

receive a resource schedule completion message sent by the server; and

call the target container and the task source data to execute the target task through the route entry.

19. A computer program, comprising a computer-readable code, wherein when running in a task processing device, the computer-readable code is executed by a processor in the task processing device to:

receive a resource schedule request of a target task sent by a terminal, the resource schedule request comprising source data configuration information and running configuration information of the target task;

determine task source data of the target task according to the source data configuration information;

create and start a target container in a target resource node according to the running configuration information;

determine a route entry according to the target container and sending the task source data to the target resource node; and

send a resource schedule completion message to the terminal, so that the terminal calls the target container and the task source data to execute the target task through the route entry.

20. A computer program, comprising a computer-readable code, wherein when running in a task processing device, the computer-readable code is executed by a processor in the task processing device to:

send a resource schedule request of a target task to server, the resource schedule request comprising source data configuration information and running configuration information of the target task, so that the server determines task source data of the target task according to the source data configuration information; creating and starting a target container in a target resource node according to the running configuration information; and determining a route entry according to the target container;

receive a resource schedule completion message sent by the server; and

call the target container and the task source data to execute the target task through the route entry.