CLAIMS

Claim 1. A supervision device comprising:

an information acquisition unit that acquires information concerning a node having a resource for performing a preset task related to an ocean;

a group creation unit that creates a group including a plurality of nodes capable of communicating data with one another according to the information concerning the node and the task acquired by the information acquisition unit; and

a processing execution unit that causes the plurality of nodes to perform data communication with one another and causes the plurality of nodes to provide the resource to thereby execute processing corresponding to the task.

Claim 2. The supervision device according to claim 1, wherein the processing execution unit distributes, according to a use status of the resource of each of the plurality of nodes, the nodes that provide the resource.

Claim 3. The supervision device according to claim 1, wherein the group creation unit creates, based on the information concerning the node, the group using a machine learning model that outputs a combination of the nodes for executing the processing.

Claim 4. The supervision device according to claim 1, wherein the processing execution unit causes each of the plurality of nodes to store same data to thereby cause the plurality of nodes to function as a blockchain.

Claim 5. The supervision device according to claim 1, wherein the group creation unit determines, based on the

information concerning the node, using a machine learning model that outputs a communication path for performing data communication, a communication path for the plurality of nodes to communicate data with one another.

Claim 6. The supervision device according to claim 1, wherein, in order to execute the processing, the processing execution unit calculates a fee charged on the resource provided by each of the plurality of nodes.

Claim 7. The supervision device according to claim 1, wherein

the group creation unit creates a group including a cloud server, an ECU mounted on a ship, and a server of a manufacturer of a main engine of the ship as nodes, and

the processing execution unit causes the node to execute processing for supporting operation of the ship.

Claim 8. A computer-readable recording medium storing therein a supervision program that causes a computer to execute a process comprising:

an information acquisition step for acquiring information concerning a node having a resource for performing a preset task related to an ocean;

a group creation step for creating, according to the information concerning the node and the task acquired by the information acquisition step, a group including a plurality of nodes capable of communicating data with one another; and

a processing execution step for causing the plurality of nodes to perform data communication with one another and causing the plurality of nodes to provide the resource to thereby execute processing corresponding to the task.

Claim 9. The computer-readable recording medium according to claim 8, wherein, in the processing execution step, the nodes that provide the resource are distributed according to a use status of the resource of each of the plurality of nodes.

Claim 10. The computer-readable recording medium according to claim 8, wherein, in the group creation step, the group is created based on the information concerning the node using a machine learning model that outputs a combination of the nodes for executing the processing.

Claim 11. The computer-readable recording medium according to claim 8, wherein, in the processing execution step, by causing each of the plurality of nodes to store same data, the plurality of nodes are caused to function as a blockchain.

Claim 12. The computer-readable recording medium according to claim 8, wherein, in the group creation step, a communication path for the plurality of nodes to communicate data with one another is determined based on the information concerning the node using a machine learning model that outputs a communication path for performing data communication.

Claim 13. The computer-readable recording medium according to claim 8, wherein, in the processing execution step, a fee charged on the resource provided by each of the plurality of nodes is calculated in order to execute the processing.

Claim 14. The computer-readable recording medium according to claim 8, wherein

in the group creation step, a group including a cloud server, an ECU mounted on a ship, and a server of a manufacturer of a main engine of the ship as nodes is created, and

in the processing execution step, the node is caused to execute processing for supporting operation of the ship.