

What is claimed is:

1. A management device accessible to at least a first and a second target object to be managed, the management device comprising:

a processor which executes a program;

a storage device which stores the program; and

a communication interface which can communicate with the first and the second target object to be managed, wherein the processor executes

a reception process for receiving first environmental information representing a first environment of the first target object to be managed,

a first generation process for generating relevant information representing relevancy between the received first environmental information and second environmental information representing a second environment of the second target object to be managed,

a second generation process for generating a first learned model to be used for inference by the first target object to be managed in the first environment, based on the relevant information generated by the first generation process and a second learned model to be used for inference by the second target object to be managed in the second environment, and

a transmission process for transmitting the first learned model generated by the second generation process to the first target object to be managed,

wherein the processor:

receives, in the reception process, the first environmental information representing the first environment of a first data processing device as the first target object to be managed;

generates, in the first generation process, the relevant information representing relevancy between the first environmental information and the second environmental information representing the second environment of a second data processing device as the second target object to be managed;

generates, in the second generation process, the first learned model to be used for inference by the first data processing device in the first environment, based on the relevant information and the second learned model to be used for inference by the second data processing device in the second environment; and

transmits, in the transmission process, the first learned model to the first data processing device, and

wherein:

the first environmental information and the second environmental information have values of a plurality of environmental items each of which defines an environment common to the first environmental information and the second environmental information; and

in the first generation process, the processor generates the relevant information based on a matched number of values of same environmental items between the first environmental information and the second environmental information.

2. The management device according to claim 1, wherein:

each of the plurality of environmental items has a level of importance which is set in association therewith; and

in the first generation process, the processor generates the relevant information, based on the matched number of values of the same environmental items between the first environmental information and the second environmental information and the

level of importance of the environmental items.

3. The management device according to claim 1, wherein in the reception process, the processor receives the first environmental information, when the first data processing device is newly added as the first target object to be managed.

4. The management device according to claim 1, wherein in the reception process, when the first environmental information has newly been added in the first data processing device, the processor receives the newly added first environmental information.

5. The management device according to claim 3, wherein in the second generation process, the processor stores the first environmental information as the second environmental information.

6. The management device according to claim 1, wherein: the communication interface is communicable with a communication device which performs learning with a dataset which is a combination of an inference result of the first target object to be managed and correct data corresponding to the inference result; and

in the second generation process, the processor updates the first learned model to a learned result from the communication device.

7. The management device according to claim 1, wherein in the first generation process, the processor generates relevant information representing relevancy between the first environmental information and the second environmental information representing the second environment of the second target object to be managed at a time point earlier than a time point of the first environmental information.

8. The management device according to claim 7, wherein in the first generation process, the processor generates relevant information representing relevancy between first environmental information which has newly been received by the reception process and the second environmental information.

9. The management device according to claim 8, wherein in the second generation process, the processor stores the first environmental information as the second environmental information.

10. A management method to be executed by a management device accessible to at least a first and a second target object to be managed, the management device comprising a processor executing a program, a storage device storing the program, and a communication interface communicable with the first and the second target object to be managed, the method comprising the following processes to be executed by the processor, as follows:

a reception process for receiving first environmental information representing a first environment of the first target object to be managed;

a first generation process for generating relevant information representing relevancy between the received first environmental information and second environmental information representing a second environment of the second target object to be managed;

a second generation process for generating a first learned model to be used for inference by the first target object to be managed in the first environment, based on the relevant information generated by the first generation process and a second learned model to be used for inference by the second target object to be managed in the second environment; and

a transmission process for transmitting the first learned model generated by the second generation process to the first target object to be managed,

wherein the processor:

receives, in the reception process, the first environmental information representing the first environment of a first data processing device as the first target object to be managed;

generates, in the first generation process, the relevant information representing relevancy between the first environmental information and the second environmental information representing the second environment of a second data processing device as the second target object to be managed;

generates, in the second generation process, the first learned model to be used for inference by the first data processing device in the first environment, based on the relevant information and the second learned model to be used for inference by the second data processing device in the second environment; and

transmits, in the transmission process, the first learned model to the first data processing device, and

wherein:

the first environmental information and the second environmental information have values of a plurality of environmental items each of which defines an environment common to the first environmental information and the second environmental information; and

in the first generation process, the processor generates the relevant information based on a matched number of values of same environmental items between the first environmental information and the second environmental information.

11. A management program for controlling a processor to execute processes for managing at least a first and a second target object to be managed, the processor executing:

a reception process for receiving first environmental information representing a first environment of the first target object to be managed;

a first generation process for generating relevant information representing relevancy between the received first environmental information and second environmental information representing a second environment of the second target object to be managed;

a second generation process for generating a first learned model to be used for inference by the first target object to be managed in the first environment, based on the relevant information generated by the first generation process and a second learned model to be used for inference by the second target object to be managed in the second environment; and

a transmission process for transmitting the first learned model generated by the second generation process to the first target object to be managed,

wherein the processor:

receives, in the reception process, the first environmental information representing the first environment of a first data processing device as the first target object to be managed;

generates, in the first generation process, the relevant information representing relevancy between the first environmental information and the second environmental information representing the second environment of a second data processing device as the second target object to be managed;

generates, in the second generation process, the first

learned model to be used for inference by the first data processing device in the first environment, based on the relevant information and the second learned model to be used for inference by the second data processing device in the second environment; and

transmits, in the transmission process, the first learned model to the first data processing device, and

wherein:

the first environmental information and the second environmental information have values of a plurality of environmental items each of which defines an environment common to the first environmental information and the second environmental information; and

in the first generation process, the processor generates the relevant information based on a matched number of values of same environmental items between the first environmental information and the second environmental information.