

[0004]

Countermeasures other than patch application coping with vulnerability are dependent on the circumstances of terminals to be managed, and a single countermeasure may not be applicable to all terminals. For this reason, in a case where countermeasures are performed on a large number of terminals, it is necessary to plan countermeasures against vulnerability with respect to individual terminals, and a huge amount of operational cost is thus incurred. In addition, in a case where a plurality of applicable countermeasures are present, it is not clearly understood to what extent risk remains after arbitrary countermeasures are performed, and which countermeasures should be performed later. Hence, it has been difficult to draw up a plan of countermeasures.

[0005]

Embodiments of the present invention provide a technique to visualize which countermeasures are applicable to a large number of terminals and to what extent risk remains after countermeasure, and to thereby assist a security manager's decision-making.

## SOLUTION TO PROBLEM

[0006]

According to a first aspect of the present invention, there is provided an information processing apparatus including: a selection reception unit that receives an input indicating that at least one countermeasure is selected from among a plurality of countermeasures against vulnerability; a remaining terminal identification unit that reads out terminal-specific countermeasure information, indicating a countermeasure applicable for each terminal against the vulnerability, from a storage unit that stores the terminal-specific countermeasure information, and identifies a remaining terminal which is a terminal that would be left with the vulnerability on the basis of the read-out terminal-specific countermeasure information; and a remaining terminal information providing unit that provides the number of identified remaining terminals.

[0007]

According to a second aspect of the present invention, there is provided an information processing method performed by a computer, the method including: receiving an input indicating that at least one countermeasure is selected from among a plurality of countermeasures against vulnerability; reading out terminal-specific countermeasure information, indicating a countermeasure applicable for each terminal against the vulnerability, from a storage unit that stores the terminal-specific countermeasure information, and identifying a remaining terminal which is a terminal that would be left with the vulnerability on the basis of the read-out terminal-specific countermeasure information; and provide the number of identified remaining terminals.

[0008]

According to a third aspect of the present invention, there is provided a non-transitory computer readable medium storing a program for causing a computer to execute an information processing method, the information processing method including: a selection reception unit that receives an input indicating that at least one countermeasure is selected from among a plurality of countermeasures against vulnerability; a remaining terminal identification unit that reads out terminal-specific countermeasure information, indicating a countermeasure applicable for each terminal against the vulnerability, from a storage unit that stores the terminal-specific countermeasure information, and identifies a remaining terminal which is a terminal that would be left with the vulnerability on the basis of the read-out terminal-specific countermeasure information; and a remaining terminal information providing unit that provides the number of identified remaining terminals.

#### ADVANTAGEOUS EFFECTS OF INVENTION

[0009]

According to embodiments of the present invention, it is possible to visualize which countermeasures are applicable to a large number of terminals and to what extent risk remains after countermeasure, and for a security manager to easily perform the drawing-up of countermeasures against vulnerability.

#### BRIEF DESCRIPTION OF THE DRAWINGS

[0010]

The above and other objects, features and advantages will be made clearer from certain preferred embodiment described below, and the following accompanying drawings.

[0011]

FIG. 1 is a diagram conceptually illustrating a process configuration of an information processing apparatus according to a first example embodiment of the present invention.

FIG. 2 is a diagram illustrating an example of a screen which is displayed on a display apparatus by the information processing apparatus.

FIG. 3 is a diagram illustrating an example of terminal-specific countermeasure information.

FIG. 4 is a diagram illustrating an example of information which is output by a remaining terminal information providing unit.

FIG. 5 is a diagram conceptually illustrating a hardware configuration of the information processing apparatus of the first example embodiment.

FIG. 6 is a flow diagram illustrating a flow of processes of the information processing

6. An information processing method performed by a computer, the method comprising:

receiving an input indicating that at least one countermeasure is selected from among a plurality of countermeasures against vulnerability;

reading out terminal-specific countermeasure information, indicating a countermeasure applicable for each terminal against the vulnerability, from a storage unit that stores the terminal-specific countermeasure information, and identifying a remaining terminal which is a terminal that would be left with the vulnerability on the basis of the read-out terminal-specific countermeasure information; and

providing the number of identified remaining terminals.

7. A non-transitory computer readable medium storing a program for causing a computer to execute an information processing method, the information processing method comprising:

receiving an input indicating that at least one countermeasure is selected from among a plurality of countermeasures against vulnerability;

reading out terminal-specific countermeasure information, indicating a countermeasure applicable for each terminal against the vulnerability, from a storage unit that stores the terminal-specific countermeasure information, and identifies a remaining terminal which is a terminal that would be left with the vulnerability on the basis of the read-out terminal-specific countermeasure information; and

providing the number of identified remaining terminals.