

CLAIMS

1. An information processing device comprising:

a data reception unit that accepts transmission information being various information related to transmission of an email received by each of a plurality of mail servers, the transmission information being extracted from the email received by each of a plurality of mail servers;

a transmission information determination unit that determines whether a transmission source of the email is appropriate based on the transmission information; and

a whitelist distribution unit that distributes the transmission source determined to be appropriate to each of the plurality of mail servers,

wherein the transmission source sent to each of the mail servers is a combination of a domain of a transmission source mail address and a transmission source IP address.

~~2. The information processing device according to claim 1, wherein the transmission source includes a combination of a domain of a transmission source mail address and a transmission source IP address.~~

23. The information processing device according to claim

1, wherein

the transmission information includes various kinds of information related to transmission in the received email,

the information processing device comprises a collation data storage unit that stores harmful malicious information in advance for each of the transmission information, and

the transmission information determination unit collates the accepted transmission information with the malicious information to determine whether the transmission source of the email is appropriate.

34. The information processing device according to claim 1 or 2, wherein,

if there is a match in the transmission source included in the transmission information among a plurality of the transmission information accepted from the plurality of mail servers, the transmission information determination unit determines the transmission source to be appropriate.

45. The information processing device according to claim 23, comprising a whitelist storage unit in which the transmission source determined to be appropriate by the transmission information determination unit is stored,

wherein

the stored transmission source is collated with the malicious information, and a result of determination on whether the transmission source is appropriate is updated.

56. The information processing device according to any one of claims 1 to 4, wherein

the data reception unit accepts the transmission source including a combination of a domain of a transmission source mail address and a transmission source IP address registered by a user, and

the whitelist distribution unit distributes the transmission source to each of the mail servers.

67. An information processing device comprising:

a data reception unit that accepts a transmission source ~~including being~~ a combination of a domain of a transmission source mail address and a transmission source IP address registered by a user in each of a plurality of mail servers;

a transmission information determination unit that determines whether the accepted transmission source being the combination of the domain of the transmission source mail address and the transmission source IP address is appropriate; and

a whitelist distribution unit that distributes the transmission source to each of the mail servers.

~~8. The information processing device according to claim 7, comprising a transmission information determination unit that determines whether the accepted transmission source including the combination of the domain of the transmission source mail address and the transmission source IP address are appropriate.~~

79. The information processing device according to claim 67, wherein

the data reception unit accepts the transmission source including a combination of one domain of mail and a plurality of transmission source IP addresses registered by the user.

8. An information processing device comprising:
a data reception unit that accepts transmission information of an email, the transmission information being extracted from the email received by each of a plurality of mail servers;

a transmission information determination unit that determines whether a transmission source of the email is appropriate based on the transmission information; and

a whitelist distribution unit that distributes the transmission source determined to be appropriate to each of the plurality of mail servers,
wherein if there is a match in the transmission source included in the transmission information among a plurality of the transmission information accepted from the plurality of mail servers, the transmission information determination unit determines the transmission source to be appropriate.

910. An information processing method comprising:

a step of accepting transmission information being various information related to transmission of an email received by each of a plurality of mail servers, the transmission information being extracted from the email;

a step of determining whether a domain of a transmission source and a transmission source IP address of the email is appropriate based on the transmission information; and

a step of distributing the domain of the transmission source and the transmission source IP address determined to be appropriate to each of the plurality of mail servers,

wherein the transmission source sent to each of the mail servers is a combination of a domain of a transmission source mail address and a transmission source IP address.

10. An information processing program causing a computer to perform:

a function of accepting transmission information being various information related to transmission of an email received by each of a plurality of mail servers, the transmission information being extracted from the email;

a function of determining whether a domain of a transmission source and a transmission source IP address of the email is appropriate based on the transmission information; and

a function of distributing the domain of the transmission source and the transmission source IP address determined to be appropriate to each of the plurality of mail servers,

wherein the transmission source sent to each of the mail servers is a combination of a domain of a transmission source mail address and a transmission source IP address.