

{Claims}

{Claim1}

A relay device configured to relay connection to a requested server based on a connection request from a client terminal, comprising:

- an access management unit configured to receive a user ID and a password for logging in to the requested server from the client terminal and configured to relay the connection between the client terminal and the requested server ; and

- an user authentication unit which is configured to access the requested server using a combination of the user ID and the password received by the access management unit by way of a protocol different from connection relay processing of the access management unit to confirm a validity of a combination of the user ID and the password;

wherein

- the access management unit and the user authentication unit are functional units implemented by a CPU in the relay device; and

wherein

- the access management unit is configured to not relay any user authentication to the requested server from the client terminal but establishes a session with the requested server after the user authentication unit has confirmed the validity of the combination of the user ID and the password to relay the connection between the client terminal and the requested server, and

- wherein

- the access management unit is further configured to not display on a display of the client terminal any login screen for logging-in to the requested server when the password for the requested server is wrong.

{Claim 2}

The relay device according to claim 1, wherein:

- the user authentication unit confirms, by using either a predetermined protocol different from a protocol used in communication between the access management unit and the requested server or a protocol corresponding to a predetermined interface equipped in the requested server, the validity of the combination of the user ID and the password received by the access management unit.

{Claim 3}

The relay device according to claim 2, wherein:

the predetermined interface equipped in the requested server has a service for receiving a predetermined request along with a user ID and a password which are given a validated authority by the requested server and then providing predetermined information, and

the user authentication unit transmits, to the service, a predetermined request including the user ID and the password received by the access management unit and then, if the predetermined information is received in response from the service, determines that the combination of the user ID and the password received by the access management unit is correct.

{Claim 4}

A computer-implemented relay method for relaying connection to a requested server based on a connection request from a client terminal, comprising steps of:

receiving a user ID and a password for logging in to the requested server from the client terminal;

relaying the connection between the client terminal and the requested server;

accessing the requested server using a combination of the user ID and the password received in the step of receiving by way of a protocol different from connection relay processing in the step of relaying the connection to confirm a validity of the combination of the user ID and the password;

wherein:

in the step of relaying the connection, any user authentication information is not relayed to the requested server from the client terminal. Instead, a session is established with the requested server after the validity of the combination of the user ID and the password is confirmed to relay the connection between the client terminal and the requested server, and

wherein:

when the password for the requested server is wrong, any login screen for logging-in to the requested server is not displayed on a display of the client terminal.

{Claim 5}

A non-transitory computer-readable storage medium storing a computer program causing a computer to function as a relay device which relays connection to a requested server based on a connection request from a client terminal, which causes the computer to function as:

receiving means for accepting a user ID and a password for logging in to the requested server from the client terminal;

connection relay means for relaying the connection between the client terminal and the requested server; and

confirmation means for confirming a validity of a combination of the user ID and the password received by the receiving means by way of a protocol different from connection relay processing of the connection relay means,

wherein:

the connection relay means is configured to not relay any user authentication to the requested server from the client terminal but establishes a session with the requested server after the confirmation means has confirmed the validity of the combination of the user ID and the password to relay the connection between the client terminal and the requested server, and

wherein

the receiving means is further configured to not display on a display of the client terminal any login screen for logging-in to the requested server when the password for the requested server is wrong.