Method for receiving the data, only from server that can be trusted

(KX-UT1xx series/248)

No. 12-008

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Ver.1.1

Panasonic Corporation

Abstract about this document

This document describes about behavior and setting method of "SSAF(SIP Source Address Filter)". By using this function, UT1xx/248 will reject the call from the server which is not set into UT1xx/248.

Revision history

Date	Version	Revision	Firmware version
Jun. 22, 2011	Ver. 1.0	Initial Release	All versions
May 18,2012	Ver. 1.1	Correct misdescription/Add UT248	All versions

Outline

・UT1xx/248 have a function that can receive the data "only" from servers set as Register, Proxy or Presence server and reject another server which are not set.

・The function is enabled by setting the parameters of "configuration file" or "Web user interface" .

Configuration file Parameter	: SIP_DETECT_SSAF_n
Web user interface Parameter	: Enable SSAF select

Distinguish method of data

1. Register server information by Configuration file or Web user interface

Server address is example

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KX-UT136 | Status | Network | System | **VoIP** | Telephone | Maintenance

SIP Server

Web Port Close

VoIP

SIP Settings
- Line 1
- Line 2
- Line 3
- Line 4

Registrar Server Address	100.100.100.1
Registrar Server Port	5060 [1-65535]
Proxy Server Address	100.100.100.2
Proxy Server Port	5060 [1-65535]
Presence Server Address	presenceserver_exam.com
Presence Server Port	5060 [1-65535]

by Web user interface

→

Server information

Registrar : 100.100.100.1
Proxy : 100.100.100.2
Presence:
presenceserver_exam.com

2. UT1xx/248 save IP address of the server to the list.

When server address is registered as FQDN, it is converted into IP address by "name resolution" and stored as list of IP Addresses.

(presenceserver_exam.com → 100.100.100.3)

Server information

Registrar : 100.100.100.1
Proxy : 100.100.100.2
Presence:
presenceserver_exam.com

→

IP address list

100.100.100.1
100.100.100.2

100.100.100.3
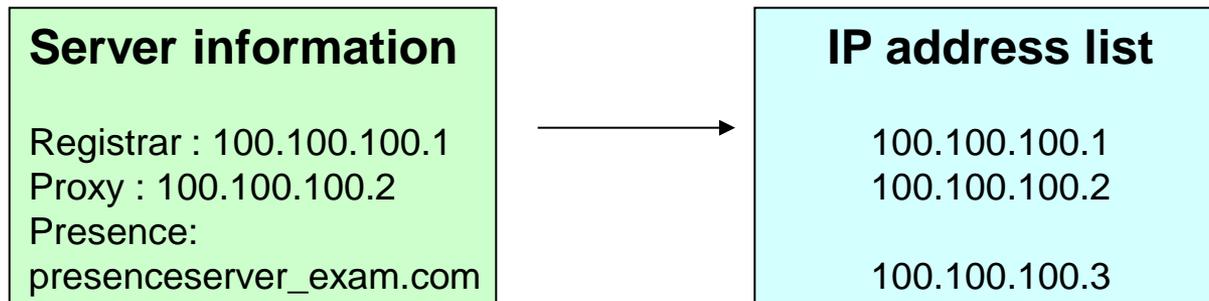
Distinguish method of data

3 – 1 Data arrives at UT1xx/248.

3 – 2 Collation is done between IP address list of UT1xx/248 and source address of IP header of the data.

3 – 3 As a result of checking,

When source address of the data is in the IP address list, UT1xx/248 accept the data.

When it is not so, the data is discarded.
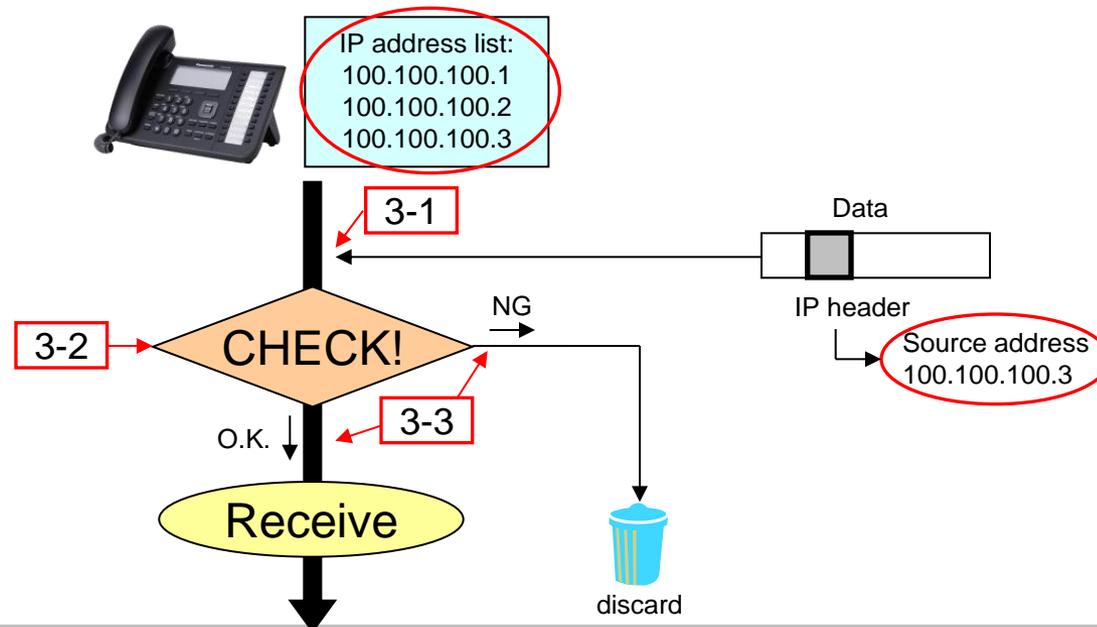
How to turn on "SSAF"

<u>Via Web user interface</u>

1. Enter the IP address into a PC's Web Browser.
   (refer to final page "**How to access Web User Interface"**)
2. Login as "Administrator".
3. Move to [VoIP] – [Line 1] screen.
4. Select "Yes" at "Enable SSAF(SIP Source Address Filter)"
5. Click [Save].
6. Set [Line 2] – [Line 4] or [Line6*] in a similar way.
   *Line5, 6 : Only available UT248.

How to turn on "SSAF"

<u>Via Configuration file</u>

```
SIP_DETECT_SSAF_1="Y"
SIP_DETECT_SSAF_2="Y"
SIP_DETECT_SSAF_3="Y"
SIP_DETECT_SSAF_4="Y"
SIP_DETECT_SSAF_5="Y"
SIP_DETECT_SSAF_6="Y"
```

*Line5, 6 : Only available UT248.

1. Add or change the above-mentioned setting to existing configuration file.
    Note!! If the same parameter is specified in a configuration file more than once, the value specified first is applied.
2. Apply Configuration file into UT1xx/248.

How to access Web user interface

1. Confirm the IP address of KX-UT1xx/248.
    1-1 : [Setting] (Left soft key) → select [Information Display] → [Enter] → [Down] (joystick).
    1-2 : Confirm the IP address displayed on LCD.

2. Embedded Web.
    2-1 : [Setting] (Left soft key) → [#][5][3][4].
    2-2 : Select [On] → [Enter].

3. Access the Web user interface.
    3-1 : Open your Web browser.
    3-2 : Enter your KX-UT1xx/248 URL to Web browser
         (http://your KX-UT1xx/248 IP address) .
    3-3 : Enter Authentication ID and password and click "OK".
         (Default :ID="admin", password="adminpass")