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

(KX-TGP600 series)

No. 02-008

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Ver.1.0

Panasonic Corporation

Abstract about this document

This document describes about behavior and setting method of "SSAF(SIP Source Address Filter)". By using this function, TGP600 will reject the call from the server which is not set into TGP600
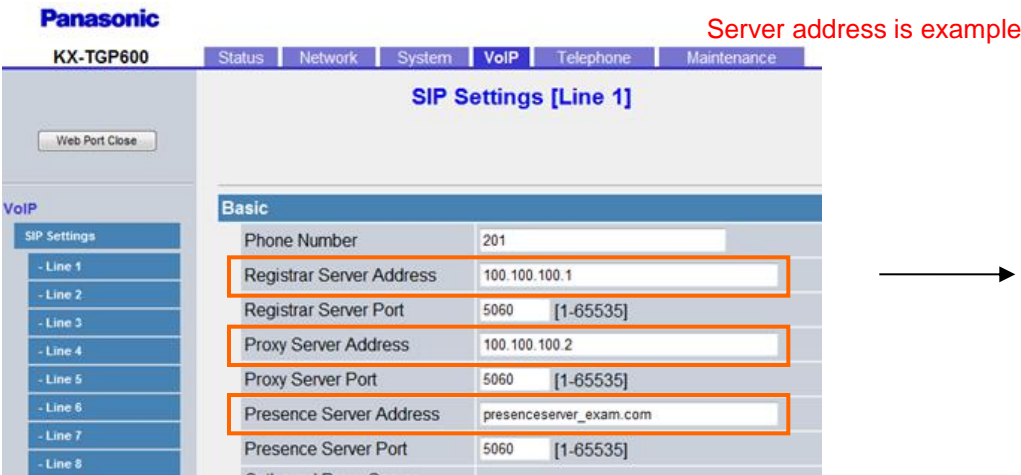
Revision history

Date	Version	Revision	Firmware version
Dec 14, 2015	Ver. 1.0	Initial Release	All versions

Outline

・TGP600 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

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-TGP600 | Status | Network | System | **VoIP** | Telephone | Maintenance

SIP Settings [Line 1]

Web Port Close

VoIP

SIP Settings
- Line 1
- Line 2
- Line 3
- Line 4
- Line 5
- Line 6
- Line 7
- Line 8

Basic

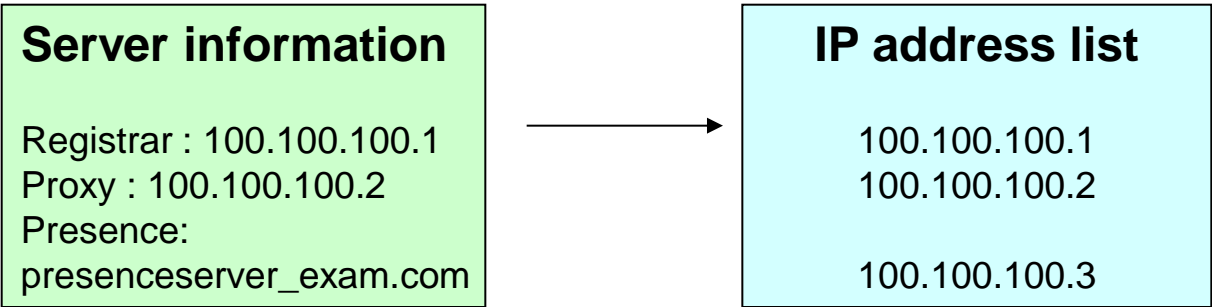| Phone Number | 201 |
Registrar Server Address	100.100.100.1
Registrar Server Port	5060 [1-65535]
Proxy Server Address	100.100.100.2
Proxy Server Port	5060 [1-65535]
Presence Server Address	presenceserver_exam.com
Presence Server Port	5060 [1-65535]

by Web user interface

→

Server information

Registrar : 100.100.100.1
Proxy : 100.100.100.2
Presence: presenceserver_exam.com

2. TGP600 saves 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
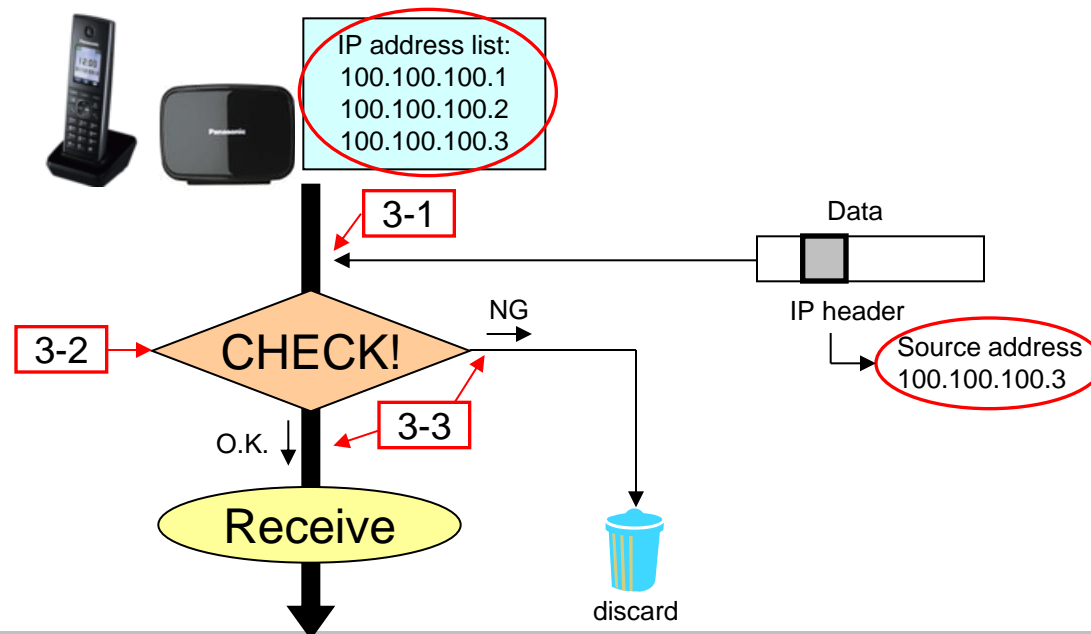
100.100.100.1
100.100.100.2

100.100.100.3

3 – 1 Data arrives at TGP600.

3 – 2 Collation is done between IP address list of TGP600 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, TGP600 accept the data.

When it is not so, the data is discarded.

How to turn on "SSAF"

Via Web UI

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].
4. Select "Yes" at "Enable SSAF(SIP Source Address Filter)"
5. Click [Save].

Via Configuration file

```
SIP_DETECT_SSAF="Y"
```

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 TGP600.

1. Confirm the IP address of KX-TGP600.

    1-1 : [Menu] (Center soft key) → select [System Settings] → [Enter] → select [Status] → [Enter] → select [IPv4 Settings] → [Enter] → select [IP Address].

    1-2 : Confirm the IP address displayed on LCD.

2. Embedded Web.

    2-1 : [Menu] → [Basic Setting] → [Other Option] → [Embedded Web] → select [On]

3. Access the Web user interface.

    3-1 : Open your Web browser.

    3-2 : Enter your KX-TGP600 URL to Web browser

        (http://your KX-TGP600 IP address) .

    3-3 : Enter Authentication ID and password and click "OK".

        (Default :ID="admin", password="adminpass")