

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

(KX-TGP series)

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Ver.1.0

Panasonic Corporation

Abstract about this document

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

Revision history

Date	Version	Revision	Firmware version
Mar. 3, 2011	Ver. 1.0	Initial Release	All versions

Outline

- TGP5xx 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_[1-8]
Web user interface Parameter	: Enable SSAF select

Distinguish method of data

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

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Server address is example

Status	Network	System	VoIP	Telephone	Maintenance
SIP Server					
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. TGP5xx 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

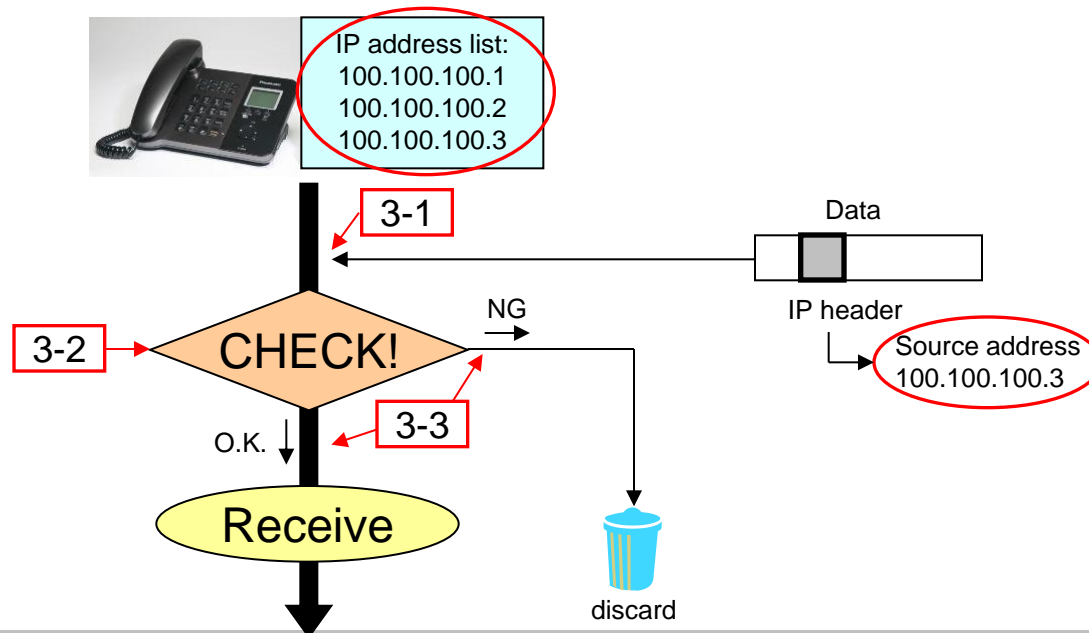
3 – 1 Data arrives at TGP5xx.

3 – 2 Collation is done between IP address list of TGP5xx 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, TGP5xx accept the data.

When it is not so, the data is discarded.



How to turn on “SSAF”

Via Web user interface

The screenshot displays the VoIP configuration page in a web browser. The interface is divided into several sections: 'Timer Settings', 'Quality of Service (QoS)', 'SIP extensions', 'Keep Alive', and 'Security'. The 'Security' section contains the 'Enable SSAF (SIP Source Address Filter)' option, which is currently set to 'Yes'. The 'Save' button is located at the bottom of the page. Red callout boxes with numbers 3, 4, and 5 highlight the 'VoIP' tab, the 'SIP Settings' menu, and the 'Save' button, respectively.

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 8] in a similar way.

How to turn on “SSAF”

Via Configuration file

```
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"  
SIP_DETECT_SSAF_7="Y"  
SIP_DETECT_SSAF_8="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 TGP5xx

How to access Web user interface

1. Confirm the IP address of KX-TGP5xx.

1-1 : Handset [MENU] (center of joystick) → [#][5][0][1].

Base Unit [MENU] (center of joystick) → [#][5][0][1].(KX-TGP550 only)

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

2. Embedded Web.

2-1 : Handset [MENU] (center of joystick) → [#][5][3][4].

Base Unit [MENU] (center of joystick) → [#][5][3][4].(KX-TGP550 only)

2-2 : Select (On) → [SAVE] (center of joystick) → [OFF].

3. Access the Web user interface.

3-1 : Open your Web browser.

3-2 : Enter your KX-TGP5xx URL to Web browser
(http://your KX-TGP5xx IP address) .

3-3 : Enter Authentication ID and password and click “OK”.
(Default :ID=“admin”, password=“adminpass”)