

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

(KX-UT670)

No. 22-008

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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, UT670 will reject the call from the server which is not set into UT670.

## Revision history

Date	Version	Revision	Firmware version
Dec 22, 2011	Ver. 1.0	Initial Release	All versions

# Outline

- UT670 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_[1-6]
Web user interface Parameter	: Enable SSAF select

# Distinguish method of data

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

**Panasonic** Server address is example

KX-UT670NE

Status Network System **VoIP** Telephone Maintenance

Web Port Close

VoIP

SIP Settings

- Line 1
- Line 2
- Line 3
- Line 4
- Line 5
- Line 6

**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]

**Outbound Proxy Server**

Outbound Proxy Server

by Web user interface

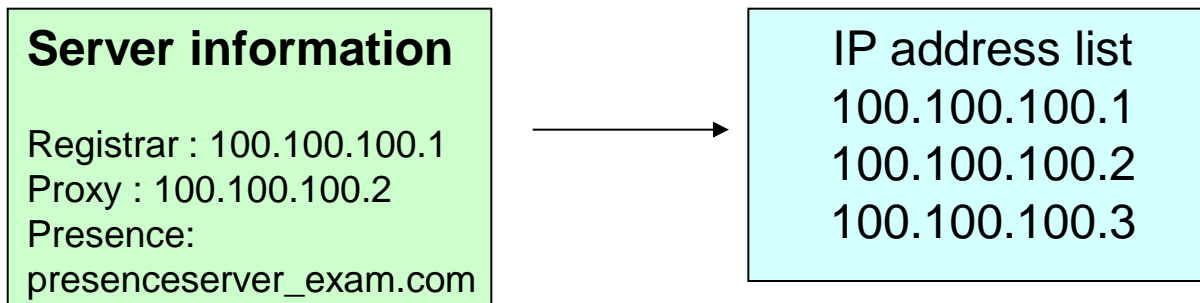
**Server information**

Registrar : 100.100.100.1  
Proxy : 100.100.100.2  
Presence:  
presenceserver\_exam.com

## 2. UT670 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)



# Distinguish method of data

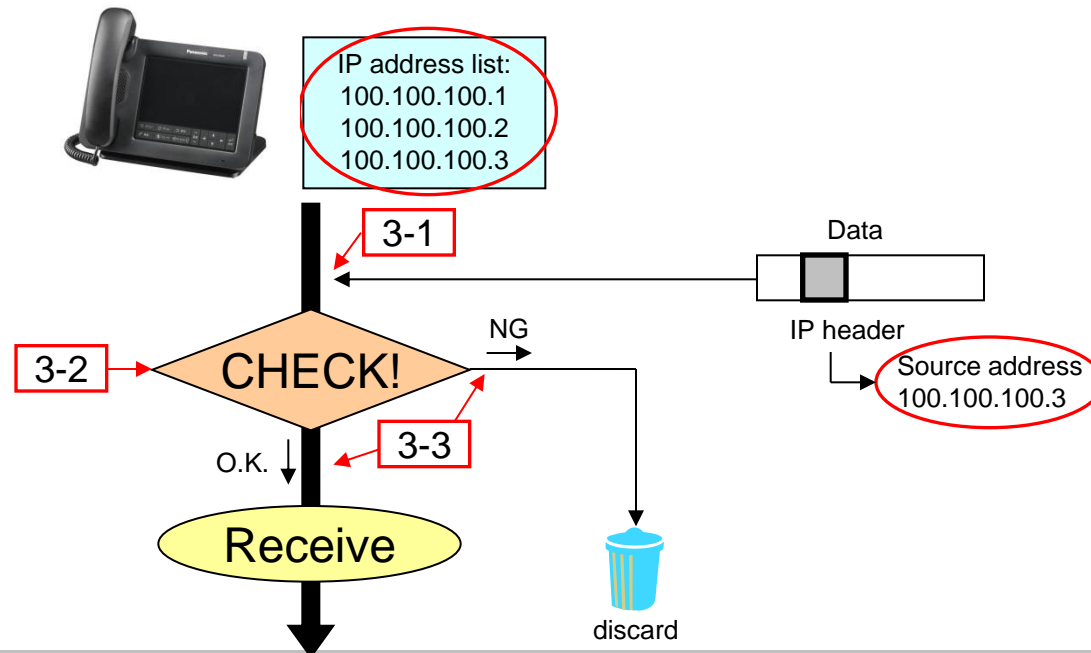
3 – 1 Data arrives at UT670.

3 – 2 Collation is done between IP address list of UT670 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, UT670 accept the data.

When it is not so, the data is discarded.



# How to turn on “SSAF”

## Via Web user interface

The screenshot shows the web user interface for the KX-UT670NE device. The 'VoIP' tab is selected, and the 'Enable SSAF (SIP Source Address Filter)' option is set to 'Yes'. The 'Save' button is highlighted. The left sidebar shows a list of lines (Line 1 to Line 6) with a red box around the list and a callout '3'. The 'Save' button is highlighted with a red box and a callout '5'. The 'Enable SSAF (SIP Source Address Filter)' option is highlighted with a red box and a callout '4'.

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 6] 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"
```

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 UT670

# How to access Web user interface

## 1. Confirm the IP address of KX-UT670.

1-1 : [Menu] ( Upper left of sheet key) →[Settings] → [About phone] → [Status]

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

## 2. Embedded Web.

2-1 : [Menu] ( Upper left of sheet key) →[Settings] → [Network]  
→[Embedded web] →select [On]

## 3. Access the Web user interface.

3-1 : Open your Web browser.

3-2 : Enter your KX-UT670 URL to Web browser  
(<http://your KX-UT670 IP address>) .

3-3 : Enter user name (**admin**) and password (**adminpass**) and click “OK”.

3-4 : The Web user interface window is displayed.  
Configure the settings for the unit as desired.