

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

(KX-UDS/UDT series)

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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, UDS/UDT will reject the call from the server which is not set into UDS/UDT.

Revision history

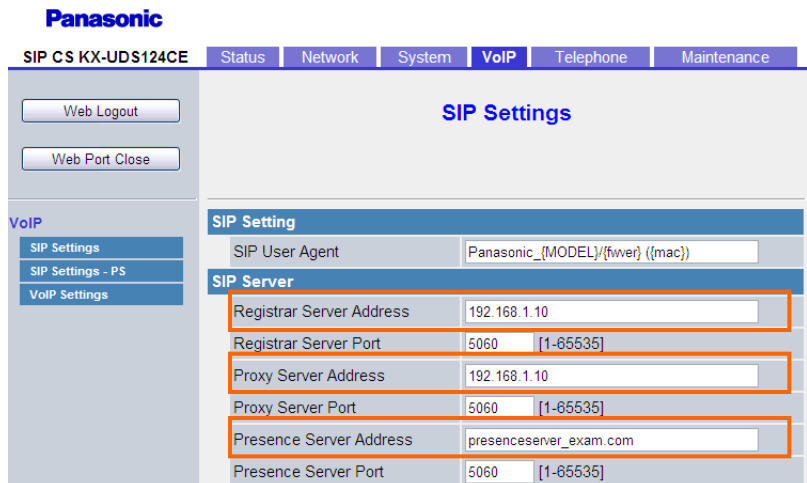
Date	Version	Revision	Firmware version
Sep 20, 2012	Ver. 1.0	Initial Release	All versions

- UDS 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

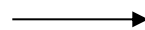
1. Register server information by Configuration file or Web user interface



address is example

Server information

Registrar : 100.100.100.1
Proxy : 100.100.100.2
Presence: presenceserver_exam.com



by Web user interface

2. UDS 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

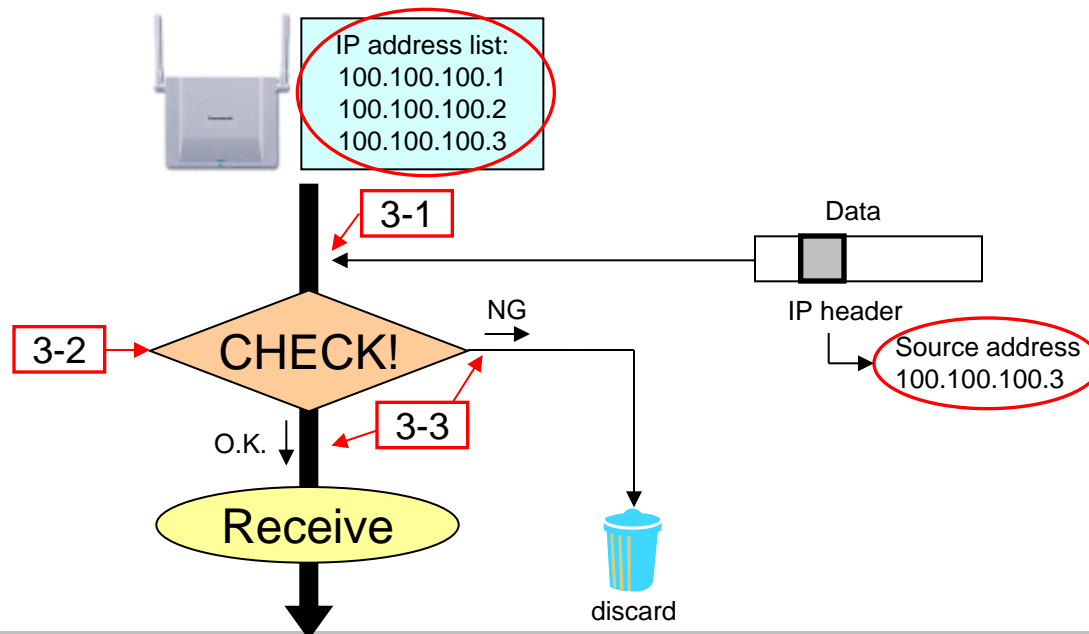
100.100.100.1
100.100.100.2
100.100.100.3

Distinguish method of data

- 3 – 1 Data arrives at UDS.
- 3 – 2 Collation is done between IP address list of UDS 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, UDS accept the data.

When it is not so, the data is discarded.



How to turn on “SSAF”

Via Web UI

Panasonic

SIP CS KX-UDS124CE

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

Address

Outbound Proxy Server Port: 5060 [1-65535]

SIP Service Domain

Service Domain: []

DNS

Enable DNS SRV lookup: Yes No

SRV lookup Prefix for UDP: _sip_udp.

SRV lookup Prefix for TCP: _sip_tcp.

Transport Protocol for SIP

Transport Protocol: UDP TCP

Timer Settings

T1 Timer	500	milliseconds
T2 Timer	4	seconds
Timer B	32000	milliseconds [250-64000]
Timer D	5000	milliseconds [0, 250-64000]
Timer F	32000	milliseconds [250-64000]
Timer H	32000	milliseconds [250-64000]
Timer J	5000	milliseconds [0, 250-64000]

Quality of Service (QoS)

SIP Packet QoS (DSCP): 0 [0-63]

SIP extensions

Supports 100rel (RFC 3262): Yes No

Supports Session Timer (RFC 4028): 0 seconds [60-65535, 0: Disable]

Security

Enable SSAF (SIP Source Address Filter): Yes No

All Save | Cancel

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].

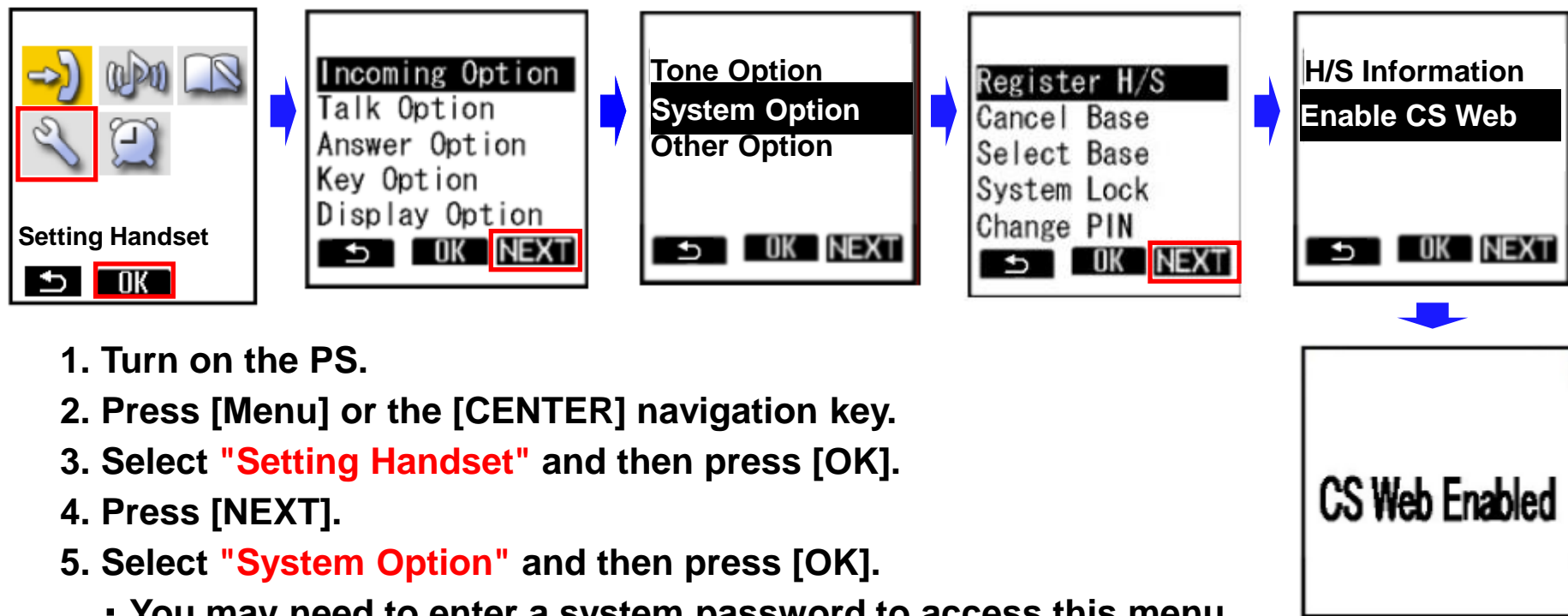
How to turn on "SSAF"

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 UDS.

Appendix : How to Open the CS Web port



1. Turn on the PS.
2. Press [Menu] or the [CENTER] navigation key.
3. Select **"Setting Handset"** and then press [OK].
4. Press [NEXT].
5. Select **"System Option"** and then press [OK].
 - You may need to enter a system password to access this menu.
6. Press [NEXT] to display the second screen, select **"Enable CS Web"**, and then press [OK].
7. When the operation is complete, "CS Web Enabled" is displayed.