

Flashhook Mode Configuration in AOS

This document explains the configuration options available for flashhook mode in TA 900(e) & NV6355 products. When a caller using an analog phone presses the flashhook, the ADTRAN product is responsible for notifying the SIP server of this event.

There are two options for configuration explained below:

1. Interpreted

The default setting for flashhook mode in AOS is 'interpreted.' When a flashhook event is interpreted, a re-INVITE (defined in RFC 3261) is sent to the SIP server.

It can be configured with the following command via the CLI:

```
TA924e(config)#voice flashhook mode interpreted
```

Alternatively, it can be configured in the GUI: *Voice -> System Parameters -> Flashhook Mode*

Below is an example of a re-INVITE sent to a SIP server due to a flashhook event:

```
Tx: UDP src=10.10.10.2:5060 dst=10.10.10.1:5060
INVITE sip:10.10.10.1:5060 SIP/2.0
From: "FXS 1" <sip:9076@10.10.10.1:5060;transport=UDP>;tag=2fc9f30-a13d579...
To: <sip:9070@10.10.10.1:5060;transport=UDP>;tag=646503813-1199815444854
Call-ID: 2fe3410-a13d579-13c4-16816-6660eb76-16816@10.10.10.1
CSeq: 2 INVITE
Via: SIP/2.0/UDP 10.10.10.2:5060;branch=z9hG4bK-16828-57edc55-1cf5fb52
Max-Forwards: 70
Supported: 100rel,replaces
Allow: ACK, BYE, CANCEL, INFO, INVITE, NOTIFY, OPTIONS, PRACK, REFER, REGISTER
User-Agent: ADTRAN_Total_Access_916e/16.03.00.E
Contact: <sip:9076@10.10.10.2:5060;transport=UDP>
Content-Type: application/SDP
Content-Length: 246

v=0
o=- 92200 92200 IN IP4 10.10.10.2
s=-
c=IN IP4 0.0.0.0
t=0 0
m=audio 10048 RTP/AVP 0 18 101
a=rtpmap:0 PCMU/8000
a=rtpmap:18 G729/8000
a=fmtp:18 annexb=no
a=silenceSupp:off - - - -
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

2. Transparent

If configured as 'transparent', an INFO message (defined in RFC 2976) is sent to the SIP server specifying an 'event flashhook'. It can be configured with the following command via the CLI:

TA924e(config)#voice flashhook mode transparent

Alternatively, it can be configured in the GUI: *Voice -> System Parameters -> Flashhook Mode*

Below is an example of an INFO sent to a SIP server due to a flashhook event:

```
Tx: UDP src=10.10.10.2:5060 dst=10.10.10.1:5060
INFO sip:10.10.10.1:5060 SIP/2.0
From: "FXS 1"<sip:9076@10.10.10.1:5060;transport=UDP>;tag=2fc9810-a13d579...
To: <sip:9070@10.10.10.1:5060;transport=UDP>;tag=1710861582-1199815303807
Call-ID: 2fe3220-a13d579-13c4-16789-2c37dfb8-16789@10.10.10.1
CSeq: 2 INFO
Via: SIP/2.0/UDP 10.10.10.2:5060;branch=z9hG4bK-16790-57c8cf5-7f59e564
Max-Forwards: 70
Supported: 100rel,replaces
Allow: ACK, BYE, CANCEL, INFO, INVITE, NOTIFY, OPTIONS, PRACK, REFER, REGISTER
User-Agent: ADTRAN_Total_Access_916e/16.03.00.E
Contact: <sip:9076@10.10.10.2:5060;transport=UDP>
Content-Type: application/broadsoft
Content-Length: 17
```

event flashhook

Configuring flashhook mode in the CLI:

TA924e(config)#voice flashhook mode

interpreted - Allow the local unit to interpret flashhook events

transparent - Treat flashhook events transparently to the provider

Configuring flashhook mode in the GUI:

The screenshot shows the ADTRAN Total Access 924e GUI. The left sidebar contains a navigation menu with categories: System, Voice, Stations, Trunks, System Setup, Reports, Data, and Utilities. The main content area is titled "System Parameters" and contains a list of configuration items. The "Flashhook Mode" is highlighted with a red box and is set to "Interpreted". The "Flashhook Range" is set to "Interpreted" and "Transparent" with a range of "<300 - 1000>". Other parameters include Call Routing Mode (Network), Call Appearance Mode (Multiple), SPRE Handling Mode (All Network), Transfer Mode (Network), Forward Mode (Local), Unattended Transfer Mode (Do Not Convert to Blind Transfer), Codec Priority Mode (Trunk Priority), Number of Rings (0), Interdigit Timeout (4 seconds), Park Return (60 seconds), Connected Timeout (12 hours), and Alerting Timeout (5 minutes).