



How to remote reboot phone through SIP message

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1. Overview

Remote reboot phone by SIP message need server supported. Firstly, Server send a Notify message ("Event=check-sync") to Yealink phones. Yealink phones handle this Notify message then auto reboot and auto provision. User can remote manage Yealink phones through this way, e.g. keep the phones' firmware version and configuration synchronize with server.

2. Message flow



Figure 1: Message flow of remote reboot phone

3. Example

F1:

```
NOTIFY sip:2413333616@10.1.3.219:5062 SIP/2.0
Via:SIP/2.0/UDP 64.215.212.70;
branch=z9hG4bKBroadWorks.2uhv-125.77.254.53V51936-0-245326054-1927547216-1280390906
317-
From:<sip:as.iop1.broadworks.net>;tag=1927547216-1280390906317-
To:<sip:2413333616@as.iop1.broadworks.net>
Call-ID:BW040826317290710-1545969689@64.215.212.70
CSeq:245326054 NOTIFY
Contact:<sip:as.iop1.broadworks.net>
Event:check-sync; reboot=true
Subscription-State:terminated
Max-Forwards:20
Content-Length:0
```

F2:

SIP/2.0 200 OK

Via: SIP/2.0/UDP 64.215.212.70;

branch=z9hG4bKBroadWorks.2uhv-125.77.254.53V51936-0-245326054-1927547216-1280390906
317-

From: <sip:as.iop1.broadworks.net>;tag=1927547216-1280390906317-

To: <sip:2413333616@as.iop1.broadworks.net>;tag=1978752572

Contact: <sip:2413333616@10.1.3.219:5062>

Call-ID: BW040826317290710-1545969689@64.215.212.70

CSeq: 245326054 NOTIFY

User-Agent: Yealink SIP-T28P 2.51.0.1

Content-Length: 0

Note:

1. For some platforms, remote reboot operations depend on account, in this case, the terminal should register an account.
2. When the NOTIFY request message header contains the "reboot = true", after Yealink phone receives this message, it will auto reboot no matter whether to update configuration or not. If doesn't contains the "reboot = true" then the phone only in case of need to update the configuration, phone will update the configuration and then auto reboot.

4. Description of key fields or header

Table 1: Keywords related to remote restart the business segment or the first domain description

Number	Name	Data Type	Detailed description	Required
F1	NOTIFY	String	Event: Must as "check-sync"	Required
			reboot: true	Optional
F2	200(NOTIFY)	String	UAC must respond NOTIFY as 200 OK	Required

5. Reference

RFC3261