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## Trace

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## Trace

Trace is a lightweight extension of our [Homer SIP capture](#), a diagnostic tool used to both record and debug SIP and RTP Media messages exchanged between endpoints on our network.

While the Trace tool does not contain the detail of the Homer Application, it is a useful application for engineers to identify basic [INVITE](#) request.

## How use Trace

1. Select Tools > Trace.
2. Select Preferences

The screenshot shows the Trace tool interface. At the top, there is a search bar labeled "Filter" with the placeholder text "Search for 'from' or 'to' number". To the right of the search bar is a "Show registration" toggle switch. Below the search bar are tabs for "Last calls" with options: "LAST 30 MINS", "LAST HOUR", "LAST 3 HOURS", "LAST 6 HOURS", and "RANGE". A "SEARCH" button is located on the right side of the interface. The main table displays a list of calls with columns: DATE, METHOD, FROM, SOURCE PORT, DESTINATION IP, and DESTINATION PORT. A modal window is open over the table, showing details for an INVITE message from 16/11/23 05:20:14. The details include: INVITE sip:13106341786@192.168.222.71:5060 SIP/2.0, Via: SIP/2.0/UDP 192.168.222.85:5060;branch=z9hG4bK590a8332, Max-Forwards: 69, From: "WIRELESS CALLER" sip:14243917917@192.168.222.85;tag=as70b7eb14, To: sip:13106341786@192.168.222.71:5060, Contact: sip:14243917917@192.168.222.85:5060, Call-ID: 0944418a2cf9d80413242da2407041c@192.168.222.85:5060, CSeq: 102 INVITE, User-Agent: 2talk PBX, and Date: Thu, 16 Nov 2023 05:20:14 GMT.

DATE	METHOD	FROM	SOURCE PORT	DESTINATION IP	DESTINATION PORT	
15 Nov 2023 21:20:21	CANCEL	142.439.1791.7	222.85	5060	192.168.222.71	5060
15 Nov 2023 21:20:21	200	142.439.1791.7	222.71	5060	192.168.222.85	5060
15 Nov 2023 21:20:21	487	142.439.1791.7	222.71	5060	192.168.222.85	5060
15 Nov 2023 21:20:21	ACK	142.439.1791.7	222.85	5060	192.168.222.71	5060
15 Nov 2023 21:20:14	INVITE	142.439.1791.7	222.85	5060	192.168.222.71	5060
15 Nov 2023 21:20:14	100	142.439.1791.7	222.71	5060	192.168.222.85	5060
15 Nov 2023 21:20:14	INVITE	142.439.1791.7	2.50	5060	27.111.12.177	5060

## Trace Registration

To both receive and make phone calls the handset will normally be **registered** to our network. This useful Registration test tool verifies the last four hours of **registration** attempts, including any failures. The test also identifies the UserAgent, which is helpful in diagnosing a failure to a particular phone.

Device Provisioning **Trace** Call Check Reception Console Porting Teams Heartbeat SMS

Filter  Show registration

Last calls **LAST 30 MINS** LAST HOUR LAST 3 HOURS LAST 6 HOURS RANGE SEARCH

DATE	METHOD	FROM	TO	AGENT	SOURCE IP	SOURCE PORT	DESTINATION IP	DESTINATION PORT
You have no call registered.								