Response code for declining completely
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Abstract

This document defines new response code that clients would use for instructing the server to decline a call completely. This fills in the gap that existing response codes do not provide
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1. Introduction

The 605 Decline Everywhere response code allows the receiving UA the ability to instruct the proxy to decline a call completely, and terminate all call legs including any staged ringing to other destinations such as a team. It fills in the gap that existing 6xx response codes have with staged ringing.

The 605 looks identical to the 603 in all respects, except that the response code has a very special meaning for the proxy. Proxys that do not support 605 are expected to treat this as a 603 and send the response all the back to the client.

2. Terminology

In this document, the key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "NOT RECOMMENDED", "MAY", and "OPTIONAL" are to be interpreted as described in BCP 14, RFC 2119 [1] and indicate requirement levels for compliant implementations.

3. 605 Decline Everywhere

We have the following scenarios that need to be addressed with SIP response codes

Scenario1: User declines a call from one specific endpoint and allows other endpoints to ring. One example of this scenario is where the current endpoint already has one or more ongoing calls and cannot accept any other calls. The client can send out a 486 Busy Here response code and the proxy will continue to ring other endpoints.

Scenario2: User declines a call and does not want to accept it from any of his own endpoints. However, he would like the call to be answered by voicemail or, in a staged ringing scenario, by endpoints capable of answering the call such as a team member. The 603 response code allows the user to support this scenario.

Scenario3: User is currently busy and knows that the call cannot be answered by any other of his own endpoints including voicemail. However he would like the call to be answered by other endpoints not his own (such as a team member) that are capable of answering the call. The 600 reason code can be used for this purpose.

Scenario4: User wants to decline the call and convey the intention that he wants to contact through a different mode. The user wants no
other staged ringing endpoints such as team to pick up the call, and
does not want the call to be answered by voicemail. The new 605
Decline Everywhere response code fills in this gap.

The 605 response code indicates to the server to decline the call
completely and stop further processing of the call. An example of a
scenario where this is required is where the receiving user wants to
reply to the incoming call with another mode (such as instant
messaging) and does not want the incoming call to be sent to
voicemail or other destinations.

The 605 is identical to 603 in all respects, with the exception that
the Retry-After semantics shall not be supported.

Proxy servers that do not support 605 are expected to send it all the
way to the calling party. Clients should be prepared to receive a 605
and treat it similar to a 603

4. References

4.1. Normative References

[1] Rosenberg, J., Schulzrinne, H., Camarillo, G., Johnston, A.,
Peterson, J., Sparks, R., Handley, M. and E. Schooler, "SIP:

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