

ICE
Internet-Draft
Intended status: Informational
Expires: April 21, 2016

P. Martinsen
Cisco
October 19, 2015

ICE Timers, values and recommendations
draft-martinsen-ice-ice-timers-00

Abstract

The ICE set of RFCs contains pacing and timer values. The network gear initially used to test and figure out those values can now safely be considered obsolete. This document describes the current timer values and pacing recommendations for the ICE RFCs.

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Table of Contents

1. Introduction	2
2. Notational Conventions	2
3. Timers	2
3.1. RTO	2
3.2. Ta	2
4. Pacing	3
4.1. Keep-Alive	3
4.2. Consent	3
5. IANA Considerations	3
6. Acknowledgements	3
7. Normative References	3
Author's Address	3

1. Introduction

This document describes updated ICE related timing values and pacing recommendations. As the world moves on and new knowledge is acquired it might be necessary or useful to update some of the timing sensitive recommendations in the ICE set of RFCs. Rather than updating the entire set of ICE RFCs this document will be updated. (How is this done? Obsolete an RFC and create a new one? How many bis versions can there be?)

2. Notational Conventions

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in [RFC2119].

This document uses terminology defined in [RFC5245].

3. Timers

How to deal with RTO vs just sending a new STUN request with a new TransID? (Implementation differences)

3.1. RTO

Since recent advancements in networking and the speed off light problem is no longer an issue this timer value can now be set to 0.

3.2. Ta

Some nice text describing the usage and current recommended values here..

4. Pacing

4.1. Keep-Alive

4.2. Consent

5. IANA Considerations

None.

6. Acknowledgements

Todo

7. Normative References

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, RFC 2119, DOI 10.17487/RFC2119, March 1997, <<http://www.rfc-editor.org/info/rfc2119>>.

[RFC5245] Rosenberg, J., "Interactive Connectivity Establishment (ICE): A Protocol for Network Address Translator (NAT) Traversal for Offer/Answer Protocols", RFC 5245, DOI 10.17487/RFC5245, April 2010, <<http://www.rfc-editor.org/info/rfc5245>>.

Author's Address

Paal-Erik Martinsen
Cisco Systems, Inc.
Philip Pedersens Vei 22
Lysaker, Akershus 1325
Norway

Email: palmarti@cisco.com