74th IETF Kerberos Working Group

Note Well

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Kerberos Working Group Introduction

- □ Web Page: http://tools.ietf.org/wg/krb-wg/
- □ Mailing List: ietf-krb-wg@anl.gov
 - Archives: ftp://ftp.ietf.org/ietf-mail-archive/krb-wg/
 - OTo Subscribe: https://lists.anl.gov/mailman/listinfo/ietf-krb-wg

Kerberos Working Group Meeting Participation

□ Audio: http://tinyurl.com/ietf74-krb-audio

□Jabber: krb-wg@jabber.ietf.org

□ Materials: http://tinyurl.com/ietf74-krb-slides

Please Use The Mic!

Kerberos Working Group Agenda

- □ Preliminaries (5 min)
- □ Document Status (5 min)
- □ Last Call (5 min)
- □ Proposed work (10 min)
- □ Technical Discussion (75 min)
- □ Open Mic (whatever is left)

Kerberos Working Group Document Status

□ STARTTLS

- odraft-josefsson-kerberos5-starttls-06.txt
- odraft-josefsson-krb5starttls-bootstrap-02.txt
- ODiscussion in progress on mailing list

Kerberos Working Group Last Call

- □ Data Model
 - odraft-ietf-krb-wg-kdc-model-03.txt
 - Last call to start today
- □ IAKERB
 - odraft-ietf-krb-wg-iakerb-01.txt
 - ○Last call Nov-Dec 2008
 - One LC comment

Kerberos Working Group Proposed Work

- □ Ticket Extensions
 - odraft-lha-krb-wg-ticket-extensions-03.txt
- □ DHCP Option
 - odraft-sakane-dhc-dhcpv6-kdc-option-04.txt

Kerberos Working Group Technical Discussion

- □RFC3961 PRF problems
- □ Preauth Framework
 - odraft-ietf-krb-wg-preauth-framework-10

Kerberos Working Group PRF Problems - Background

- □ Simplified Profile Parameters (RFC3961 §5.2):
 - ○H: Unkeyed hash algorithm
 - ○E: Encryption function
 - om: message block size (smallest message size E can handle)
- □ AES128-CTS-HMAC-SHA1-96 (RFC3962 §6):
 - ○H = SHA-1
 - ○E = AES in CBC-CTS mode
 - \circ m = 1 octet

Kerberos Working Group PRF Problems - RFC3961 PRF

□ PRF from RFC3961 §5.3:

Kerberos Working Group PRF Problems - MIT_AES_PRF

□ Proposed new PRF:

□ New Profile Parameter:

ob: Preferred cipher block size

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Kerberos Working Group

Open Mic