Update to the 'Migrating to IPv6' book

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Introduction

This document updates the 'Migrating to IPv6' book.

The first section lists the errors in the book, while the second lists minor changes to the content. The book web site (http://www.ipv6book.ca) offers additional information to complement the book.

I will be very happy if you send me any comment, suggestion or erratum for the book. Please contact me at author@ipv6book.ca.

Errata

This section lists the errors in the content.

Page	Severity	Change
Quotes prelim pages	low	Professional title of Tayeb Ben Meriem is: Director, IPv6 Skill Center, France Telecom R&D.
xxxii	low	Remove ',' after 'Fernandez' on line 3.
57	low	Figure 3.11, substitute "TOS" by "Traffic Class" in IPv6 header.
Inside back cover reference card	low	In figure "States of the neighbor cache, substitute the "state" state in row 3, column 1 by "stale".
360	low	In Figure 19.1, substitute :Transport payload pength" to "Transport payload length". Thanks to Steve Deering for finding this one!

Changes

This section lists the changes to the content. Different from the Errata section, these topics are additional information or newer information from the publication date of the book.

Topic	Description	Book Section	Change
RFC4068, MobileIPv6	A standard protocol is now defined for fast handovers for MobileIPv6.	11.10.1	New bibliography entry added: [RFC4068] Koodli, R. Ed., 'Fast Handovers for Mobile IPv6', RFC 4068, July 2005.
RFC4213	RFC4213 is an update of RFC	16.1,	Bibliography entry replaced from [RFC

Topic	Description	Book Section	Change
	2893 (Basic transition mechanisms). RFC 2893 is now obsolete.	16.7	2893] to [RFC4213]. The new entry is: [RFC4213] Nordmark, E. and Gilligan, R., 'Basic Transition Mechanisms for IPv6 Hosts and Routers', RFC 4213, October 2005.
RFC4214, ISATAP	ISATAP is now a RFC [RFC4214].	16.2.6, 16.7	Bibliography entry replaced from [Templin] to [RFC4214]. The new entry is: [RFC4214] Templin, F., Gleeson, T., Talwar, M. and Thaler, D., 'Intra-Site Automatic Tunnel Addressing Protocol (ISATAP)', RFC 4214, October 2005.
RFC4215, 3GPP	RFC4215 is the analysis of transition mechanisms applied to the 3GPP networks and standards.	12.4, 12.7	New bibliography entry added: [RFC4215] Wiljakka, J. Ed., 'Analysis on IPv6 Transition in Third Generation Partnership Project (3GPP) Networks', RFC 4215, October 2005.
Zebra	Zebra is now replaced by Quagga. Zebra is an open-source routing daemon written by Kunihiro Ishiguro. However, development of Zebra has been taken over in another project named Quagga. However, there are no change in syntax, so the information in the book is correct for Quagga.	10.9	Substitute any reference to Zebra by Quagga. Please refer to http://www.quagga.net.
RFC4218, Multihoming	Threats to multihoming solutions. This document describes the threats, mostly related to redirecting traffic, that might be relevant if a multihoming solution is deployed.	9.12	New bibliography entry added:[RFC4218] Nordmark, E. And T. Li. 'Threats Relating to IPv6 Multihoming Solutions', RFC 4218, October 2005.
RFC4219, Multihoming	Requirements for multihoming solutions. This document lists questions to be answered when a multihoming solution is designed.	9.12	New bibliography entry added:[RFC4219] Lear, E. 'Things Multihoming in IPv6 (MULTI6) Developers Should ThinkAbout'. RFC 4219, October 2005.
RFC4241, Broadband deployment	Access method to deploy IPv4 and IPv6. This document describes the method used by NTT to deploy IPv6 in their broadband access network.	23.9.3	New bibliography entry added:[RFC4241] Shirasaki, Y., Miyakawa, S., Yamasaki, T., and A. Takenouchi. 'A Model of IPv6/IPv4 Dual Stack Internet Access Service', RFC 4241, December 2005.

Topic	Description	Book Section	Change
RFC4242, DHCP	DHCPv6 new lifetime option for nodes that are autoconfigured but are using DHCPv6 for additional information, which then does not have a lifetime in the default specifications.	5.5	New bibliography entry added: [RFC4242] Venaas, S., Chown, T. And B. Volz. 'Information Refresh Time Option for Dynamic Host Configuration Protocol for IPv6 (DHCPv6)'. RFC 4242, November 2005.
RFC4260, MobileIPv6	Fast handover on 802.11 networks. This document describes techniques to enhance the speed of the handover when using 802.11 based networks.	11.10.1	New bibliography entry added: [RFC4260] McCann, P. 'Mobile IPv6 Fast Handovers for 802.11 Networks', RFC 4260, November 2005.
RFC4283, MobileIPv6	Definition of a new mobileIPv6 option to identify mobile nodes by another token than their home address. This is useful when even the home address is dynamic.	11.1.2	New bibliography entry added: [RFC4283]Patel, A., Leung, K., Khalil, M., Akhtar, H. and K. Chowdhury, 'Mobile Node Identifier Option for Mobile IPv6 (MIPv6)', RFC 4283, November 2005.
RFC4311, default routers	Optimisation on the way hosts choose equivalent default routers on the link to provide load balancing of traffic.	5.2.2.2	New bibliography entry added: [RFC4311] Hinden, R. and D. Thaler, 'IPv6 Host-to-Router Load Sharing', RFC 4311, November 2005.
RFC4338, over Fiber Channel	IPv6 packets over Fiber Channel.	6.6	Add this new link-layer in the list of supported link layers in section 6.6. New bibliography entry added: [RFC4338] DeSanti, C., Carlson, C., and R.Nixon, 'Transmission of IPv6, IPv4, and Address Resolution Protocol (ARP) Packets over Fibre Channel', RFC 4338, January 2006.
RFC4380, Teredo	Teredo is now a RFC.	16.2.10	p. 319: Replace "At the time of writing, ..." by "The teredo prefix, assigned by IANA, is: 2001:0000::/32. p.343: Remove bibliography [Huitema] by [RFC4380] Huitema, C., 'Teredo: Tunneling IPv6 over UDP through Network Address Translations (NATs)', RFC 4380, February 2006. p. 69 A new sub-section within 4.3.3 should be added to describe the Teredo prefix. p.75 Table 4.8 should be updated to include the Teredo prefix.

Topic	Description	Book Section	Change
			Inside back cover reference card: the "Types of IPv6 addresses" table should be updated to include the Teredo prefix.
RFC4339, DNS server host configuration	Analysis of 3 different mechanisms to (auto)configure the DNS server information in the host.	8.4	p.143 Section 8.4 should be updated to reference RFC4339 for the list of candidate solutions. p.149 replace [Thaler,2001] reference by [RFC4339] Jeong, J. Ed. 'IPv6 Host Configuration of DNS Server Information Approaches' RFC 4339, February 2006.

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