

Rapid Growth in Top Level Domains in the Domain Name System

SEM5720 - Assignment 1

ALEXANDER D BROWN (ADB9)

Contents

1	Introduction	3
2	Expansion of TLDs	3
3	Non-technical Support of the Expansion of TLDs	3
4	Technical Issues in the Expansion of TLDs	3

1 Introduction

The Domain Name System (DNS) provides a distributed service which maps human readable domain names to machine readable IP addresses. Until recently

2 Expansion of TLDs

3 Non-technical Support of the Expansion of TLDs

4 Technical Issues in the Expansion of TLDs

References

- [1] B. Manning, “Infrastructure challenges to DNS scaling,” *The Internet Protocol Journal*, vol. 14, no. 4, pp. 9–14, Dec. 2011.
- [2] O. Gudmundsson, “DNSSEC and IPv6 A6 aware server/resolver message size requirements,” Internet Requests for Comments, RFC Editor, RFC 3226, Dec. 2001. [Online]. Available: <http://www.rfc-editor.org/rfc/rfc3226.txt>
- [3] (2013) Root Zone Database. IANA. Accessed 17/12/2013. [Online]. Available: <http://www.iana.org/domains/root/db>
- [4] L. Berneke. (2013, Feb.) 10 Reasons Why the New Internet Extensions (new gTLDs) Are Important.
- [5] J. Kaufman. (2013, 14 Jun.) Is Unicode Safe? Accessed 17/12/2013. [Online]. Available: <http://www.jefftk.com/p/is-unicode-safe>