

Mozilla's IDN Implementation

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Overview

- Based on code from JPNIC:
 - RFC 3454 “stringprep”
 - RFC 3490 ACE encoding
- Development History
 - First added to Mozilla 1.4 (Netscape 7.1) *[2003]*
 - Enhancements went into Mozilla 1.7 (Firefox 1.0, Netscape 7.2) *[2004]*
 - Mozilla trunk includes additional enhancements

URL Processing

- Mozilla handles IDN during URL parsing:
 - Input to URL parser may be Unicode or ACE (ACE input converted to Unicode as of Moz 1.8)
 - URL objects store Unicode & ACE versions
 - UI code requests the Unicode version of a URL
 - Network code requests the ACE version
 - Unicode input is normalized (Moz 1.7)

NIC-SE testar IDN: räksmörgås.se - Mozilla {Build ID: 000000000}

File Edit View Go Bookmarks Tools Window Help Debug QA

Back Forward Reload Stop http://www.räksmörgås.se/

Home Bookmarks mozilla.org mozillaZine mozdev.org loader.pl

räksmörgås.se

Detta är en test av IDN, *Internationalized Domain Names*. Det finns mer att läsa om IDN på NIC-SE:s [hemsida om IDN](#). Denna domän heter även xn--rksmrgs-5wao1o.se.

Testlänkar:

- www.räksmörgås.se
- www.xn--rksmrgs-5wao1o.se

Treated Equivalently

History

Title	Location	Last Visited
Today		
www.räksmörgås.se		
NIC-SE testar IDN: räksmörgås.se	<u>http://www.räksmörgås.se/</u>	11/29/2004 01:17:01 PM
Older than 6 days		

Future Plans

- Polish:
 - Eliminate any remaining occurrences of ACE “xn--” strings showing up in the UI
 - Ensure that URLs are always compared in normalized form
- Improve support for IRIs
 - Leveraging abstraction layer introduced for IDN