Powerful Internationalized Domain Name tools for Registrars

idnToolkit

i-DNS.net

Highlights

Allows registrars to participate in Verisign's Internationalized Domain Name testbed.

Supports registration acceptance and administration of 2nd level domain names with non-English characters.

Supports all Codepoints released by Verisign as part of the Internationalized Domain Name testbed.

Includes Internationalized domain name BIND server and customizable WHOIS server code.

Allows you to distribute iClient^{tm}, a free internationalized domain name resolution client, to your customers.

Includes a multi-lingual IME (input method editor) for fast text input and display in any language on your website.

Helps reduce the time and continuing cost of deploying internationalized domain name registration support, with comprehensive documentation, updates and support.

Simplify the Complexity

i-DNS.net idnToolkit, the premier internationalized domain name (IDN) registrar solution, provides a comprehensive solution for ICANN-accredited Registrars who wish to participate in Verisign's IDN testbed. idnToolkit simplifies the complexity of IDN, allowing you to focus on enhancing your revenue streams and addressing your customer's needs.

Comprehensive Tools for All your Needs

idnToolkit is a complete set of development and deployment tools that provide a solution for extending the registration, administration, add-on services, and support your IDN customers need.

Extend your current registration system with an easy-to-use, documented API.

Allow your customers to enter a domain name in any language with a full-featured java-based IME.

Enhance your web hosting services by hosting IDN websites and name servers.

Support resolution of IDNs by your customers and other internet users by distributing iClient^{TM}, the preferred resolution client for IDN users all over the world.

Registrar Solution based on IETF Standards

i-DNS.net is committed to providing IDN solutions that are Internet Engineering Task Force (IETF) compliant, and ensure backward and forward compatibility in its products.

i-DNS.net adheres to all proposed protocols within the IETF IDN Working Group, and supports all the existing ACE formats.

i-DNS.net technology offerings encompass the entire IDNA architecture ensuring complete compatibility from registration to resolution.

Protect your investment, and revenue stream

Technology Support is necessary in a changing world. IDN is developing and will have a time of transition as standards are adopted and modified based on real-world feedback.

i-DNS.net is your strategic partner in helping you manage the change associated with supporting IDN for your customers. We will provide technology updates to you based on activities within the IETF, ICANN, the registries, platform, operating system, database and other changes as they arise. i-DNS.net will keep you current and compliant, all with no hidden costs or fees.

Complementary Technology available from i-DNS.net

User Resolution Products:
- iClient
- Branded iClient
- iResolve

Application Developers
- IDN Software Development Kit

System Administrators
- Apache patch
- mlBIND name server

ACEs supported

All ACE formats are supported including AMC-ACE-Z, DUDE, RACE, UTF-5 and future ACE encodings.

Encodings Supported

i-DNS.net technology supports all native and legacy encodings, including: Shift-JIS, BIG5, GB, KSC5601, UTF-8, UTF-16, KSC, EUC-JP, EUC-KR, ISO8859-1, ISO2022-JP.

About i-DNS.net

Headquartered in Palo Alto, CA with offices in China, Japan, Korea, and Singapore, i-DNS.net International is the leading provider of multilingual Internet technologies and solutions.

The Company's core multilingual domain name technology allows people to use the language of their choice to navigate the Internet.

By pioneering the global deployment of multilingual Internet technology and championing the use of internationalized domain names, i-DNS.net seeks to bridge the gap that has hindered Internet access for non-native English users of the world.

Contact i-DNS.net

At info@i-dns.net or Call 650-566-9020. Visit our website at www.i-dns.net.

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idnToolkit includes the following technology tools:

API (Application Programming Interface)

A set of APIs allows extension of the Registration system to handle IDNs. Available for Java, Perl or C; and fully tested on Linux, FreeBSD, Solaris and AIX, it provides the ability to translate most major encodings to ASCII-compatible encodings.

- Unicode-based. Supports Normalization (UTR#15) and Case Folding (UTR#21).
- Handles domain names unification for CJK Traditional/ Simplified Ideograph, Arabic diacritics and Hebrew vowels.
- Enables verification of valid multilingual domain names
- Supports multiple native encodings, Unicode Transformation Formats and ASCII Compatible Encodings.

mlBIND

Name daemon to be deployed as the name server to enable IDN queries.

For registrants who want to host the IDN '.com' names, they have the option of installing mlBIND on the authoritative name server of the domain name. Currently based on ISC BIND 8 and 9, mlBIND has been developed by i-DNS.net to enable the administration of IDN hosting and facilitates resolution of locally hosted IDNs.

- Handles domain names in different native/universal encoding format.

- Supports delegation of subdomains and allows IDNs on the 3rd & 4th level
- Preserves all DNS functionalities, including IPv6 A6, DNSSEC.
- APACHE patch for Virtual Hosting of IDNs.

iClient™ Distribution

iClient is a Windows plug-in that enables resolution of IDNs in many user applications. Upon installation, end-users can surf to websites through its hosted IDN or send email using their multilingual email address.

IDN WHOIS

Customizable code that extends your WHOIS server, enabling you to provide an IDN WHOIS service to your registrants and the Internet users at large.

- Written in C
- Multi-Threaded for faster results
- Example interfaces with a simple flat file
- Easily customized to interface with other databases

IME (Input Method Editor)

Java IME that facilitates predictive and fast Text Input and Display in every language.

Easily integrates into your existing website and user interface to deliver the highest possible level of accuracy and speed in the smallest possible footprint.