



Registry idnToolkit

Highlights

Allows a registry to offer native language domain names.

Supports registration acceptance, administration and value-add services for 2nd level internationalized domain names.

Supports current IETF standards.

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

Allows distribution of iClient[™] and iResolve, free internationalized domain name resolution clients, through your channel and to your customers.

Helps reduce the time and continuing cost of deploying native language domain name registry support, with comprehensive documentation, updates, support and services.

Enhance your Offering

i-DNS.net Registry idnToolkit, the premier internationalized domain name (IDN) registry solution, provides a comprehensive solution for ccTLD and gTLD registry operators who wish to offer native language or multi-lingual domain names. The Registry idnToolkit simplifies the complexity of IDN, allowing you to focus on enhancing your revenue streams, enabling your channel 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 registry system with an easy-to-use, documented API.

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[™] and iResolve, the preferred resolution client for IDN users all over the world.

Distinguish Yourself

i-DNS.net has the expertise and know-how in the domain name market. We can provide additional services to distinguish your native language domain name offering within your markets.

Registry 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, 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.

Registry idnToolkit includes the following technology tools:

API (Application Programming Interface)

A set of APIs allows extension of the Registry 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 and verify most major encodings to ASCII-compatible encodings.

Registry BIND

Registry BIND is a name daemon to be deployed as the name server to enable IDN queries. Registry BIND is currently based on ISC BIND 8 and 9.

- 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.

IDN WHOIS

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

- Written in C
- Multi-Threaded for faster results
- Example interfaces provided
- Easily customized to interface with other databases

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. The iClient branding program can be utilized to uniquely brand your offering in your local markets.

Additional Features

The Registry idnToolkit can be enhanced with the following:

IME (Input Method Editor)

A Java IME for fast input and display in any language. The IME easily integrates into your existing website and user interface to deliver the highest possible level of accuracy and speed in the smallest possible footprint.

URL Forwarding

An API allows you to offer a URL forwarding service within the name server, either to a registrant specified ascii URL or ACE-encoded URL.

Services

i-DNS.net has extensive experience implementing IDN capable registries. We can assist in choosing the right deployment options for your local requirements, including how to best serve your local ISPs, registrars and users to enable use of native language domain names in your markets.

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