



# CIRA Anycast DNS

Without the DNS, nothing works.  
Keep it up and running with a  
Global footprint.



## Corporate Network

### Zone File Administrator



### Public Internet

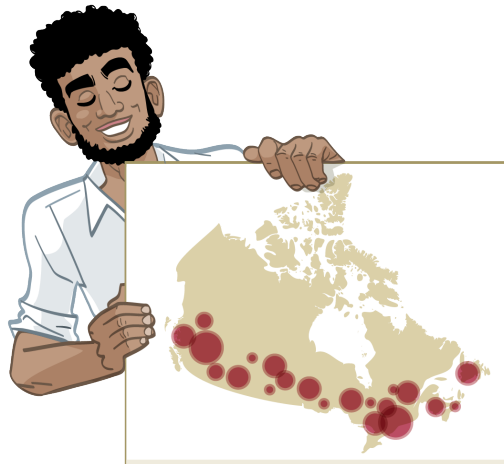


### Primary DNS

### Secondary DNS



### External DNS



**1%** of capacity is needed  
to meet customer demand

**>99%**  
of capacity is there to  
help soak DDoS attacks

## CIRA Anycast DNS - Dependable, Distributed, Defensive and Domestic

Our service is comprised of two clouds spanning 13 locations worldwide with a European node that peers to six additional Internet Exchange Points (IXP).

As a secondary service, organizations are able to add extra performance and redundancy while continuing to manage the primary DNS safe behind a corporate firewall or with the vendor of their choice.

## Disaster Proof

24 Anycast servers peered to over 2,300 networks to provide a 100 per cent up time service level agreement (SLA).

Two transit providers, two hardware and software stacks and separate management network, keep you online versus the worst zero-day scenario.

## Faster

Anycast technology automatically routes DNS queries to the geographically closest nameserver.

Includes six sites across Canada in well-peered IXPs to keep latency low for your important traffic.

## DDoS Resiliency

DDoS attacks that originate off-shore are soaked up by International nodes to keep the problem away.

## Easy to use with three options

- ✓ Provision, monitor and manage via an easy-to-use web management console.
- ✓ Automated provisioning of all new DNS records with CIRA's notify listener
- ✓ Integrate into your existing systems using the REST API.

## Better performance for your best customers and users

CIRA delivers a 102% faster response time than other providers for your Canadian traffic.

## Automate provisioning

Registrars, hosting companies, and organizations that manage a large number of domains can update the CIRA Anycast network instantly with no back-end development effort and no manual processes required.

## Enterprise Support

Monitored 24 hours a day by CIRA's networking and DNS experts.

24x7 technical support.

## DNS Reporting and Alerts

Hourly, daily, and monthly reports by zone let you analyze your DNS traffic.

Monitor zone transfers with automated alerts when there is a problem.

## Secure

- ✓ Support for DNSSEC.
- ✓ Signed zone transfers using TSIG.

## IPv6

Support for IPv6 DNS resolution.

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## Learn more and try!

Visit [cira.ca/cybersecurity-services](https://cira.ca/cybersecurity-services) or contact us to book a demo at [cybersecurity.services@cira.ca](mailto:cybersecurity.services@cira.ca)