Daily Bulletin
July 28, 2022

Statewide Network Migration

The Illinois State Police (ISP) will be migrating to the statewide network and will require changes to your network definitions to reach ISP resources. The changes in the information listed below can be performed now and agencies will continue to operate as intended. This will enable the agencies to seamlessly connect to the same ISP resources after the migration is complete without any interruption or additional changes.   It is advised that agencies make these changes before December 31, 2022.

Summary

The Illinois State Police has begun the migration from the isp.state.il.us domain to the isp.illinois.gov domain/subdomains. In order to connect to the new domain and its subdomains, some network changes may need to be made on the agency's network.

What will change?

- A new domain/subdomain for ISP resources: isp.illinois.gov
- Two new DNS servers for the isp.illinois.gov domain/subdomain
- New subnets to route to the ISP network (if applicable)

What will not change?

- 10.32.122.40 and 10.32.126.40 will continue to serve as the DNS servers for isp.state.il.us
- Entries in isp.illinois.gov will still resolve to existing subnets; ISP is not transitioning to new subnets at this time. Existing subnets include 10.32.122.0/24 and 10.32.126.0/24 (ISP resources), and 10.32.123.0/24 (LEADS 3.0), with some exceptions (please see the note below).

When do I need to make these changes by?

The migration to isp.illinois.gov is ongoing. As ISP resources are upgraded to new versions/platforms, they may transition to a new isp.illinois.gov subdomain at the same time. Agencies are encouraged to make the changes outlined below ahead of time to avoid disruptions to ISP resources.

What do I need to change?

There are several items the agency may need to update, including:

1. **Domain/subdomain**

    The new domain/subdomain for ISP resources is isp.illinois.gov.

2. **Routing (if applicable)**

    New routes may have to be added to send the traffic in to the agency's Cisco 871 router. The subnets are:

10.155.250.53/32	new ISP DoIT DNS server #1
10.225.250.53/32	new ISP DoIT DNS server #2
10.155.72.0/24	subnet for LIMS Prelog and Sexual Assault Evidence Tracking (see note below)

The next hop for these hosts/subnets is the IP address of the on-site ISP Cisco 871 router, which should have an IP address of 10.x.x.1/24 (the agency's LEADS LAN subnet). Traffic destined for 10.32.122.0/24 takes the same path, so the agency may be able to use the 10.32.122.0/24 route as a point of reference.

3. **DNS servers**
   There are two new ISP DoIT DNS servers for isp.illinois.gov: 10.155.250.53 and 10.225.250.53. These DNS servers provide DNS resolution for both isp.illinois.gov and isp.state.il.us. The agency can either:
   a. Add a conditional forwarder to the agency's DNS server for the domain isp.illinois.gov (DNS servers 10.155.250.53 and 10.225.250.53). This would be in addition to having a conditional forwarder for isp.state.il.us (DNS servers 10.32.122.40 and 10.32.126.40).

   OR

   b. Stop using DNS servers 10.32.122.40/10.32.126.40 and start using
      DNS servers 10.155.250.53/10.225.250.53

   Note: if you use the LIMS Prelog or the Sexual Assault Evidence Tracking websites, the new ISP DoIT DNS servers will resolve their domains to internal IP addresses as opposed to external IP addresses. Depending on what IP the machines that access these websites get, traffic may need to either egress out as normal Internet traffic or egress out your ICN/LEADS connection. For reference, the IPs are:

System	Domain	External IP	Internal IP
LIMS Prelog	limspl.isp.illinois.gov	163.191.60.153	10.155.72.110
Sexual Assault Evidence Tracking	laets.isp.illinois.gov	216.124.52.116	10.155.72.116

DNS resolution to external vs internal IPs

As noted above, agencies can resolve isp.illinois.gov subdomains to either their external IP addresses (163.191.228.x, if applicable) or internal IP addresses (10.32.12x.x), depending on what DNS servers you use. ISP recommends resolving isp.illinois.gov subdomains to their internal IP addresses (using DNS servers 10.155.250.53/10.225.250.53). This allows the traffic to traverse the LEADS network and stay on the state's wide area network (ICN), as opposed to coming in across the public Internet.

Access to ISP resources is more broadly allowed for traffic coming in on the LEADS network/ICN. Access from the public Internet is more restrictive, including some resources that can only be accessed via the LEADS network.

Conclusion

You may have already made some of these changes already in preparation for LEADS 3.0. leads.isp.illinois.gov and leadstest.isp.illinois.gov were deployed alongside the LEADS 3.0 rollout back in July 2021. This is simply an extension of additional subdomains in isp.illinois.gov.

We understand that these may be major changes to the agency's network setup. Please feel free to reach out to the ISP Help Desk to open a ticket with the ISP network team to discuss how these changes might fit into the agency's architecture. The ISP Help Desk can be reached at (direct) 217-782-4155, or (toll-free) 1-866-LEADS00 (532-3700).

Readiness testing

ISP has set up a website to test resolving a new isp.illinois.gov subdomain: https://iptest.isp.illinois.gov

Additional domains to verify proper DNS resolution:

System	Domain	External IP	Internal IP
General ISP website	isp.illinois.gov	163.191.228.193	10.32.122.193
IP test website	iptest.isp.illinois.gov	n/a	10.32.122.220
Criminal History Information Response Process	chirp.isp.illinois.gov	163.191.228.28	10.32.122.28
DNAweb	dnaweb.isp.illinois.gov	163.191.228.132	10.32.122.132
LEADS 3.0 (production)	leads.isp.illinois.gov	n/a	10.32.123.10
LEADS 3.0 (test)	leadstest.isp.illinois.gov	n/a	10.32.123.12
LIMS Prelog	limspl.isp.illinois.gov	163.191.60.153	10.155.72.110
Sexual Assault Evidence Tracking	laets.isp.illinois.gov	216.124.52.116	10.155.72.116

The Department of Innovation and Technology (DoIT) at ISP can assist your technical team with these changes by contacting the ISP Help Desk at (217) 782-4155.

Operator's Initials	Date	Operator's Initials	Date	Operator's Initials	Date	Operator's Initials	Date	Operator's Initials	Date