CANARIE IPv6 Training

Free and Flexible!

Is your institution transitioning to IPv6, or planning to? CANARIE's ten training modules are now available to download from CANARIE's twiki.

Log on and learn!

- key IPv6 concepts, only the relevant for regional networks operational purposes
- how to get address space and create an address plan
- how to configure, activate and troubleshoot IPv6 in the core and access networks
- how to configure, activate and troubleshoot IPv6 services such as DNS, email, web and related servers
- how to configure, activate and troubleshoot IPv6 in peering and transit.
- key security considerations
- how to troubleshoot IPv6
- key references for additional reading

Take one — take all ten — customize your IPv6 training!

- Session #1: Rationale, Header, Addressing
- Session #2: Host Configuration, Link-layer interaction
- Session #3: DHCPv6, ICMPv6, DNS
- Session #4: Routing (IGP), Routing (BGP), Route Registries
- Session #5: Transition Mechanisms
- Session #6: Switching (MPLS), Web+Mail Server Configuration
- Session #7: Security
- Session #8: VoIPv6, QoS, Network Management, Multicast
- Session #9: Address allocation policies, Addressing plans, Access networks deployments
- Session #10: Campus deployment, Procurement/RFP Requirements, Q&A

Access is easy!

To access the training sessions, go to twiki.canarie.ca/twiki/bin/view/TWiki/TWikiRegistration and complete the registration form. **Please specify IPv6 Training in the "comments" section.** CANARIE's TwikiMaster will need to authenticate your request prior to granting you access.

IPv6 is coming ... CANARIE's helping you prepare.

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About the Trainer:

Marc Blanchet is President of Viagénie, a consulting and R&D firm in advanced IP networking engineering, with focus on IPv6, VoIP and space networking. Viagenie helps service providers, large enterprises, governments, manufacturers and space agencies, worldwide, in IP engineering.

For 15 years, he has been heavily involved in IPv6, as CTO of Hexago, author of IETF documents (RFC 3531, 5156, 5572), architect and co-implementor of the freenet6, the Tunnel Setup Protocol, project lead of the DNS64/NAT64 Viagénie implementation and other IPv6 initiatives. Marc co-founded the IPv6Forum and has been Vice-Chair of the Canadian ISACC IPv6 Task Group.

Marc has been also deeply involved in internationalization of the Internet, as co-chair of the internationalized domain names (idn), vcarddav, precis and iri IETF working groups and co-author of internationaliz ation protocols (RFC3454, RFC3491) in DNS.

He is also involved in space networking, by co-chairing the CCSDS SANA working group and is the architect of the SANA registry for space protocols.

He authored "***Migrating to IPv6,***" published by Wiley, and co-authored the Cisco IPv6 course. He co-ported Asterisk to IPv6. Marc receives a master's degree in electrical engineering from Laval University.

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