

2021 DIRECTOR NOMINATION APPLICATION OF CHRISTOPHER MURRAY

- 1. Explain from your perspective what VANIX does and why it matters.**

VANIX is a local Internet exchange. As such, it's an important part of the local infrastructure and plays a critical part in Canada's Internet. Prior to VANIX, most of the traffic that it handles was passed in Seattle. Internet exchanges like VANIX represent an opportunity for equal access to interconnection for entities of all sizes.

- 2. Please describe your understanding of the role of a Director on the VANIX Board.**

As a long serving director of VANIX, the board provides oversight and management of the not-for-profit.

- 3. Why do you want to be on VANIX's Board of Directors? In responding, please indicate the specific skills and experience you have that makes you a qualified candidate.**

I want to represent the large networks that connect to multiple Internet exchanges around the world. As for specific skills, I'm currently a Principal Engineer at Cisco Systems, working in the Cloud Security organization (formerly OpenDNS), where I oversee the network architecture and strategic expansion of Cloud Security's global network [footprint](https://www.cisco.com/go/footprint). To date, we participate in over 35+ Internet exchanges world wide.

- 4. What do you think are the top 3 challenges and opportunities facing VANIX in the next 3 to 5 years? What approach would you take to addressing these issues?**

- Growth of the IX participants and traffic. This can be solved through creative solutions with participants, and with outreach and advocacy. As the participants grow, VANIX can look to lower costs which in turn should increase the value that participants see from their traffic over the IX.
- Lack of diversity of carrier-neutral colocation providers presents a challenge and an opportunity to VANIX as new players enter the market. Reaching out to other colocation providers, and working with local government to help reach emerging Internet providers in small communities can help solve diversity and increase traffic on the IX.

c. Streamlining the operations of the organization: Making it as easy as possible to get connected. Right now, getting connected in some locations requires a lot of pre-sales and post-sales support, VANIX needs to continue with the work done to streamline and standardize connections in some of the less organized spaces where we have equipment.

5. **If elected as a Director, can you make the required time commitment to contribute significantly to VANIX in accordance with what is generally expected of Directors?**

Yes

6. **If elected as a Director, are you prepared to abide by the VANIX Articles of Incorporation, By-laws, Board Resolutions and Policies, as amended from-time-to-time?**

Yes

7. **Do you agree to abide by the VANIX process for candidate nominations for the election of Directors that has been described to you?**

Yes