Need for Encryption in today's New Normal Internet Community

Introduction

Internet is the Key to Success for any individuals irrespective of the technical knowledge. But that leads to critical security threats and vulnerabilities which we had visioned in the recent virtual business transactions. With the onset of COVID-19 pandemic induced lockdown and the subsequent work from home culture, a majority of stakeholders is leveraging digital platforms to work remotely with their PDAs through Internet from home. Going by the reports of reputable Data Security organizations, the Cyber security incidents are also skyrocketing. This is in part due to the employees' lack of awareness about End-to-End Encryption techniques that may creep into their personal devices and security practices that must be followed by them.

Objective

The Lion’s share of such users had to suddenly shift to digital means which left both the employees and the company's security teams thoroughly unprepared for the newly stipulated compliance requirements of the now largely online business process transactions.

Few organizations not part of IT sector could not compete with this sudden shift from in-person mode to virtual presence mode leveraging the encryption standards in their deployments. They can be easy targets for a wide array of cyber-attacks such as emotionally toxic cyber bullying, man-in-the-middle attacks, phishing attacks, pharming attacks, social engineering etc.

How to promote Encryption standards to all the Stakeholders?

- To initiate the best practices and policies to be followed that could preserve the organizational privacy and safeguard the sensitive data from being targeted by malicious threat actors.
- **Highlights of the event:**
  - Privacy concerns and the need for end-to-end encryption while working from home.
  - Deploying encryption compatible devices or services to prevent snooping attacks
  - Necessity of practicing data encryption and backing up of critical data against ransomware attacks
  - Legal frameworks and privacy aspects which make encryption mandate for all Advocacy groups.
  - Creating awareness for providing strong authentication namely Multi-factor Authentication and generating random strong passwords
  - Identifying phishing mails, malicious websites, social engineering attacks by the secular community
  - Emphasizing the importance of using end-to-end encryption communication services
Know more about Encryption:

- Take the Internet Society’s free online Encryption training course.
- Join the Friends of the Global Encryption Coalition to keep up to date with the latest encryption news around the world.
- Join your local Internet Society Chapter to advocate for encryption in your country or region.