

# Course Overview

## Encryption for Governments



Experience has shown that even the most security-conscious government systems are vulnerable to hacking and data leaks. As the single biggest data holder in any country, governments around the world continue to be a prime target of attack, both at home and abroad, leading to some of the biggest data breaches that have exposed millions of voter registration records, citizens' digital identities databases, and even heavily guarded state secrets. In the aftermath, governments have had to deal with massive financial costs, loss of reputation, and loss of public trust, along with other irreparable consequences, all of which could curtail a country's digital adoption.

Cybersecurity risks for governments are rising sharply alongside the increase in overall online threats. At the same time, the ongoing global pandemic has made robust cybersecurity even more of an urgent need as governments race to move services, interactions and transactions online.

Encryption is the strongest tool available for governments to protect their data, operations, and digital services. Yet-many governments fail to utilize encryption to its fullest extent. Many websites continue to use outdated Internet protocols, data remains inadequately encrypted while stored, and communications are still being sent via less secure methods.

In this training, the Internet Society will introduce governments to the concept of encryption and how it works. We will look at different use cases from around the world to demonstrate how encryption could help better secure their government's data, operations, and digital services.

In this course we'll go over the following:

### Part I

- Introduction to Encryption
- Encryption as a system
- Encryption as the foundation for a strong economy



## Part II

- How governments are using encryption
- Discussion: How Encryption can help protect your government
- How your government can start using encryption

### Expected duration:

2 - 4 hours

### Who this course is for:

- Government officials who want to secure their data and interactions online
- Public servants who want to brush up on Internet safety and security concepts and practices
- Government officials involved in developing security-related public policies
- [Non-technical] staff involved in developing security systems for governments

\*Note: This course does not require any prior knowledge of or background on encryption technologies

### By the end of this course, you will:

1. Have a good grasp of the services, information and processes that you can secure using Encryption
2. Know more about tools, techniques and best practices you can use to secure your information and interactions online
3. Understand how governments around the world secure government data and systems using Encryption