



BtCIRT 2025: Operational Highlights and the Road Ahead

Prepared by BtCIRT
for
BTNOG 12/SANOG 43

Bhutan Computer Incident Response Team

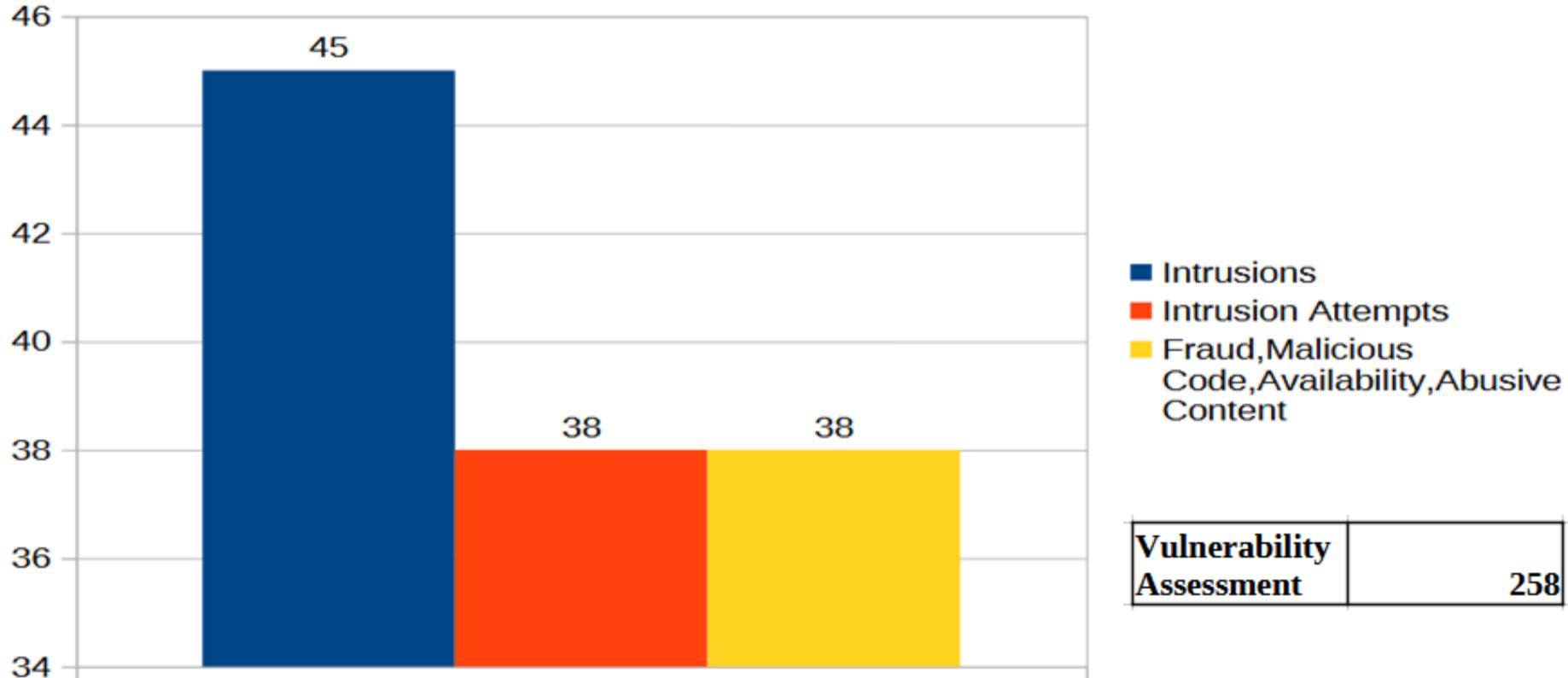
Get to Know Us

- Operationalized since 22nd April 2016
- Visit our Site: <https://www.btcirt.bt/>
- Contact us @ +975-02-338606
- Email for general inquiries here:
info@btcirt.bt
- Report security incidents here:
cirt@btcirt.bt
- Visit our Facebook Page: [Bhutan CIRT](#)

What We Do

- Incident Handling and Analysis
- Cybersecurity Awareness
- Security Assessment and Monitoring
- Cybersecurity Policy and Strategy
- International Cooperation

Incident Records(July 2024-June 2025)



1. Abuse Content

- **Incident-**Request for assistance in removing inappropriate content from social media platforms
- **Solution:**
 - **TikTok:** Clients are advised to report the content directly using TikTok's official in-app reporting system.
 - **Facebook:** In cases involving Facebook, our team engages directly with the platform's support team to facilitate the takedown process.
 - For the individual content takedown we guide the clients how to report by themselves to the meta.
- **Challenges:**
 - Social media platforms are based outside our jurisdiction, and response times are often slow.
 - Some platforms do not respond at all, making it difficult to escalate or resolve the issue promptly.
 - Unless the content clearly violates community guidelines, takedown requests are not accepted, regardless of local impact or context.

2. Fraud

- **Incident:** Phishing
- **Solution:**
 - Forced password reset for potentially affected users.
 - Block the phishing domain and URL at the firewall.
 - Request to enable Multi-Factor Authentication (MFA) for all users.
 - Report to domain owner/hosting provider, RIR(Regional Internet Registries)
- **Challenges:** Lack of user awareness, sites mostly hosted outside bhutan.

3. Intrusion Attempts:

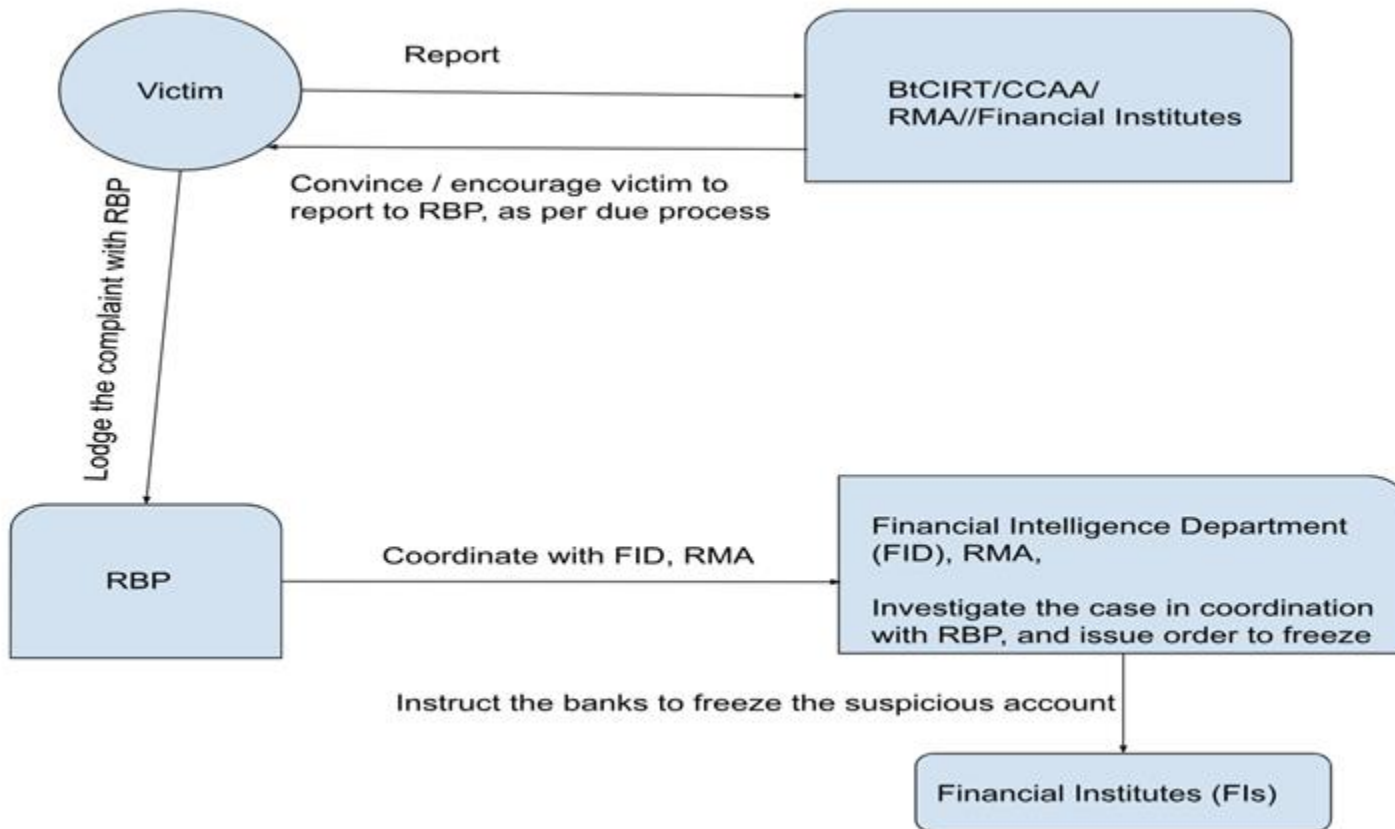
- **Incident:** SQL Injection
- **Solution:**
 - Input Validation and Sanitization
 - Patch Management
 - Web Application Firewall

4. Intrusion:

- **Incident:** Suspected Compromised IP(exploitation of Cisco IOS XE software)
- **Solution:**
 - Isolate the system from the network to prevent further unauthorized access.
 - Verify whether the device is running Cisco IOS XE software.
 - Conduct a thorough inspection of the device for any suspicious web-based implants or unauthorized modifications.
 - Apply the latest security patches for Cisco IOS XE to mitigate known vulnerabilities.
 - Remove any detected implants or suspicious files and restore the device to a secure configuration.
 - Disable the HTTP server feature on any Internet-facing Cisco IOS XE devices to reduce the risk of web-based exploitation.
 - Review network traffic logs for any unusual activity related to this system.

How BTCIRT helps

SCAM / ONLINE FRAUDS REPORTING PROCEDURE



1. Malware

Type	Unique IP
Suspected Compromised	3050
Potential Threats	13

2. Public Exposure

Type	Unique IP
Open Service	4880
ddos Potential	1860
exposed service	1290
weak encryption	316

Recommendation

1. Patch HTTP/HTTPS on Cisco IOS XE Devices
2. Disable the Use of Weak Protocols (e.g., Telnet)
3. Avoid exposing SSH services globally to the internet
4. Do Not Keep Service Ports Publicly Accessible (eg., HTTP, HTTPs, SSH, SNMP, VPN)
5. Secure Web Applications
6. Clean and Harden the Network
7. Perform Regular Backups
8. Basically follow Due-diligence

Projects in Progress

National Cybersecurity Strategy - Implementation ([National Cybersecurity strategy](#))



Projects in Progress

Goal 1: Enhanced cybersecurity Governance

- Institutional Framework Roles and responsibilities of operational level - final draft completed
- National Cybersecurity Risk Assessment - final draft completed.

Goal 2: Cybersecurity legislation framework

- *Information Communication & Media Act 2018* gap analysis with regards to cybersecurity - completed
- Drafted *Critical Information Infrastructure Protection Regulation* of Bhutan

Projects in Progress

Goal 3: Protection of Critical Information Infrastructure

- CII Identification Methodology - endorsed
- List of CII-Final draft and in progress for approval

Goal 4: Robust Incident Handling

- Formation of Governmental Security Operations Center (GSOC) - upcoming
- National Cybersecurity Risk Assessment, threat landscape report - upcoming

Cybersecurity Events in 2024



Cybersecurity month 2024



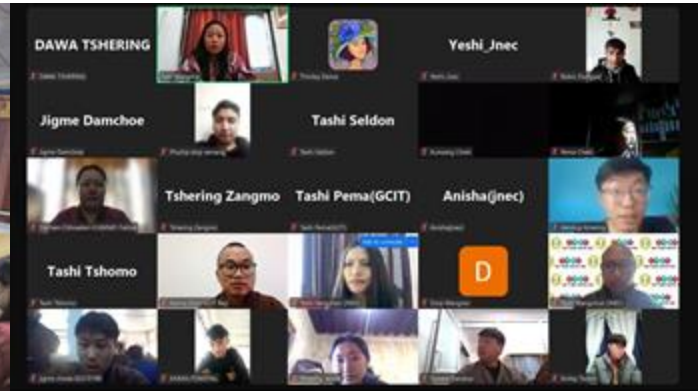
Security Workshop



Desups training on pubic cyber awareness



Cyber Hygiene Training



Virtual Capture the flag Challenge in Colleges

Thank You