

# Playbook for Cat & Box Scenario

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## **The Scenario**

We are hired as a specialist for the Box company, a small manufacturing organization that specializes in creating boxes for varying sizes of cats. Mr. Percy F. has hired a SOC and consultant to manage the company's network, systems, data, and security. Mr. Percy also requested that certain individuals be notified when and if any potential impacts occur and have there be transparent communication.

## **The SOP**

### Purpose:

The purpose of this SOP is to ensure the security of assets and information for the cardboard box manufacturing company.

### Scope:

The scope of the SOP includes all assets, networks, and systems used by the company.

The assets used are laptops, desktops, printers, and scanners.

The networks used are web servers, data base servers, file servers, and email servers.

### Roles and Responsibilities:

The key individuals are:

- Mr. Percy (CEO) needs to be informed about anything impacting his business.
- Cat (consultant) in charge of overseeing security needs.
- SOC (contractors) responsible for monitoring network, systems, and data.
- Miss Misha (production manager) informed about all highlights and potential impacts caused by breach of systems.

### Security Policies:

- Document all relevant cybersecurity policies, including password policies, data encryption policies, access control policies, and acceptable use policies.
- Ensure that all employees are aware of and comply with these policies.

### Network Security:

- Implement measures for securing the Box's network infrastructure, by applying firewalls, intrusion detection/prevention systems, and secure Wi-Fi networks.

### Data Protection:

- Fail over and redundancy procedures for data backup and recovery to prevent data loss in case of cyberattacks or system failures.

### Employee Training and Awareness:

- Implementing cybersecurity training programs for all employees in order to raise awareness of potential threats mainly phishing attacks, and some of the best practices for data protection.
- Conducting regular security awareness campaigns insure employees are informed about the latest cybersecurity trends and threats.

### Documentation and Reporting:

- Maintain detailed documentation of all cybersecurity measures, incidents, and response activities.
- Establishing protocols for reporting cybersecurity incidents to relevant authorities and stakeholders.

### Continuous Improvement:

- Regularly review and update the SOP to reflect evolving cybersecurity threats and technologies.

## **The Playbook**

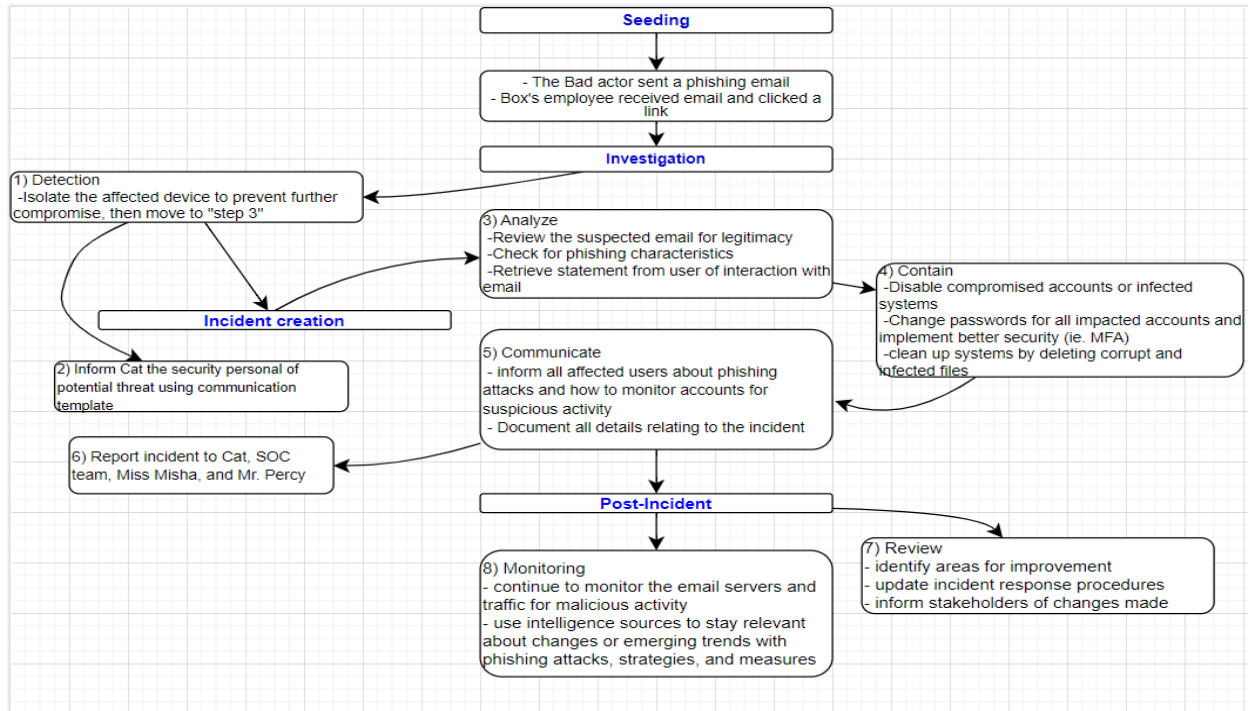
While there are many threats faced by any organization, we will be focusing on a simple yet a rudimentary threat, the phishing attacks. Before getting into the playbook and the flow chart, what is a phishing attack.

A phishing attack is a type of cyber attack where an attacker attempts to deceive individuals into revealing sensitive information such as login credentials, credit card numbers, or other personal information. This is typically done through fraudulent emails, messages, or websites that appear to be from legitimate sources. Phishing attacks often use social engineering techniques to manipulate and trick users into taking actions that benefit the attacker, such as clicking on malicious links, downloading malware-infected files, or providing confidential information.

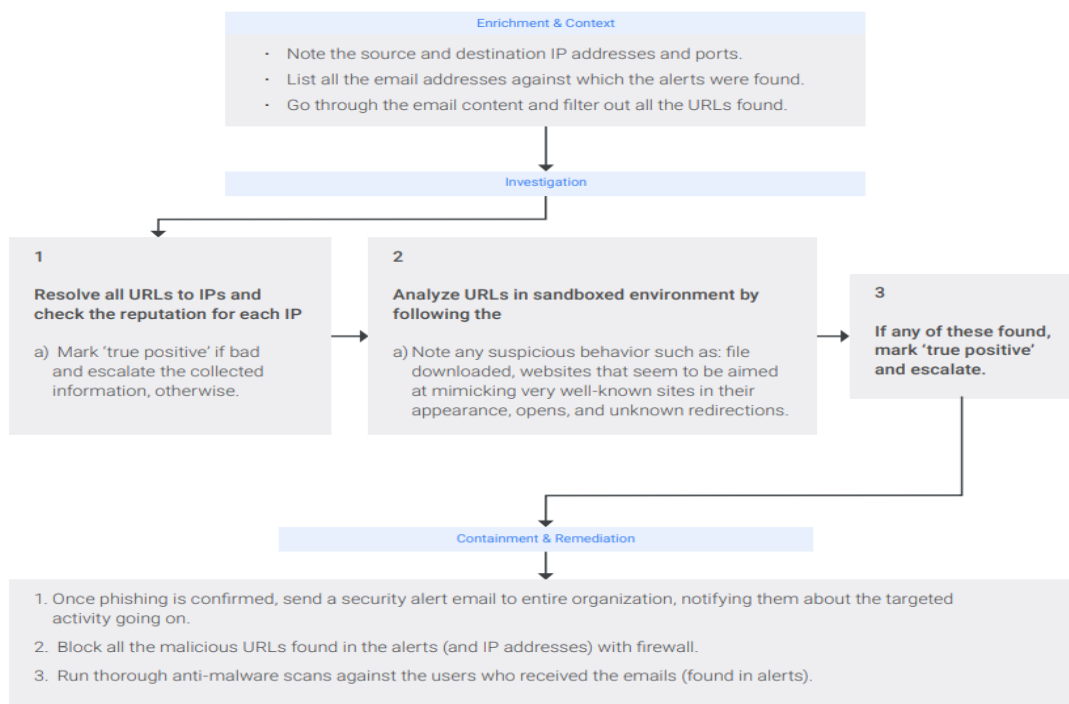
The following are some characteristics of phishing attacks:

- Spoofed emails
- Urgency or use of fear tactics
- Fake links

Now let us look at the flow for responding to a phishing attack as shown below.



Furthermore, we can also refer to the pre-defined playbook on phishing attacks by following Google's flow as shown below:



## The Communication

The below are the two separate emails to be sent one mainly to Cat at step 2 of the playbook flow to inform her about the potential threat, and the second email to to all stakeholders to update them about the changes made to the flow or the completion of the incident.

The template are as follows:

---

To: mesha@box.cat, cat@soc.cat , SOC

CC: percy@box.cat

From: fromusemail@address.com

Subject: CS Incident Notification \*\*\*Alert\*\*\* completion

Hi All,

This is a notice on an incident creating.

As per our protocol, detailed information regarding the incident will be shared with all shareholders. Rest assured, we have taken all necessary steps to mitigate any potential risks and ensure the security of your systems and data.

You can view the documentation by either using the internal ticketing system referencing (incident#

or

clicking this link: [http://documentedIncident\\_report.pdf](http://documentedIncident_report.pdf)

We will provide regular updates as our investigation progresses. Please do not hesitate to contact us if you have any questions or require additional information.

Regards,

Fahad Shahzad  
Playbook specialist

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To: cat@soc.cat

CC: percy@box.cat, mesha@box.cat

From: fromusemail@address.com

Subject: CS \*\*\*Potential\*\*\* Incident Alert

Hi Cat,

We have detected a suspected cybersecurity incident within Box Manufacturing's network and require your immediate assistance in analyzing and remedying the situation.

Please find attached detailed information regarding the incident for your review (insert incident#). Your expertise and guidance are crucial in resolving this matter efficiently and effectively.

Thank you for your prompt attention to this matter.

Thank you,

Fahad Shahzad

Playbook specialist

## The References

Security, C. C. F. C. (2022, January 13). *Ransomware playbook (ITSM.00.099)* - Canadian Centre for Cyber Security. Canadian Centre for Cyber Security.

<https://www.cyber.gc.ca/en/guidance/ransomware-playbook-itsm00099>

Chronicle. (2022). *Top Security Playbooks* (Third Edition) [Whitepaper].

[https://learningimages.lighthouselabs.ca/Cyber+BC/Cyber+BC+C4/Top\\_Security\\_Playbooks\\_2022.pdf](https://learningimages.lighthouselabs.ca/Cyber+BC/Cyber+BC+C4/Top_Security_Playbooks_2022.pdf)

*What is phishing? - definition, types of attacks & more* / ProofPoint US. (2024, May 9).

Proofpoint. <https://www.proofpoint.com/us/threat-reference/phishing>