
# A quick look at Incident response

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Agenda

1. What is Incident response?
2. What are the steps to respond to an incident?
3. What do I do after an incident?

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## What is Incident Response?

Incident Response (IR) is an **systematic** approach to addressing and managing the **consequences** of a security breach or attack.

The objective is to handle the situation in a manner that limits **damage** and reduces **recovery** time and costs.

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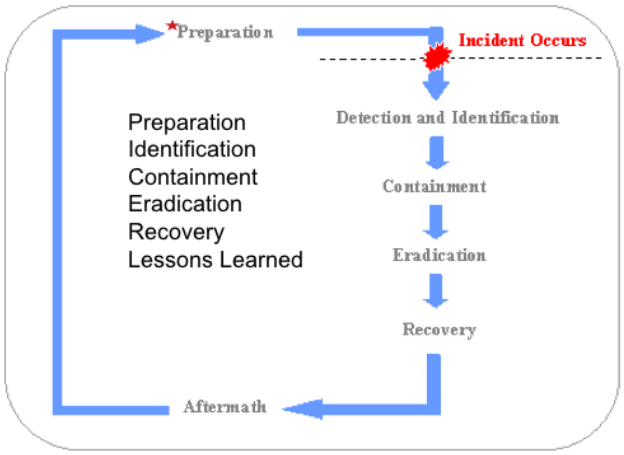
## What are the steps to respond to an incident?

According to the SANS Institute, there are six steps to handling an incident most effectively



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Preparation

The organization **educates** users and IT staff of the importance of updated security measures and **trains** them to respond to computer and network security events quickly and correctly.

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Identification

The response team is initiated to **confirm** whether a particular event is, in fact, a security **incident**.



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## Containment

The team determines how far the problem has spread (**Scope**) and provides a plan to stop the propagation (**containment**).



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Eradication

The team investigates to discover the origin of the incident (**catalyst event**). The **root cause** of the problem and all traces of malicious code are **removed**.



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Recovery

Data and software are restored from **clean** backup files. Steps are taken to ensure vulnerabilities are lessened (**hardening**). Systems are monitored for any sign of **weakness** or **recurrence**.



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Lessons learned

The team **analyzes** the incident and how it was handled, making **recommendations** for better future response and for **preventing** a **recurrence**.



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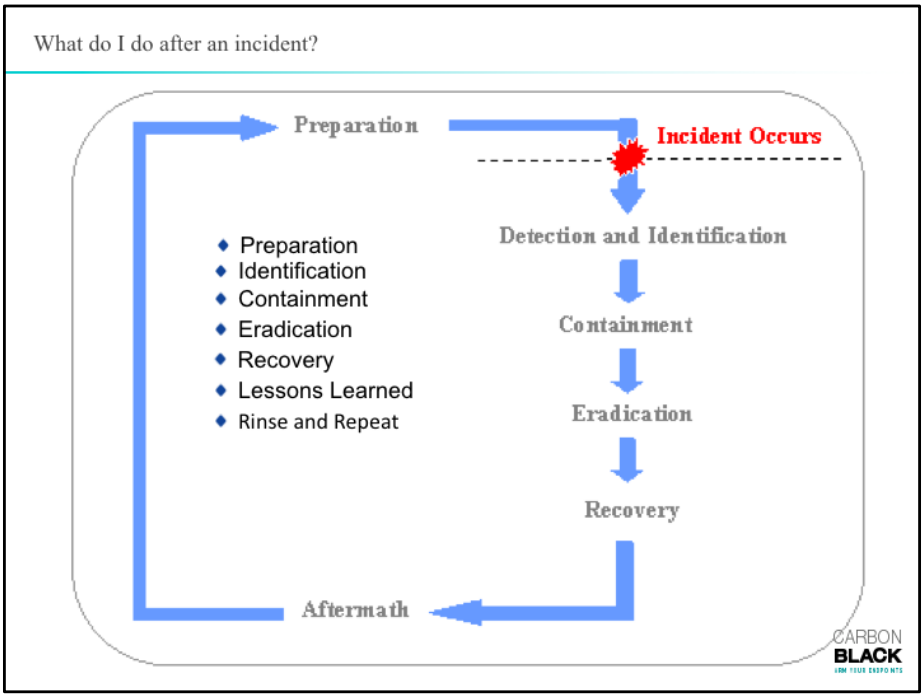
What do I do after an incident?
Preparation
Incident Occurs
Detection and Identification
Containment
Eradication
Recovery
Aftermath
Preparation
Identification
Containment
Eradication
Recovery
Lessons Learned
Rinse and Repeat
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references

- http://www.sans.org/reading-room/whitepapers/incident/incident-handling-process-small-medium-businesses-1791?show=incident-handling-process-small-medium-businesses-1791&cat=incident
- http://www.infosec.gov.hk/english/images/sihc_en.gif

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