

## Recovery Time Objective (RTO)



- **RTO** is the maximum tolerable length of time that a computer, system, network, or application can be down after a failure or disaster



- It defines the extent to which an interruption affects normal business operations and the amount of **revenue lost** due to such **interruption**



- It is preferably given in minutes. For **example**, an RTO of 45 minutes implies that **IT operations** must be **restarted** within 45 minutes



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## Recovery Point Objective (RPO)



- **RPO** is the maximum time frame an organization is willing to lose data for, in the event of a **major IT outage**



- It provides a **target** for designing **disaster recovery** and **business continuity solutions**



- Every organization needs to calculate how long it can operate without its required data before business suffers



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## Business Continuity Plan (BCP)



- A BCP is a comprehensive document that is formulated to **ensure resilience against potential threats** and allow the operations to continue under adverse or abnormal conditions

### BCP Goals

- Analyzing the potential risks and losses
- Enabling the risk management process to lessen the prospect of a disruption to the worst-case scenario of shutting down the business completely
- Prioritizing the safety, health, and welfare of the organization and its staff
- Minimizing infrastructural damage in the event of a disaster
- Recuperating to normal operating conditions after a disruption
- Maintaining vital documents and details, such as telephone numbers, employee details, vendor details, and client details
- Providing training and awareness to staff on their roles and responsibilities, to keep them better prepared

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## Disaster Recovery Plan (DRP)



- A DRP is developed for specific departments within an organization to allow them to **recover from a disaster**

### DRP Goals

- Reduce overall organizational risk
- Alleviate senior management concerns
- Ensure compliance with regulations
- Ensure rapid response to incidents



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