

## EDP Auditing

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## What is EDP Auditing?

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EDP auditing is the process of collecting and evaluating evidence to determine whether a computer system safeguards assets, maintains data integrity, achieves organizational goals effectively, and consumes resources efficiently. [Weber, 1989, p. 8-9].

## EDP auditing

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It supports the attainment of traditional audit objectives:

- ▶ attest objectives (those of the external auditor) that have asset safeguarding and data integrity as their focus
- ▶ management objectives (those of the internal auditor) that encompass not only attest objectives but also effectiveness and efficiency objectives

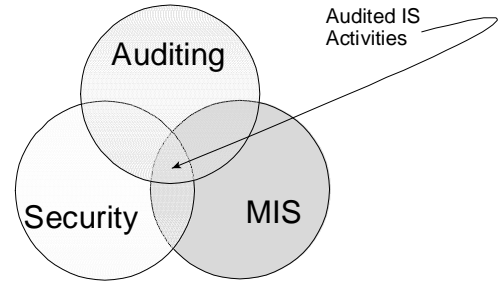
It is a force that helps organizations to better attain these objectives

# What is the relationship between EDP Auditing and IS Security?

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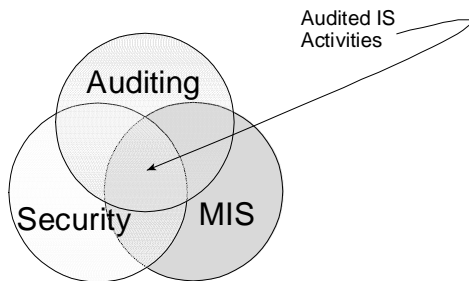
## The Changing Intersection of IS Security and EDP Auditing

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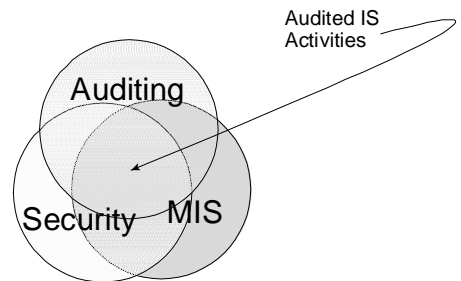
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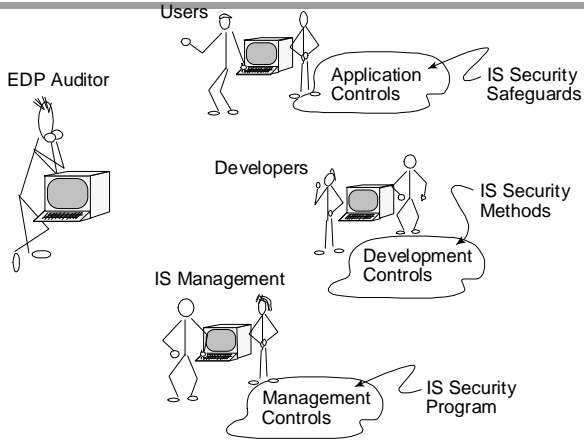


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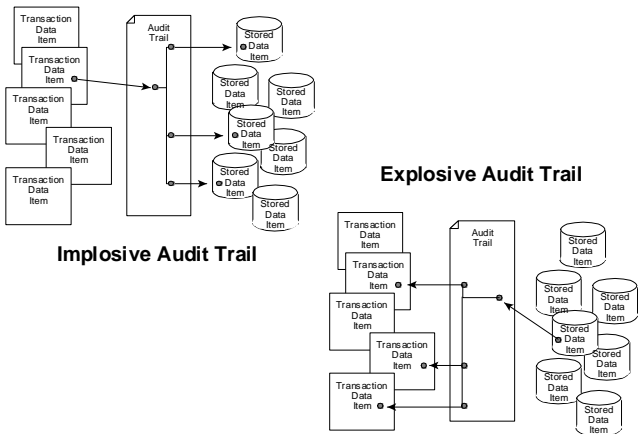


## EDP Auditing Communities, Controls & Related IS Security Issues

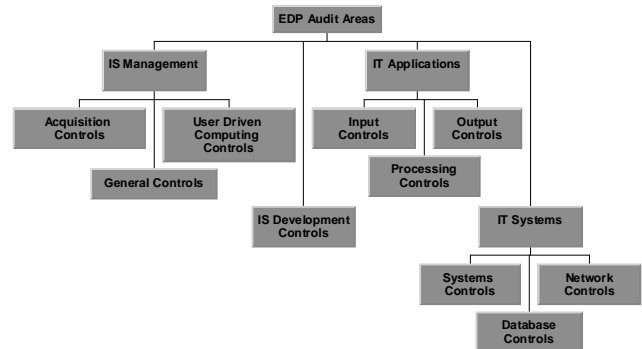


**What is the distinction between an “implosive” and an “explosive” audit trail?**

## The Audit Trail Concept

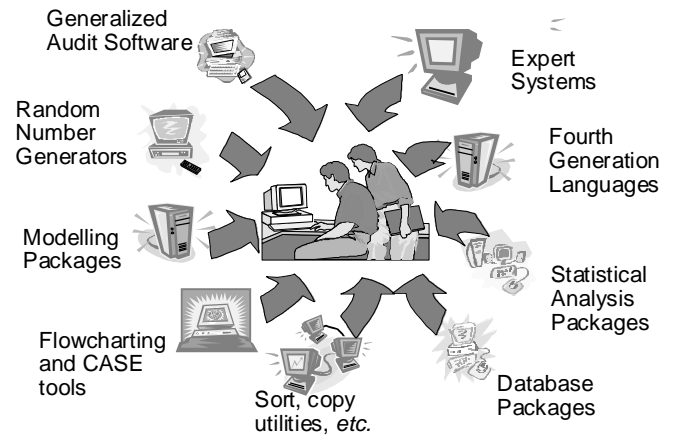


## EDP Auditing Framework



## What special IT tools do auditors require?

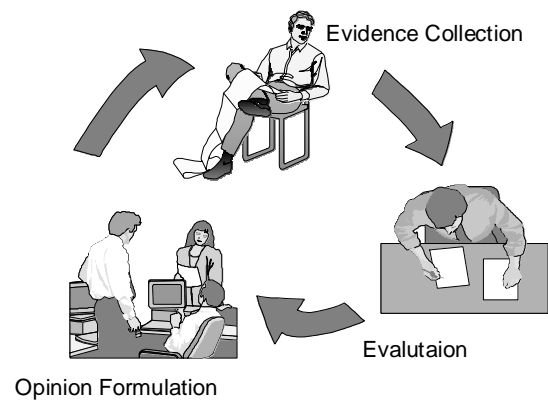
### Computer Auditing Tools



### EDP Audit Techniques

Technique	Audit Target		Data Usage		Software Usage	
	Data	Software	Production	Test	Production	Audit
Interrogation	!		!			!
Embedded audit	!	!	!		!	!
Parallel simulation		!	!			!
Test data		!		!	!	!
Program comparison		!			!	
Code analysis		!			!	

### EDP Audit Process



## **EDP Auditing Steps**

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### **P Initial review**

- a preliminary investigation by the EDP auditors to determine how the audit should be conducted.

### **P Controls review**

- detailed controls are appraised in both their necessity and their presence.

### **P Compliance testing**

- determining whether the controls actually exist and function as specified in the documentation

### **P Substantive testing**

- determining whether the system data actually represent reality