



Security Policies
Confidentiality Policies

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Intro to System Security

Goals

Prevention

Detection

Recovery

C-I-A

Confidentiality

Integrity

Availability

Threats

Snooping

Modification

Spoofing

Repudiation of Origin

Denial of Receipt

Delay

Security Policies

Requirements

- Common understanding (implicit / explicit)
- Trust (in people and computers)
- Assumption (that policies are enforced)

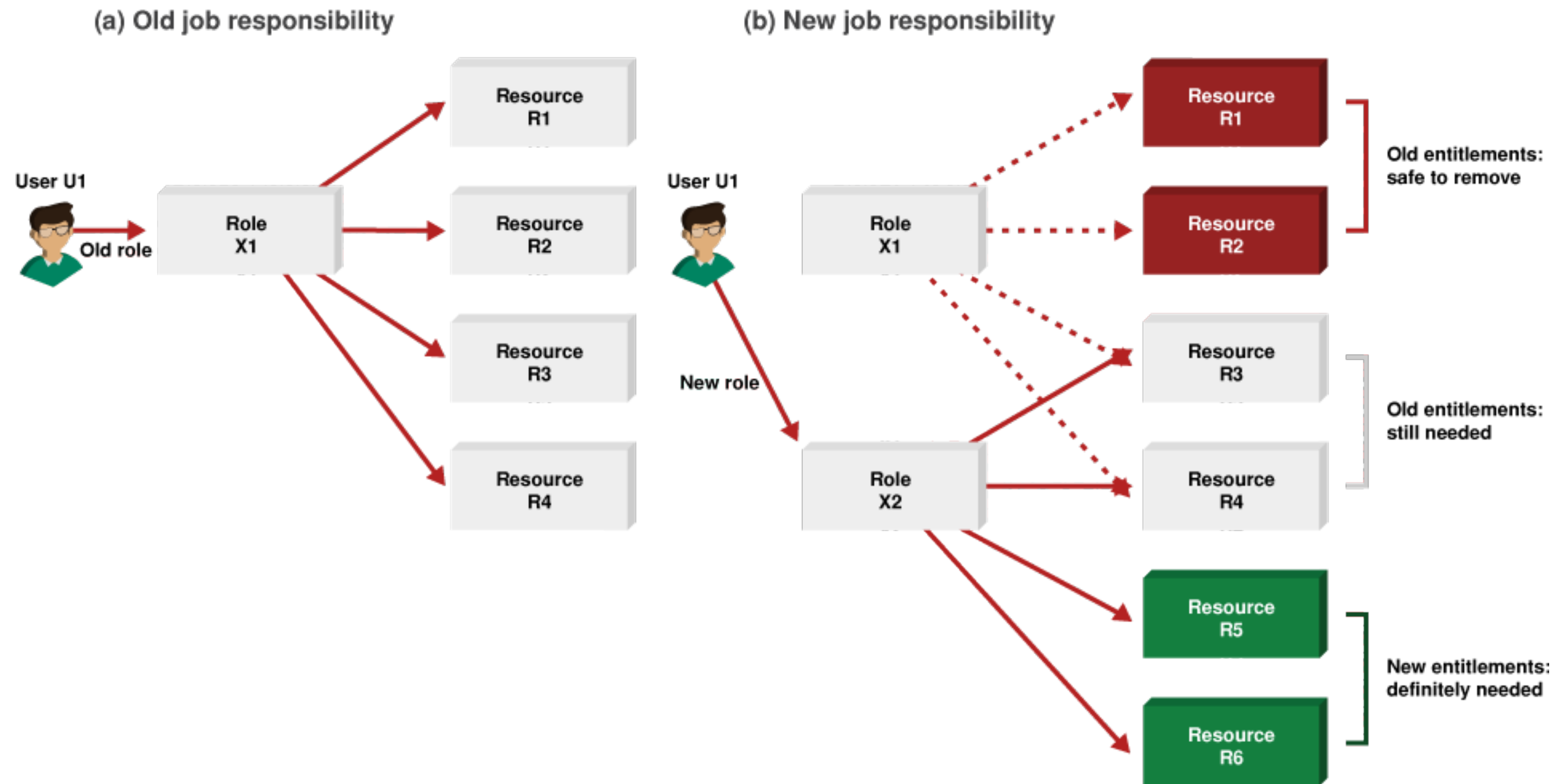
Policy types

- Confidentiality
- Integrity Policy
- Availability Policy

Confidentiality Policies

- Discretionary Access Control (DAC)
- Mandatory Access Control (MAC)
- Role-Based Access Control (RBAC)
- Bell-LaPadula

Role-Based Access Control (RBAC)



Confidentiality Policies - Bell-LaPadula

- Policy to secure classification of documents (data)

*"Read down; no read up.
Write up; no write down."*

