



# Large-scale systems: from information protection to information security management

Ilya Trifalenzov

Director for technologies and  
solutions



## IT TODAY: SECURITY POINT OF VIEW

IT is part of main activity for any fields

IT is distributed structure even business localized

Virtual part of IT more essential, than physical

IT evolution is very intensive

Increasing of size and complexity of IT elements



# ESSENTIAL SECURITY ISSUES

**Complexity**

**Permanent  
Changes**



**MISSION  
CRITICAL**



# What mean “changes”?

Zoom: information,  
offices, workplaces

Optimization: changes in  
architecture & solutions

Modification: new services,  
applications etc.







# What “changes “ means for security?

Zoom: only scaling problem

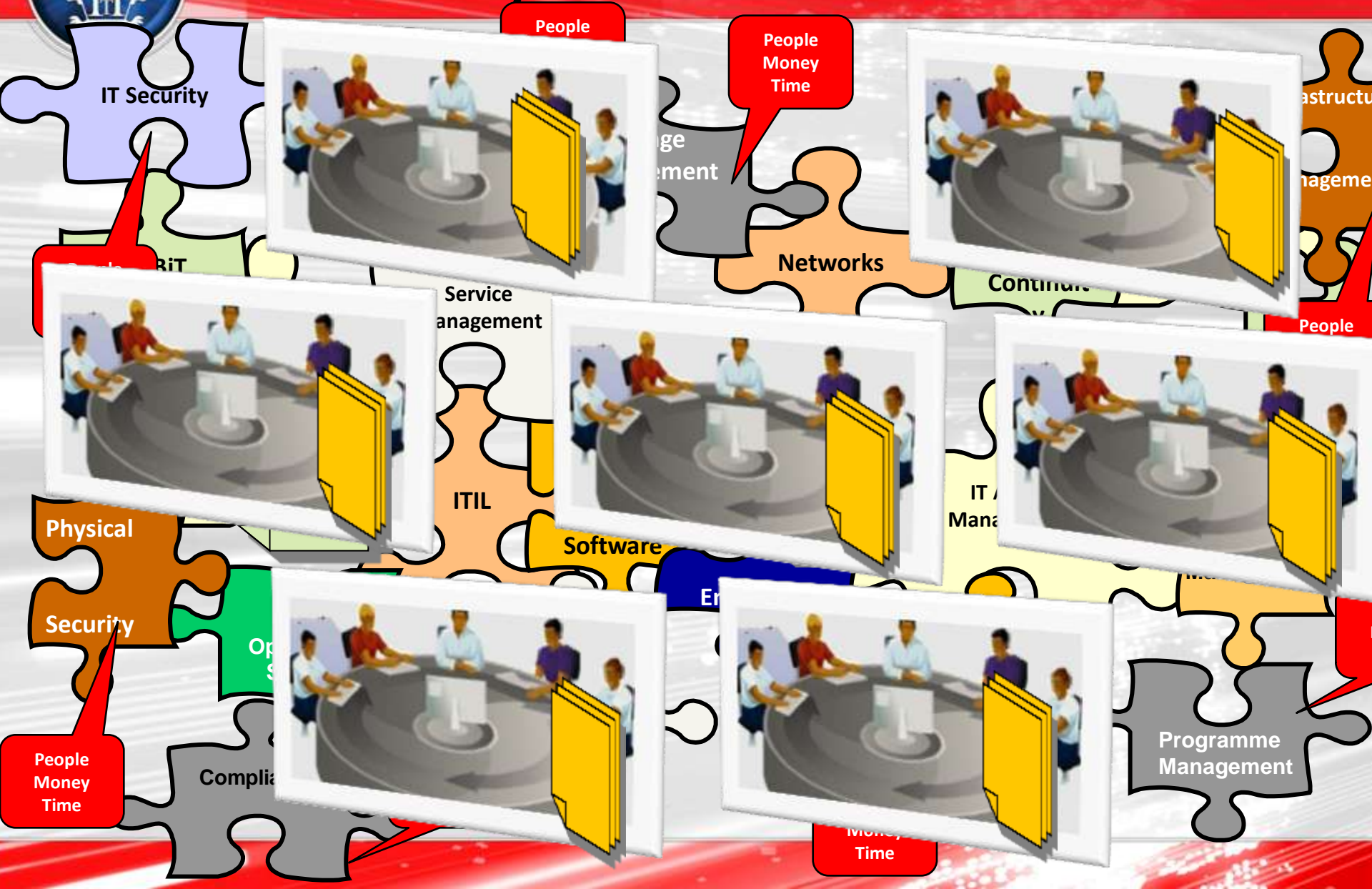
Optimization: changes in security mechanisms

Modification: need new risk analysis





# Today's Business Initiatives





# Classical security – insoluble problems

Is this  
solution  
effective ?

- From risks point
- From price point

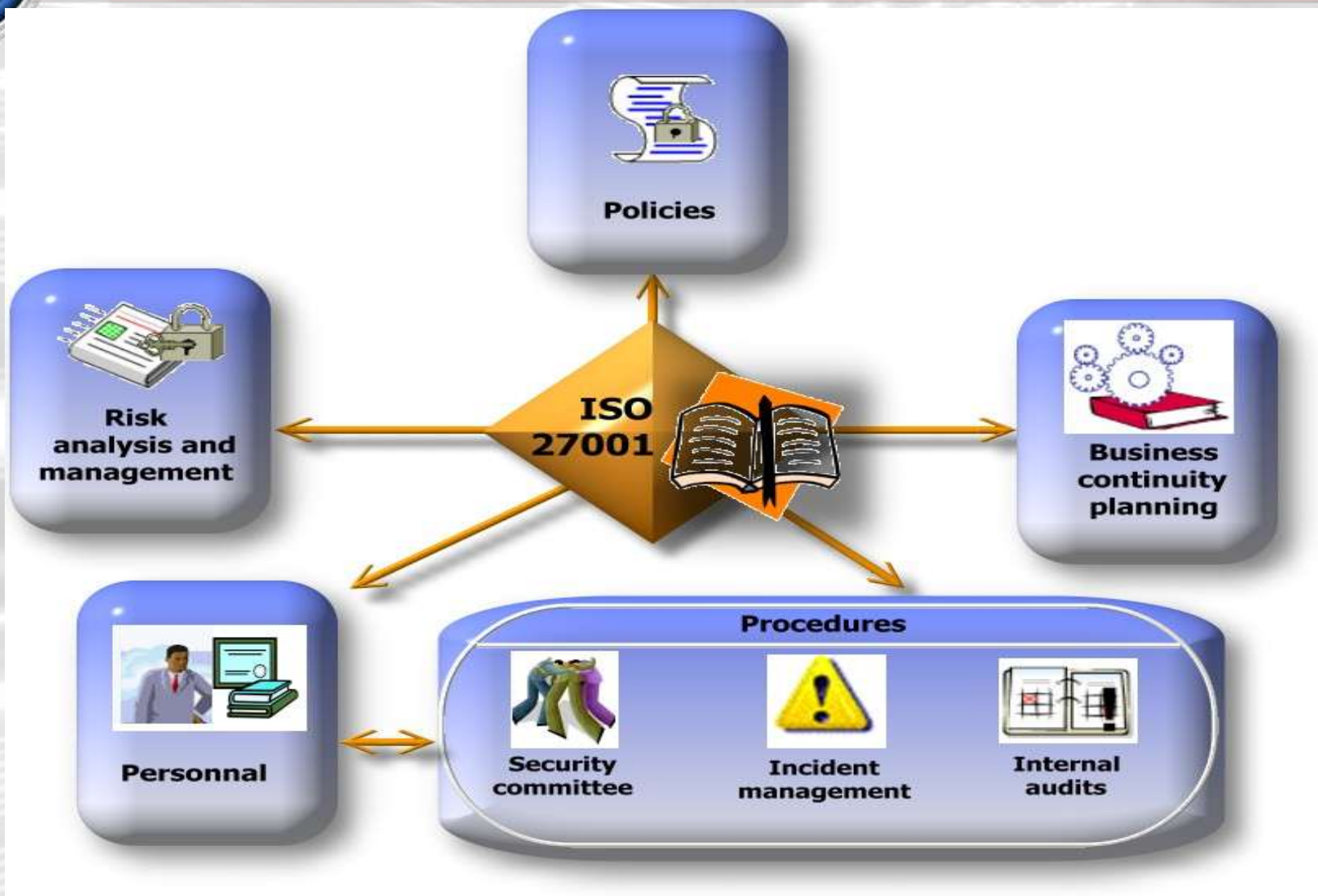
Is this  
solution  
completed ?

- Is unknown gaps ?
- Are security mechanisms not exceed ?





# Solution - information security management







## ISMS – need specific security mechanisms

Involved into business process

Minimized clear risks set

Policy based

Interact with traditional security

Provide complains with regulations



# Universal security mechanisms

## Universal mechanisms

- Security event management
- Security information management
- Compliance management

## Business-oriented mechanisms

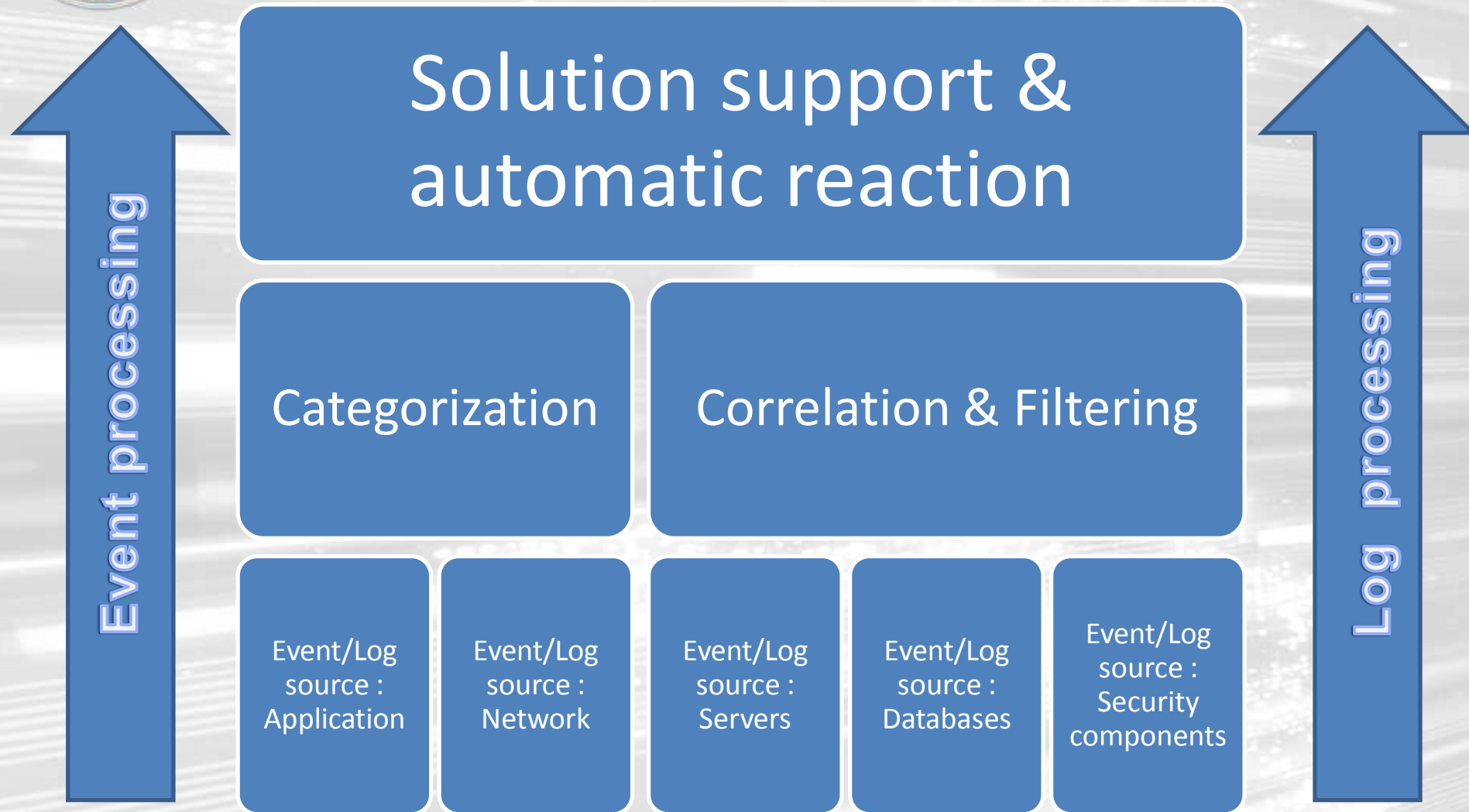
- Data Leakage Prevention
- Intellectual rights management
- Identity management

## Complimentary

- Information resources management
- Business continuity management



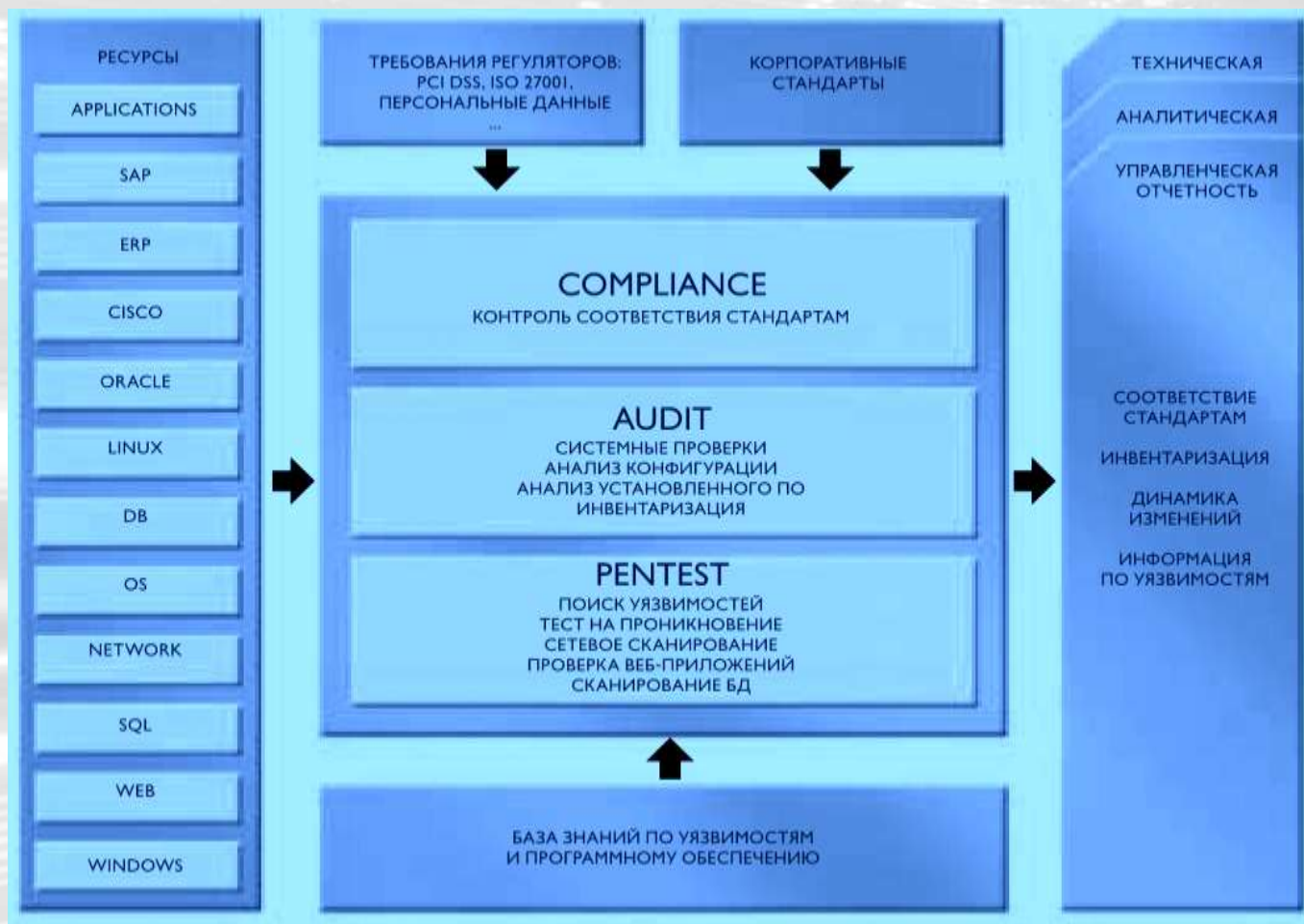
# Security event management





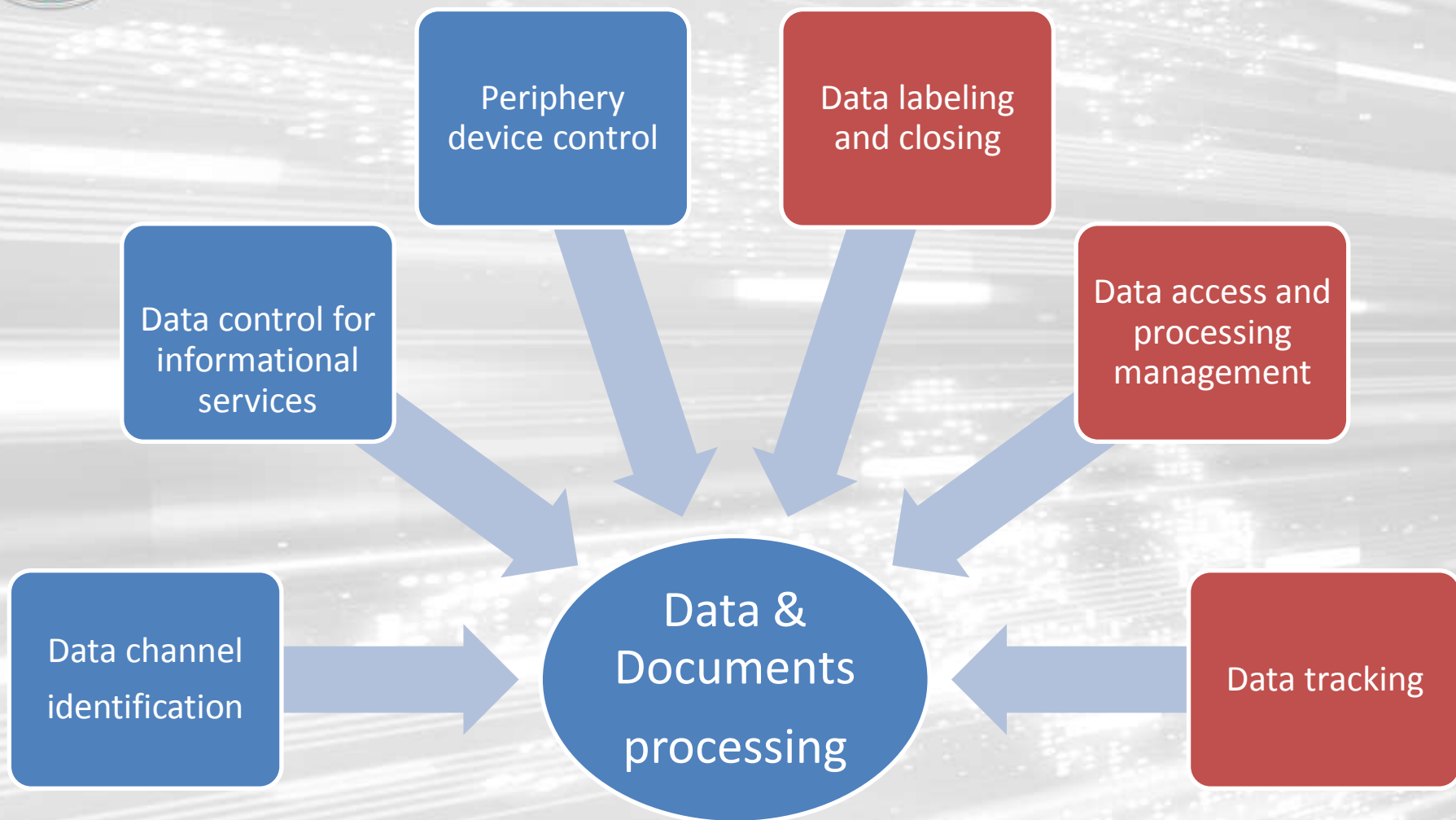


# Security information & compliance management



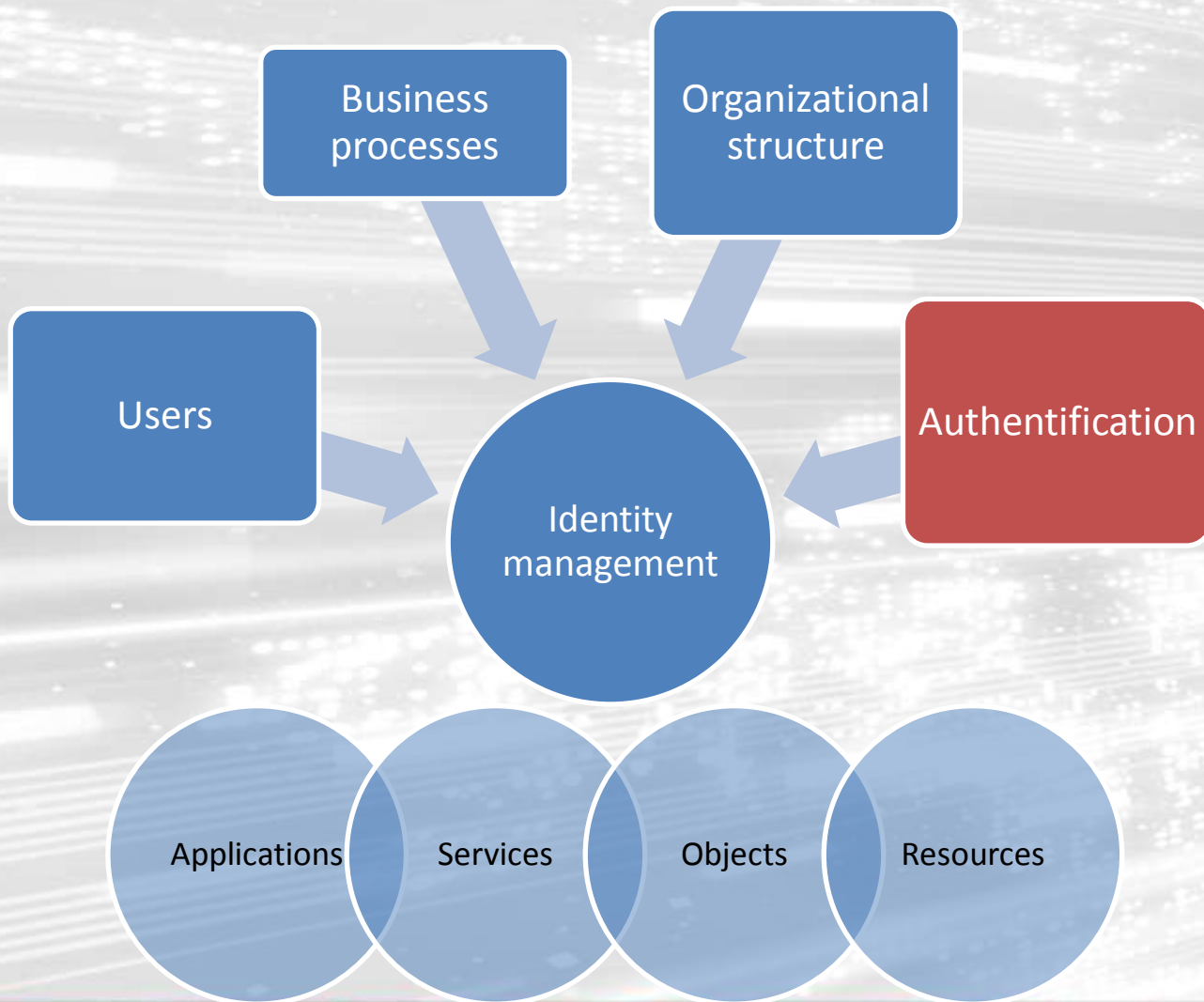


## DLP + IRM





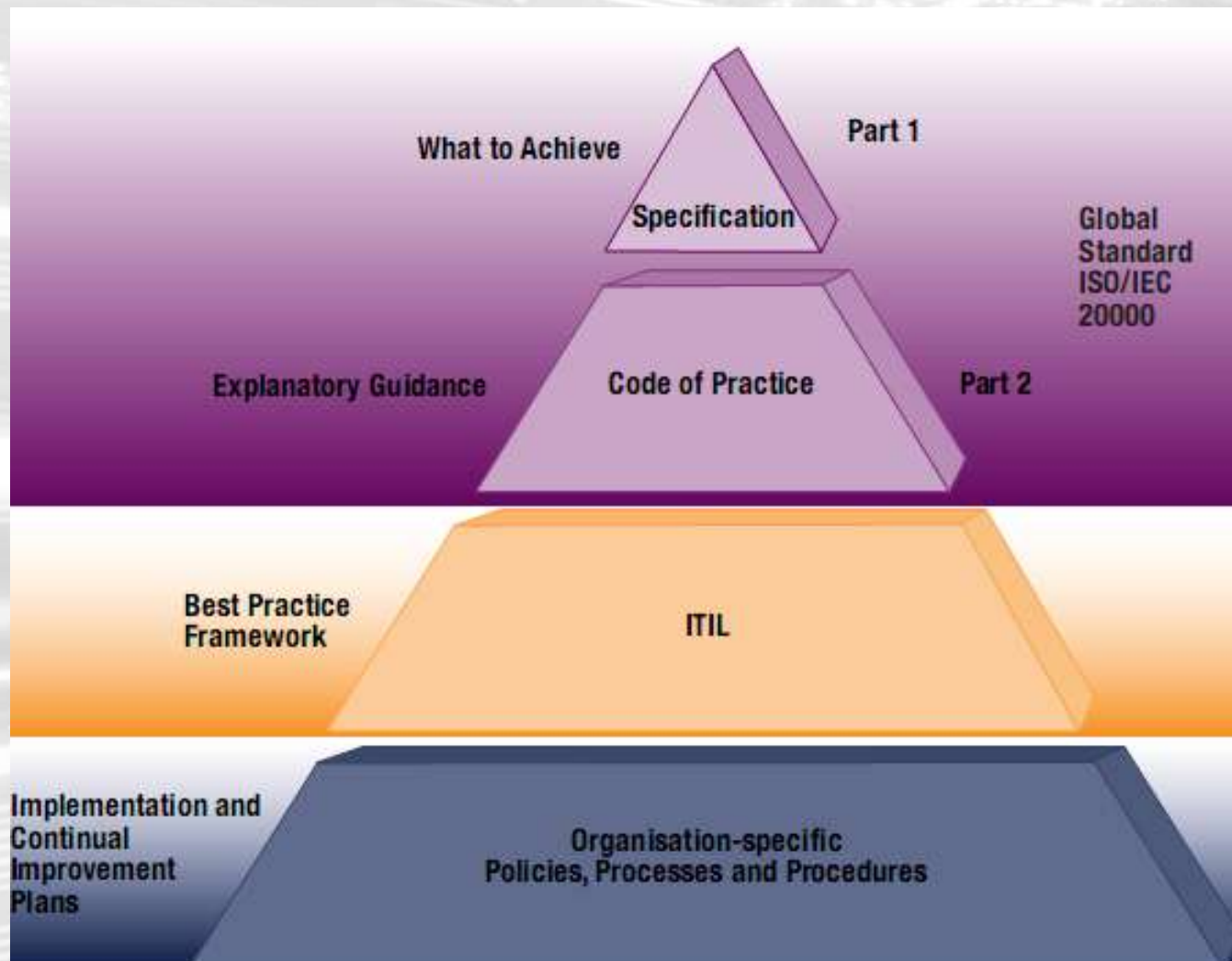
# Identity Management







# Complimentary





# Conclusions

Increasing of number and complexity of security problems

We need go from “security of system” to “security of processes”

We need to use management standards such as ISO27001

We need to implement security mechanisms involved into business processes – IDM, DLP, IRM, SEM ...

Security is only one part of integrated IT management



Компания «РНТ»

Ilya Trifalenzov  
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