



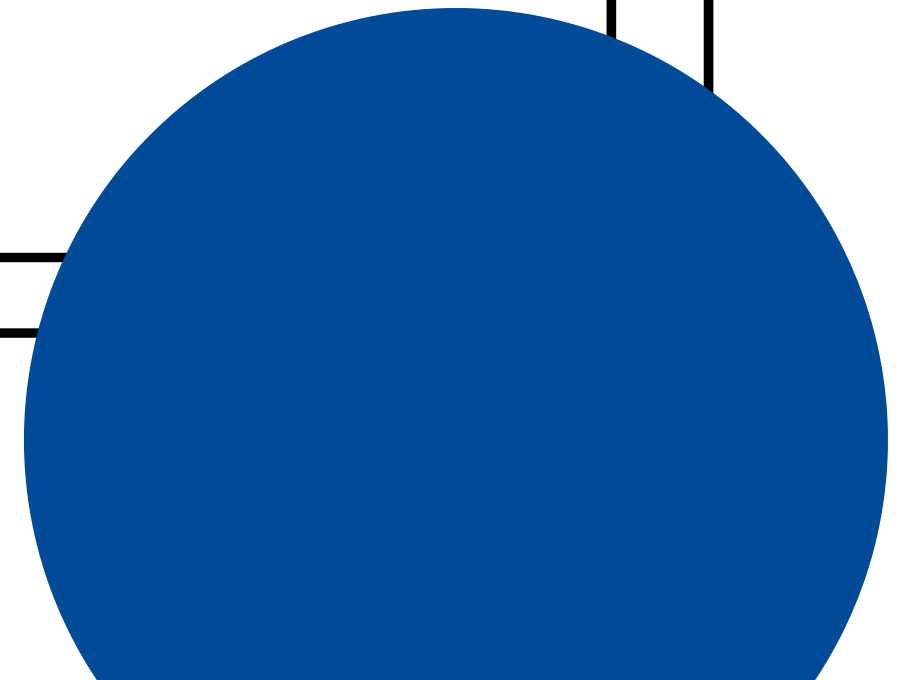
Presentation to the client

Search



# Introducing IPS to the network

By Ludovick Kools



# Summary

▶ What IPS stand for and what is it ?

▶ How deep is it going to change the network ?

▶ How are we going to implement it into our network ?

▶ What does it changer and what's next ?

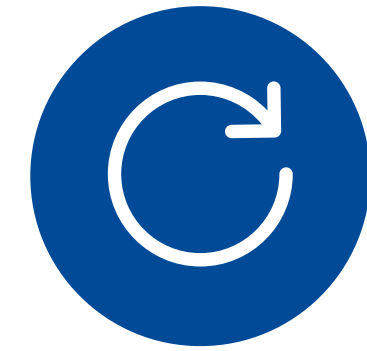


What IPS stand for  
and what is it ?

Quick look around



# How could I protect my network ?



1

## Firewall :

- Filters incoming and outgoing network traffic
- Based on predetermined rules

2

## IDS :

- Monitors traffic for malicious activity or policy violations
- Sends alert on detection

3

## IPS :

- Inspects traffic, detects it and classifies it
- Proactively stops malicious traffic from attack

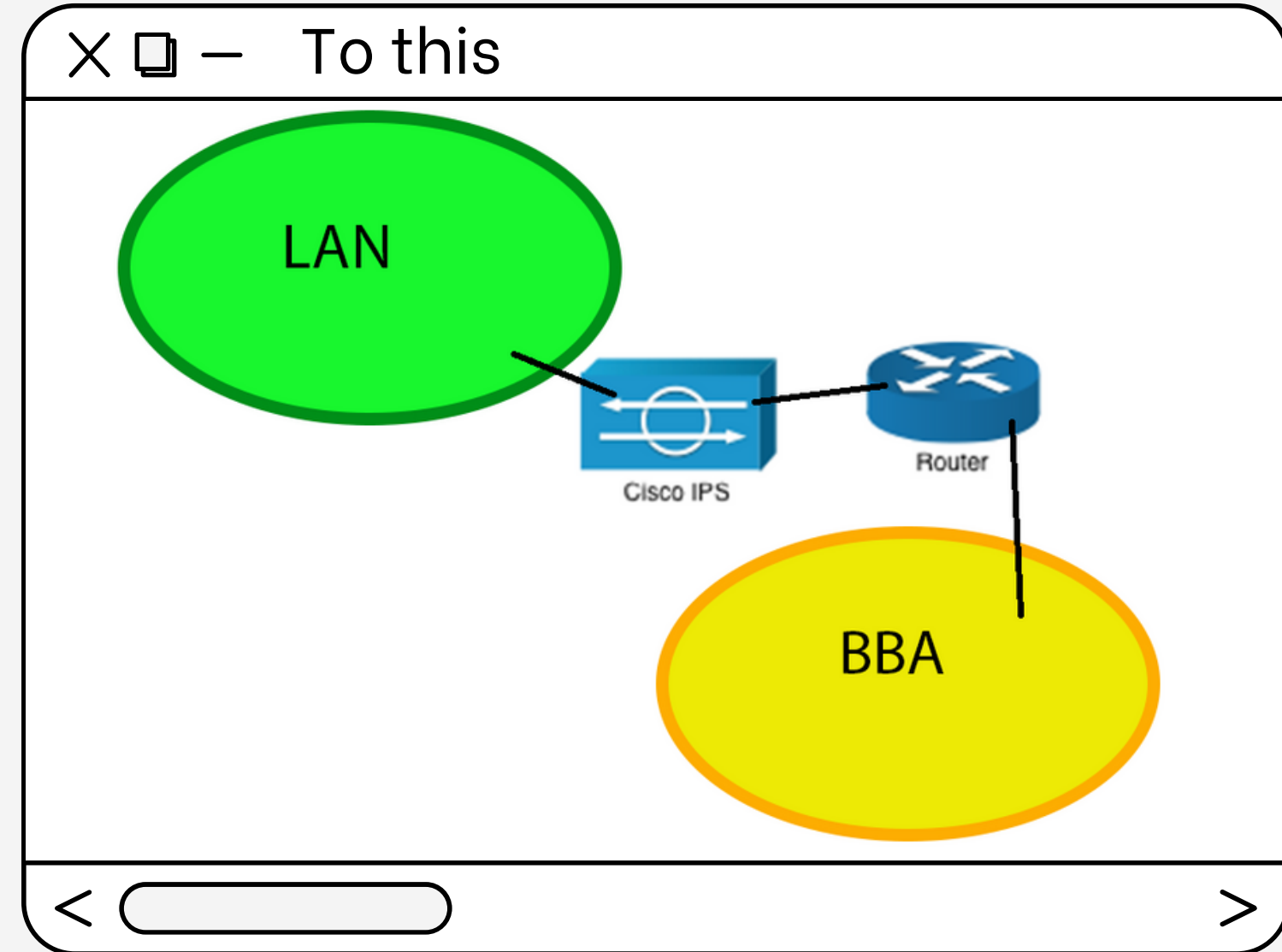
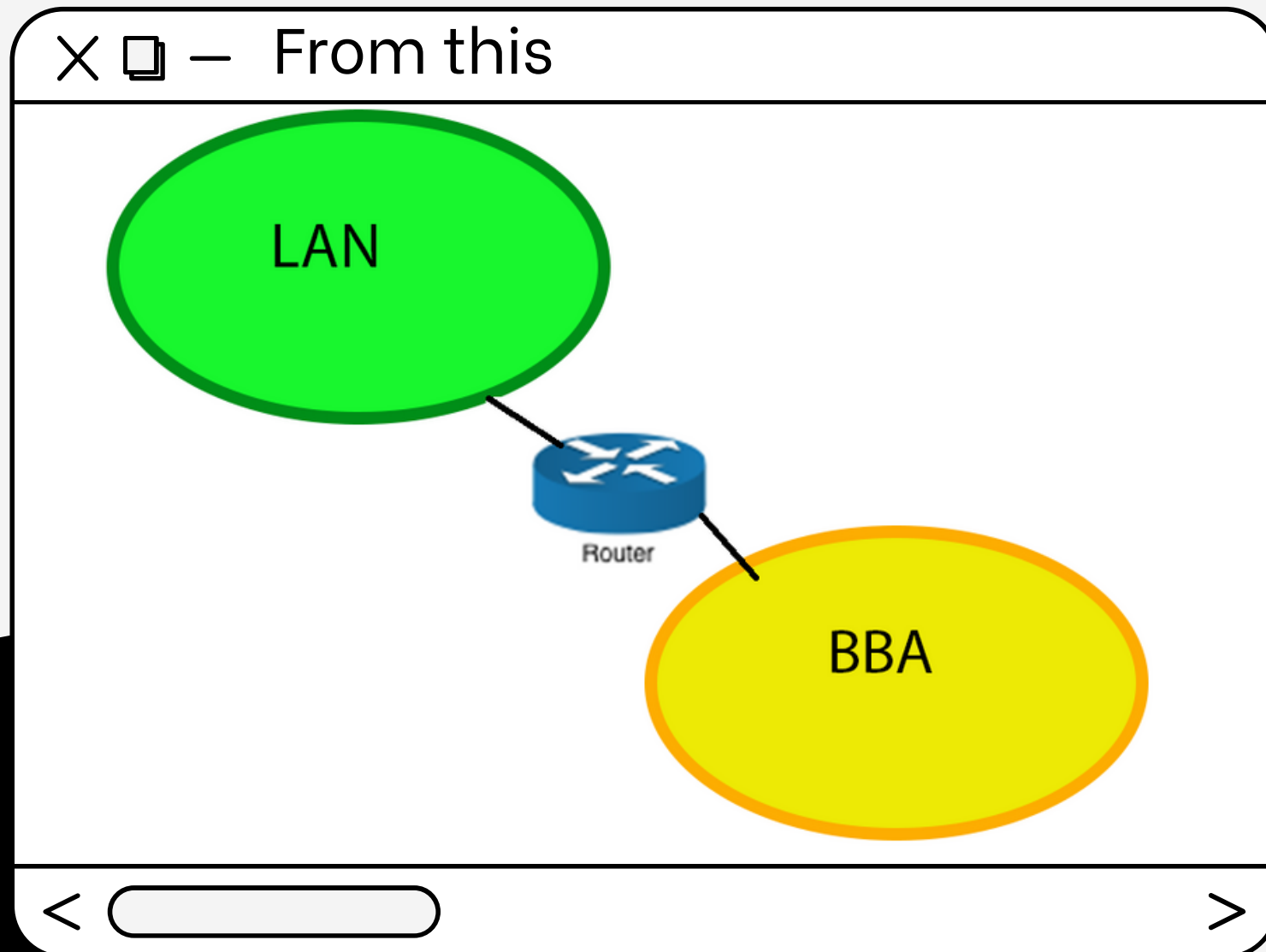


How deep is it going  
to change the network ?

Is it worth it ?



# Just a quick change





# Ready ?

Spoiler : NO



Move “outgoing “ interface of the LAN



Add an other network



Add new routes



improve the security and the monitoring inside the network

# Addresses translation ?



× □ -

**NAT**

- Static
- Dynamic

< [ ] >

vs.

× □ -

**Static route**

< [ ] >

vs.

× □ -

**PAT**

< [ ] >

Could be tricky to double it

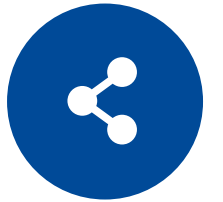




**How are we going to  
implement it into our  
network ?**



## Implementation procedure



- + Base préparation of the IPS
- + Insertion of IPS IOS, cryptokey & signatures
- + Interruption of services ( aprox 15 min )
- + Some changes on the core router
- + Insert the IPS and get services back



# What's new

You can now protect  
your network from  
the inside



# What's next

What about  
protecting your  
network from the  
outside



## Achievement unlocked

You have successfully added an IPS to your network



**Any questions?**

