



secunet Security Networks AG
Crypto Solutions for
Government Authorities

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Agenda

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3. Products
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5. Use case: Defense
6. Use case: Interior
7. Use case: Intelligence

1

Corporate Overview

- Germany's leading specialist for highly complex and classified IT security solutions
- Exclusive Partner of the German Federal Office for Information Security (BSI)
- Highly experienced in serving public authorities and international organizations

2

References

Deployed in 8 European Countries as national Crypto standard

- German Ministry of Foreign Affairs
Worldwide Embassy network, 300+ locations, centrally managed
- German Armed Forces and Ministry of Defense
Biggest customer installation, 14,000+ deployments
- German Border Police
Highly complex deployment combining 400+ border control stations
- German Defense Office to NATO
Classified data exchange between National and NATO offices
- EU Council
European network between 27 nations and EU authorities

2

References, cont.

Deployed in 8 European Countries as national Crypto standard

- NATO Multinational Headquarter
High Readiness Forces deployment (homeland and mission)
- European Battlegroups
Multinational Rapid Reaction Forces deployment
- sTESTA - European Border Control
Protecting the borders of the European Union
- IVBB – Federal Communication link Bonn-Berlin
Connecting ministries in two cities as one network

3

Products – SINA Secure Communication



- SINA Box
IPSEC VPN, accredited up to Top Secret level

SDIP level A / Zone 0 support (tempest proof hardware solutions)



- SINA L2
Layer 2 – backbone encryption up to 10 Gbps throughput
with fully mesh support



- SINA One Way Gateway
Unidirectional data transfer for physically separated networks

3

Products – SINA Secure Workplace



- SINA Thin Client
Terminal Server Client, accredited up to Top Secret level

SDIP level A / Zone 0 support (tempest proof hardware solutions)



- SINA Virtual Workstation
Mobile solution for business computers (Lenovo) and special hardware (Roda, Toshiba)

Tempest proof solutions available

3

Products – SINA Secure Components

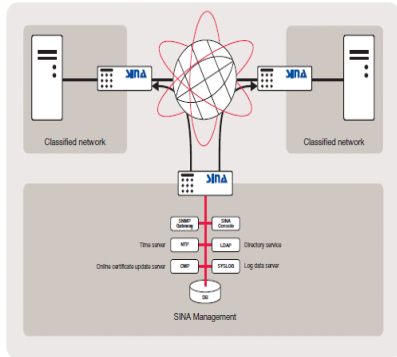


- SINA Mobile Disk
Carrying classified data on ultra mobile USB hard disk
- Strong hardware encryption
- The Secret (PIN) to be entered directly on the device.

3

Products – SINA Management

- SINA Management handles all SINA components and is a key component for controlling highly complex and classified networks.
- The technology gives full control to administrators while allowing normal users to install crypto devices in remote locations.
- SINA Box, L2, OWG and Thin Client do not have a local data store and have to be managed centrally.



4

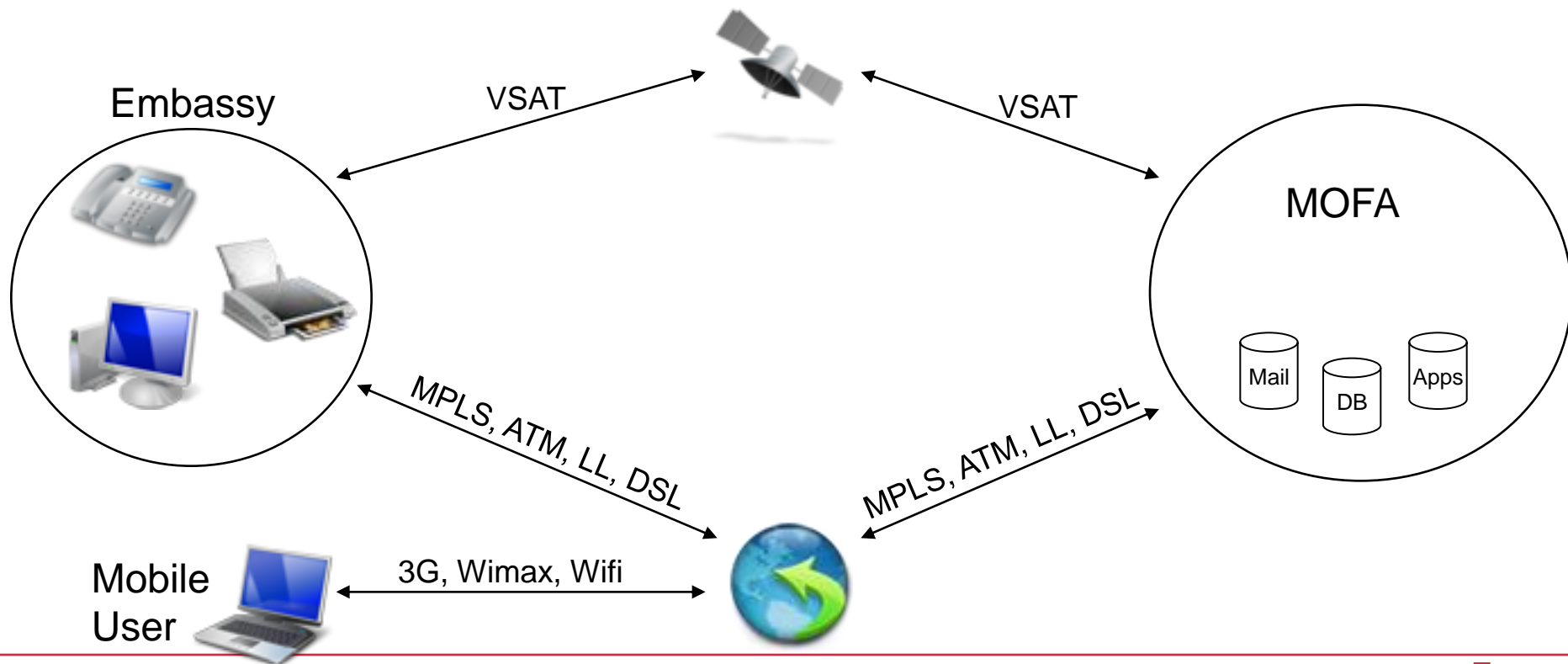
Use case: Foreign Affairs

Worldwide
Embassy
Network

- Establish worldwide, secure network
- Use available communication links
- Be stable in rough environments with frequent power loss
- Provide support for redundant network connections
- Manage devices centrally
- Allow easy installation by normal user (plug and play)
- Leave no data in case of emergency

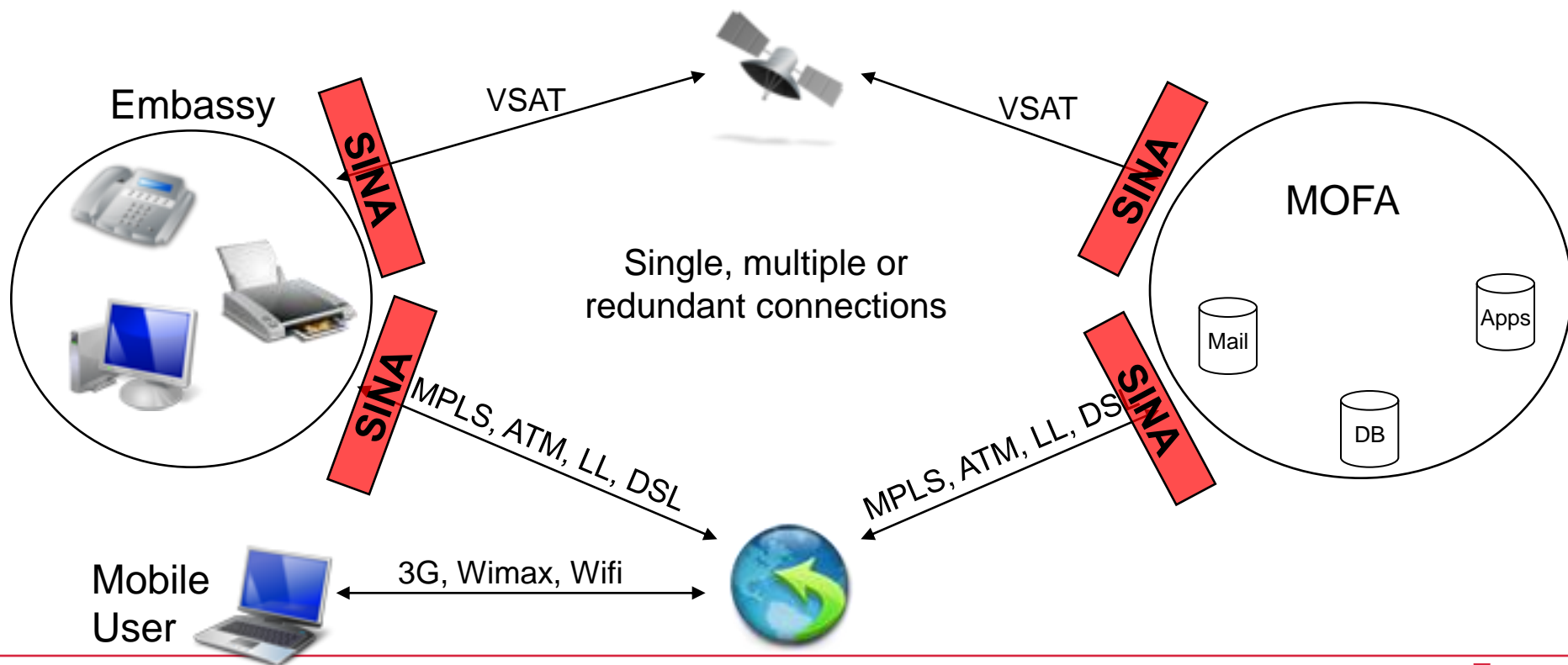
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Use case: Foreign Affairs



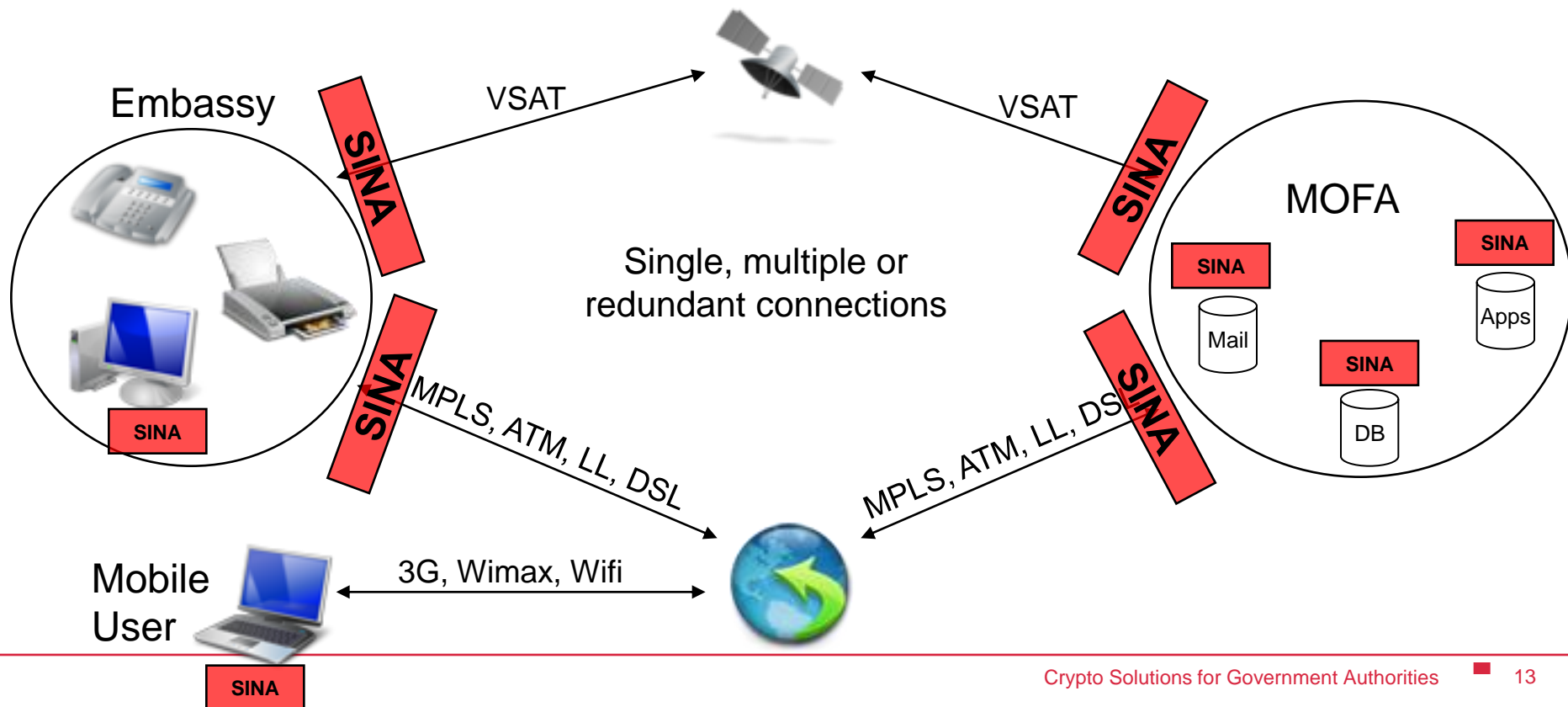
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Use case: Foreign Affairs



4

Use case: Foreign Affairs



5

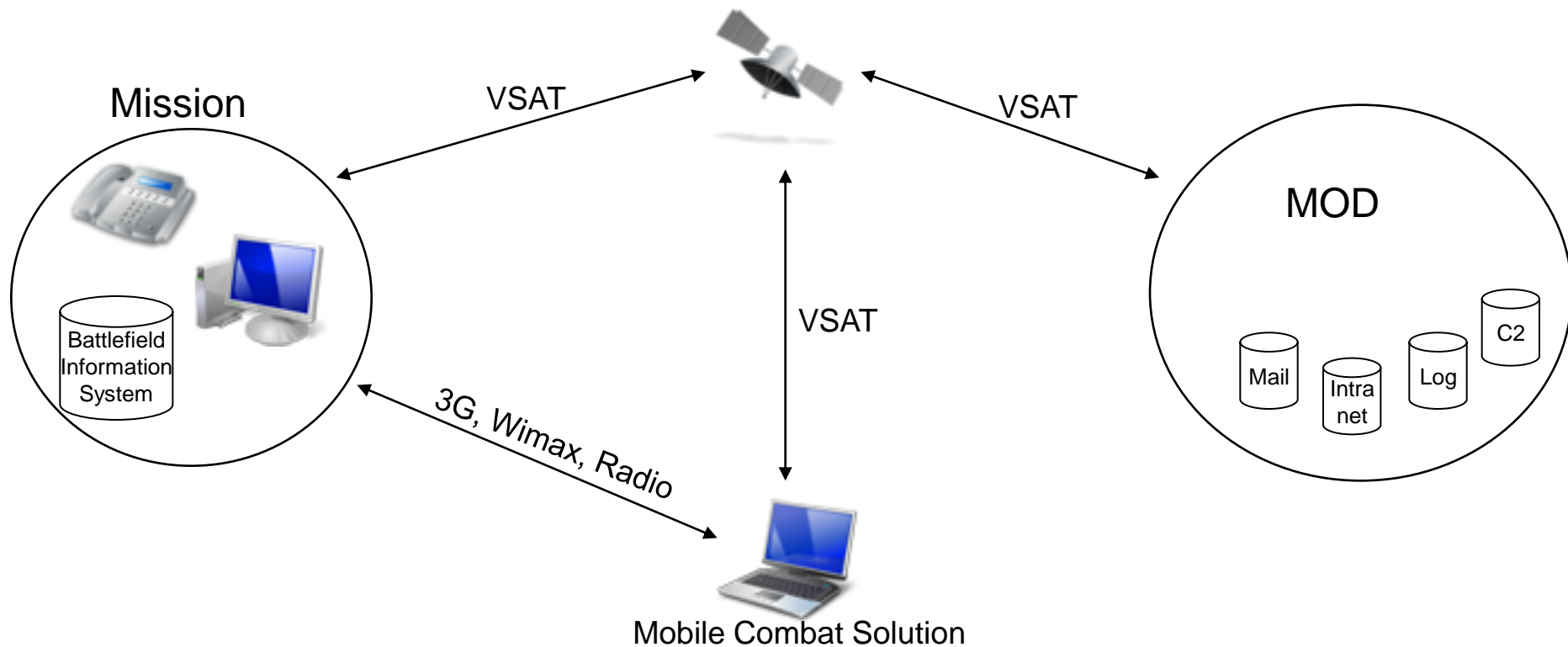
Use case: Defense

Network
Centric
Operation

- Establish secure network in hostile environments
- Use battlefield communication links
- Be stable in rough environments with frequent power loss
- Provide support for redundant network connections
- Support mobile devices
- Allow access to data with different levels of classification

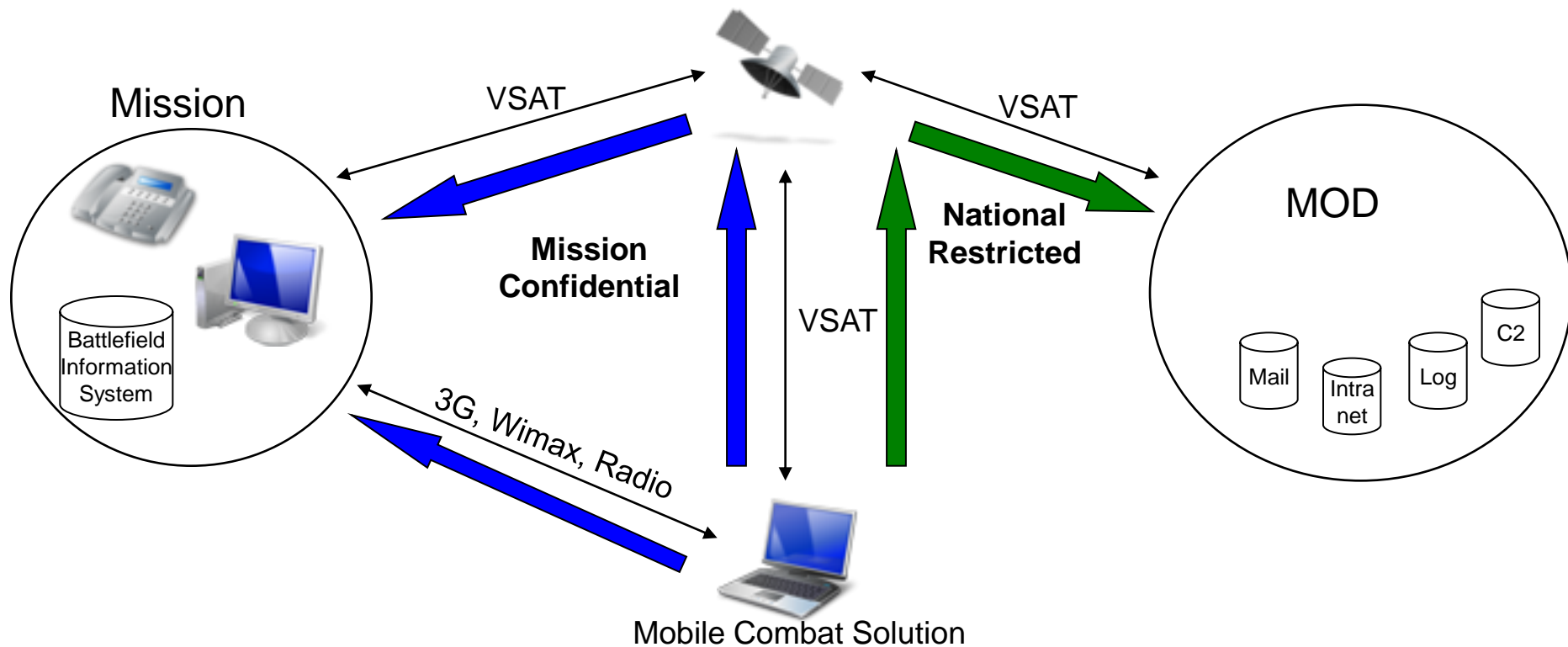
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Use case: Defense



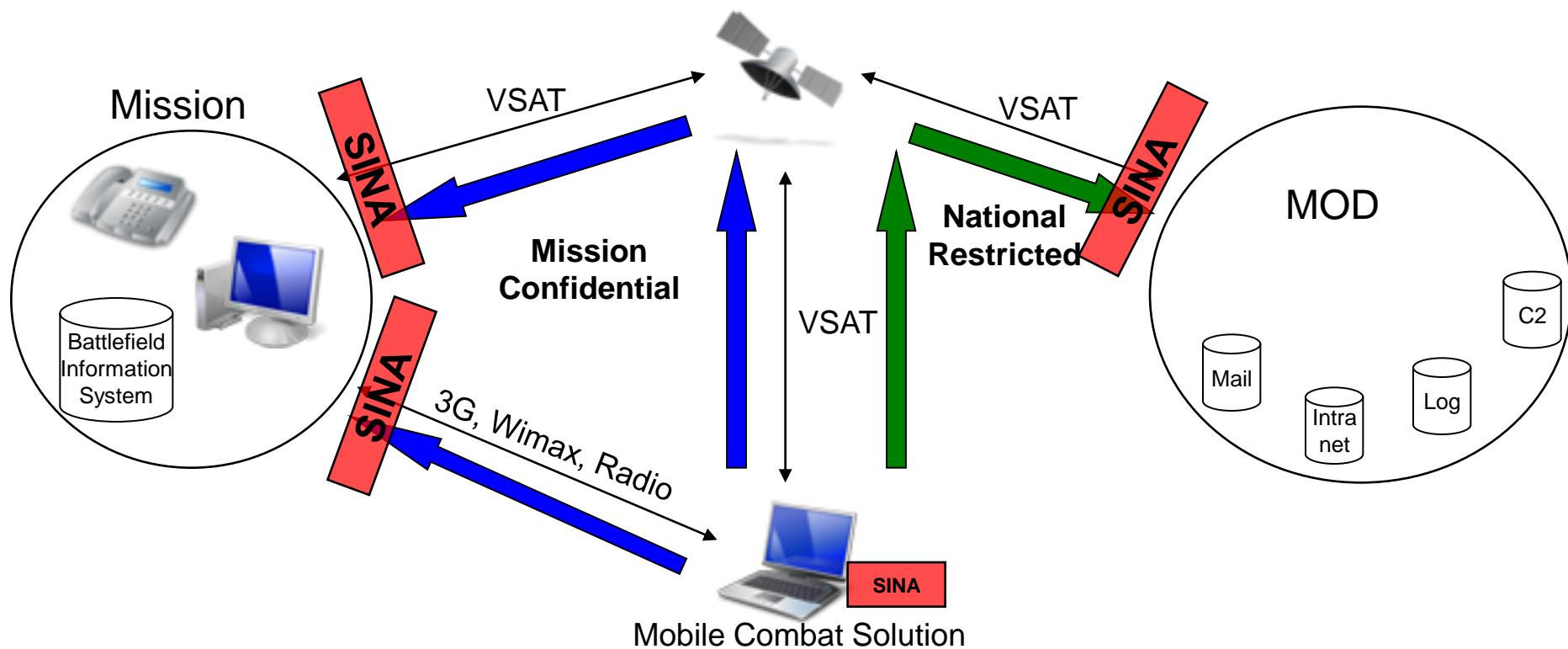
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Use case: Defense



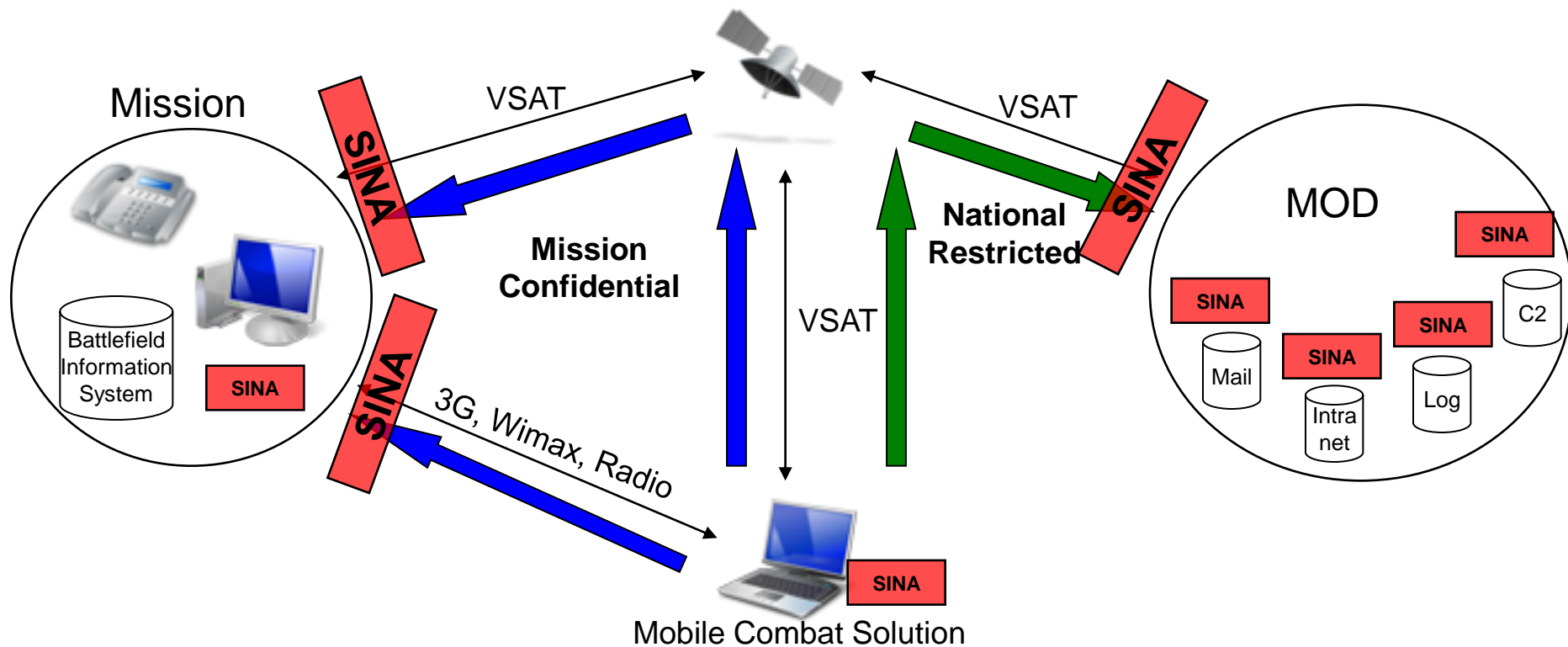
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Use case: Defense



5

Use case: Defense



6

Use case: Interior

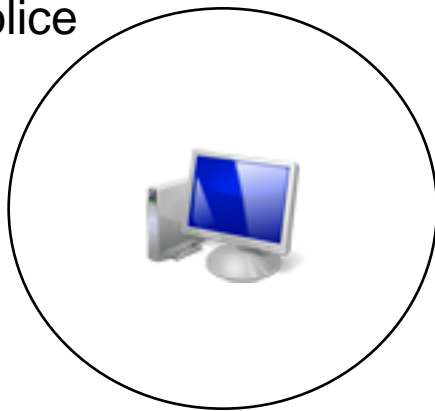
Border and
Immigration
Control

- Provide fast and reliable network
- Allow access to centralized applications and resources
- Critical environments don't allow downtimes (airport scenario)
- Allow access to data with different levels of classification

6

Use case: Interior

Border Police Station



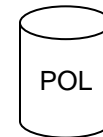
Visa validity check

MOFA



Police check, National and International DB

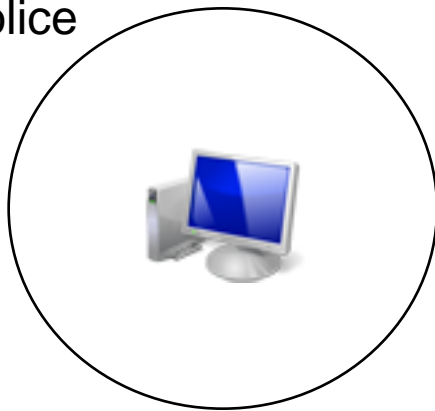
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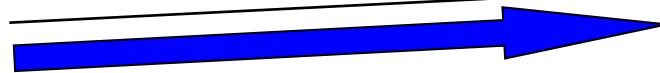
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Use case: Interior

Border Police Station



Visa validity check



MOFA

Classified



Police check, National and International DB

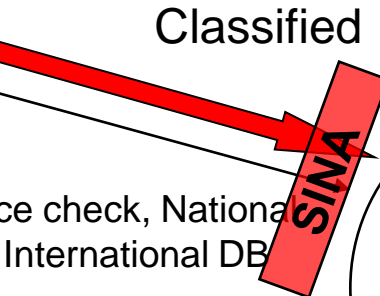
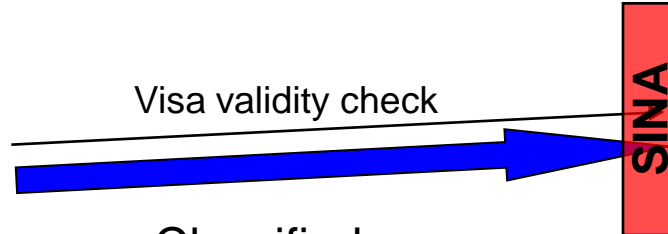
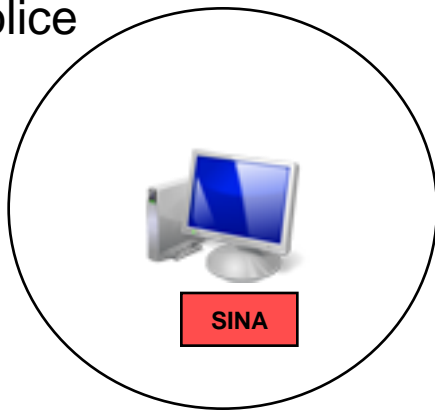
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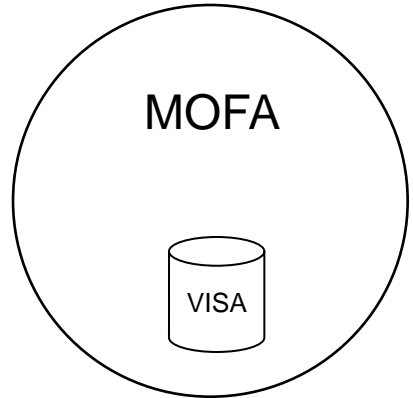
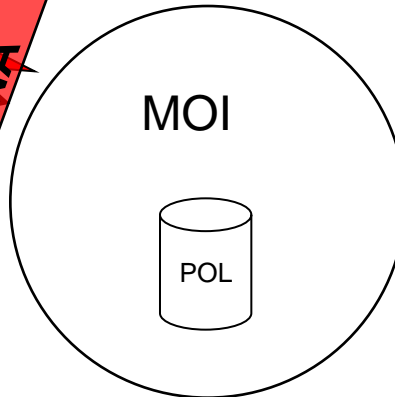
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Use case: Interior

Border Police Station



Police check, National and International DB



6

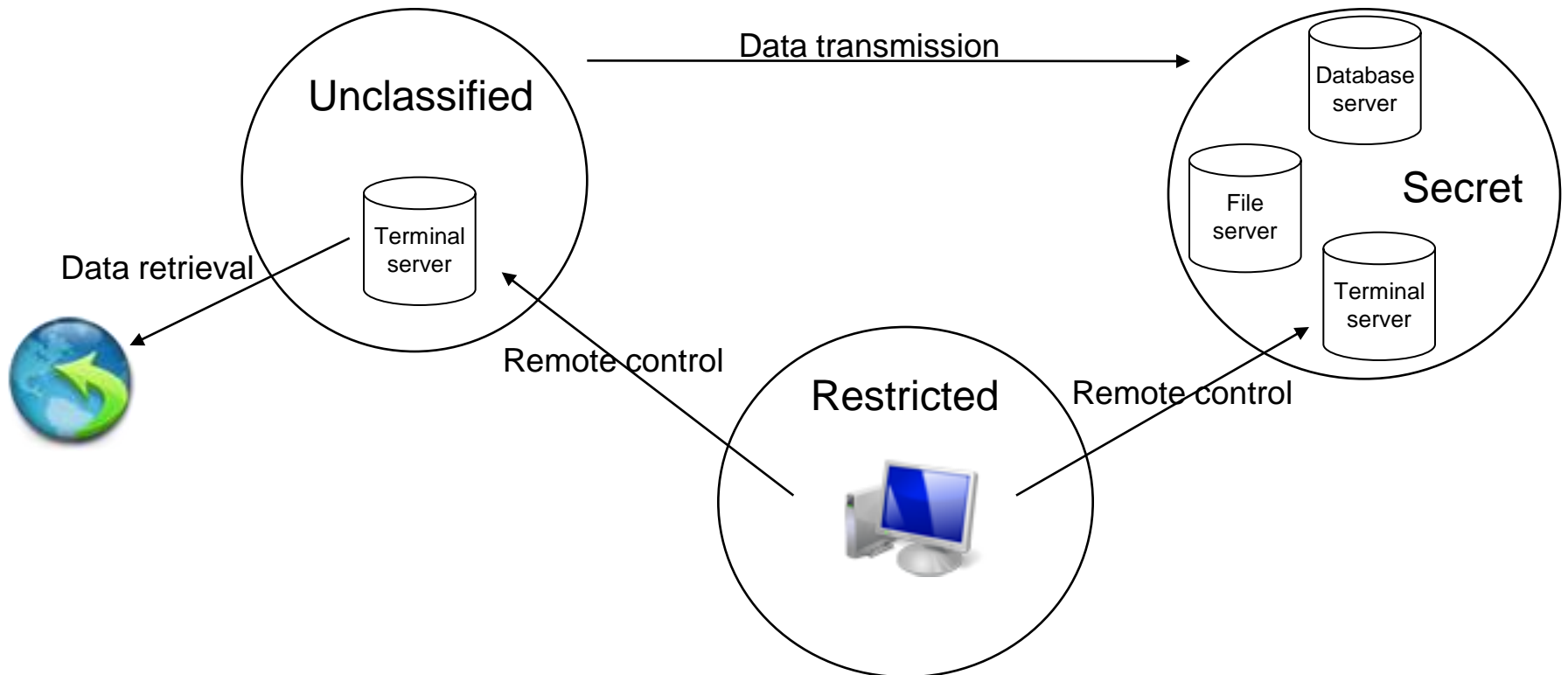
Use case: Intelligence

Lawful Interception

- Provide highly secure network separation
- Allow access to resources with different classification levels
- Use unclassified networks for information retrieval
- Transfer data from unclassified to classified networks without having a physical connection

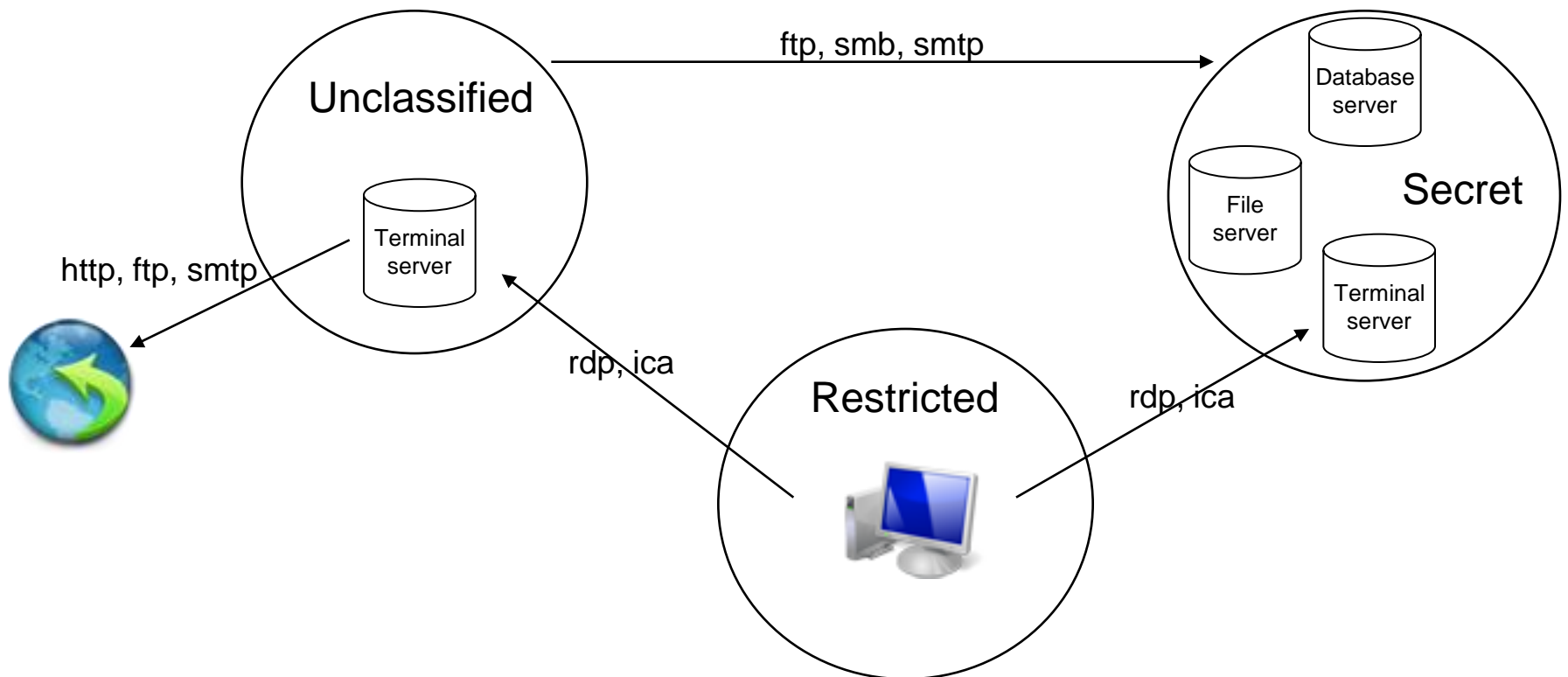
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Use case: Interior



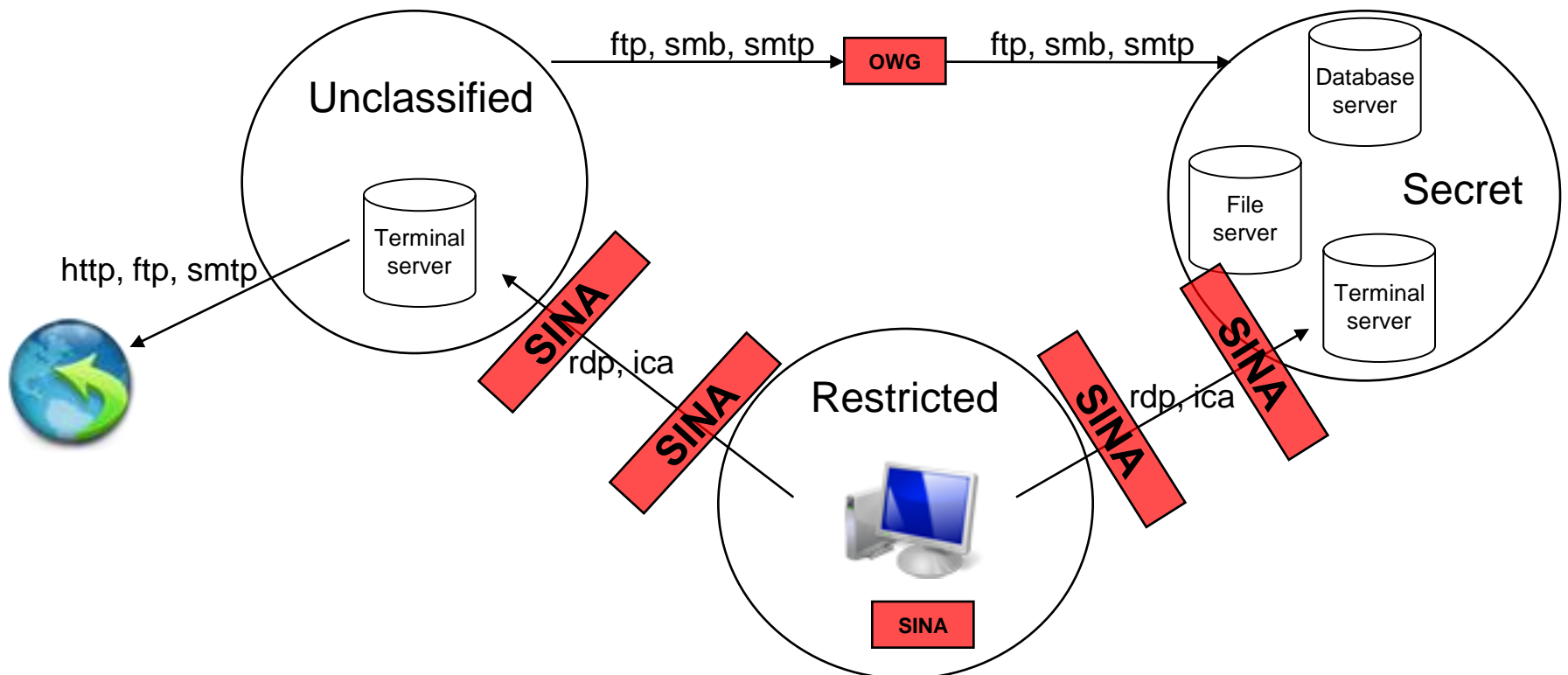
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Use case: Interior



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Use case: Interior



**Thank you very much
for your attention!**



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