







SECURITYMADEIN.LU







Legal form: G.I.E (Groupement d'Intérêt Economique)



Computer Incident Response Center

Luxembourg



cases

Cyberworld Awareness and Security Enhancement Services

www.securitymadein.lu www.cases.lu





- What is MONARC?
- Discovery and usage of the tool
- New features
- Services





MONARC: OPTIMISED RISK ANALYSIS METHOD

Context Establishment

Implementation and monitoring — Tool —

Evaluation and treatment of risks

Risk Analysis Method

- Structured
 - 1. ...
 - 2. ..
 - n. ...
- Iterative

Context

Modelling

- Plan
- Do
- Check
- Act
- Qualitative : Values / consequences
 - Reputation, Image
 - Operation
 - Legal
 - Financial
 - Person (to the)
 - •





MONARC: THE METHOD IN DETAIL



- •Risk Analysis Context
- Trends Evaluation
- ·Threat Assessment
- ·Synthesis of the trends and threats assessment
- · Context of the risk management
- ·Definition of assessment criteria, acceptance and impact

Deliverable: Context Validation

Context Modelling

- ·Identification of assets, vulnerabilities and impact appreciation
- ·Synthesis of assets / impacts

Deliverable: Model Validation

Evaluation and treatment of risks

- ·Estimation, evaluation and risk treatment
- ·Management of plan for risk treatment

Deliverable: Final Report

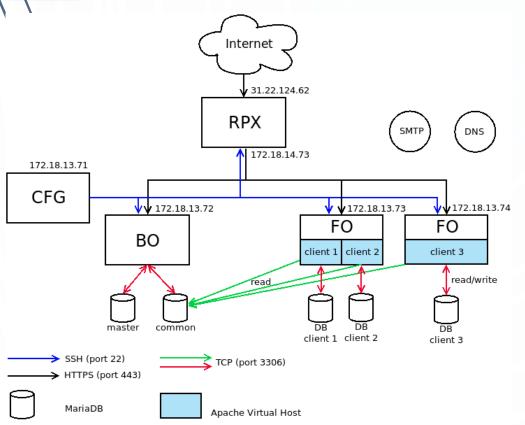
Implementation and monitoring

· Management of the implementation plan for risk treatment





ARCHITECTURE



Back-Office [BO]

Administration of DB Common, servers FO, Models an users

Front-Office [FO]

Client interface Administration of DB Client and users





MONARC: TO REMEMBER

Open source

www.github.com/CASES-LU/MonarcAppFO
AGPL v3.0 (GNU Affero General Public License version 3)

Risk Management (ISO/IEC 27005)

```
Information Risks (R = I x M x V)
Impact on the CIA
Secondary Assets
```

Operational Risks (R = I x P)
Impact on the ROLFP
Gross/Net
Primary Assets

- Optimised (models, delivrables, inheritance, globalisation)
- Multilingual (en, fr, de, nl)



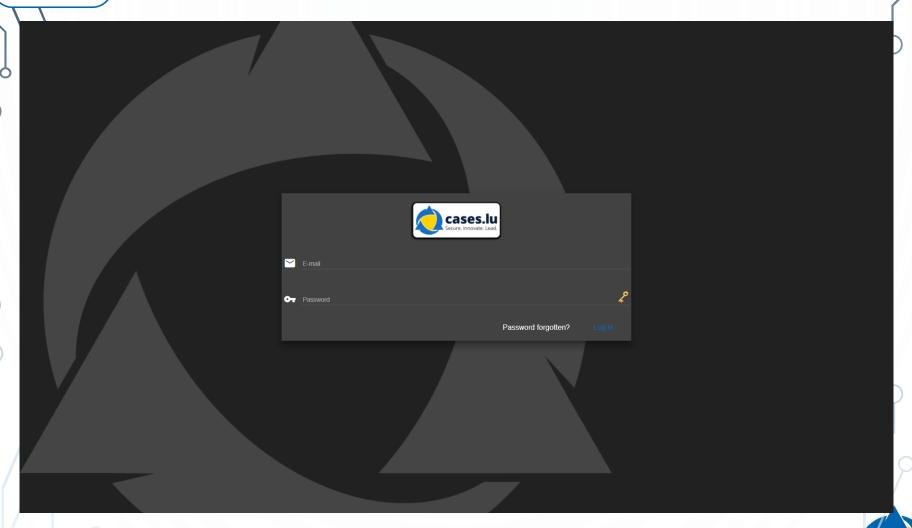


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DISCOVERY AND USAGE OF THE TOOL

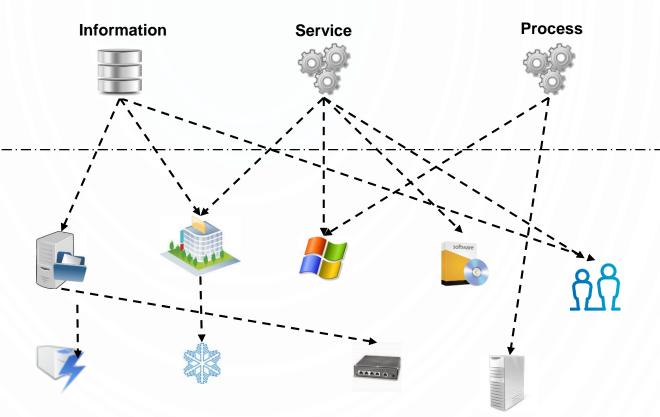




2.1 – IDENTIFICATION OF ASSETS, VULNERABILITIES AND EVALUATION OF IMPACTS

Primary Assets (Business)

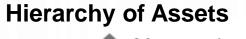
Secondary Assets (Supporting)



The combination of risks of an supporting asset is transmitted to the business asset through inheritance of the CIA evaluation

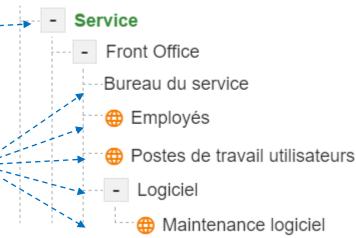


FORMALISATION OF THE MODELLING





Secondary Assets



Type of Assets

▶ [SFRV]

[0 (1]
 [CONT]
 [OV_BATI]

----- [OV_UTIL]

----- [OV_POSTE_FIXE]

----- [OV_LOGICIEL]

---> [OV_MAINTENANCE]

		Menace	Vulnérabilité	
9	A. A.	Vol ou destruction de supports, de documents ou de matériel	Failles dans les périmètres d'accès physiques	
OV BATI	11	Vol ou destruction de supports, de documents ou de matériel	Le principe du moindre privilège n'est pas appliqué	l
OV_BATI	The same of the sa	Vol ou destruction de supports, de documents ou de matériel	La gestion des autorisations comporte des failles	
		Abus de droits	Absence de vigilance lors d'une intervention d'un tiers (fournisseur, femme de ménage, etc.)	l
	*	Sinistre environnemental (Incendie, eau, poussière, saleté, etc.)	Les locaux ne sont pas sécurisés ou peuvent être compromis par des éléments externes],



« GLOBAL » OR « LOCAL » ASSET

21 risks

"Local"

nder amalyse

- Base de données N°1

--Logiciel

-Backup NAS

--Salle informatique.

- Base de données N°2

--Logiciel

--Backup NAS

--Salle informatique.

"Global"

Mon analyse

Base de données N°1

Logiciel

Backup NAS

Salle informatique

- Base de données N°2

Logiciel

Backup NAS

Salle informatique

Base de données N°1



Base de données N°2

30 risks



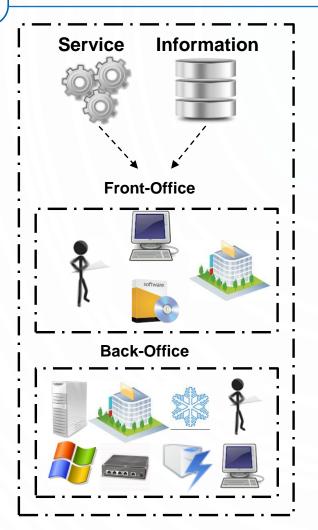
Base de données N°1 Base de données N°2







CASES MODELLING



Service

- Front Office
- --- Bureau du service
- ···

 Employés
- Bostes de travail utilisateurs
- Logiciel spécifique
 - ···

 Maintenance logiciel spécifique
- Back Office
 - Bâtiment
 - ··· 🌐 Salle informatique
 - ··· 🌐 Administrateur système
 - **** Postes de travail admin
 - ···

 Gestion serveurs
 - Gestion des backups
 - ···⊕ Réseau & télécom
 - ···

 Organisation informatique
 - Développements logiciels





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FUTURE FEATURES

- Registre de traitements DCP
- Roadmap:
 - https://github.com/monarcproject/MonarcAppFO/wiki/Roadmap





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SERVICES

- Personalized installation
- On demand trainings
- Assistance working with MONARC
- Customized developments





CONTACT US



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monarc.lu



monarc-project

