

SPTI

Laboratorio 3 – Gestión de Riesgos (Procesos y Activos de TI)

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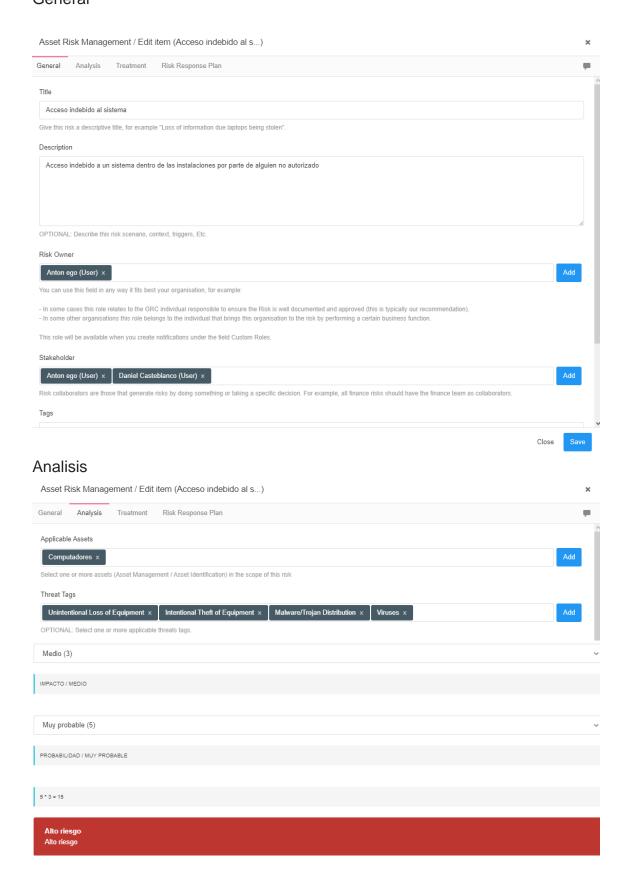
Objetivos: Documentar el proceso de gestión de riesgos con base en el diagrama de activos realizado anteriormente, además de crear mecanismos de control y políticas para poder mitigar los riesgos a un nivel aceptable

3)

3.1) Primero debemos identificar los riesgos, (y darles una descripción si es necesario), hacer un análisis de este donde pondremos a que activos afecta y que amenazas puede conllevar que suceda el riesgo, luego haremos un tratamiento del riesgo donde pondremos que haremos con el riesgo, aceptarlo, transferirlo, mitigarlo o evadirlo, después podremos poner controles y políticas para controlar el riesgo.

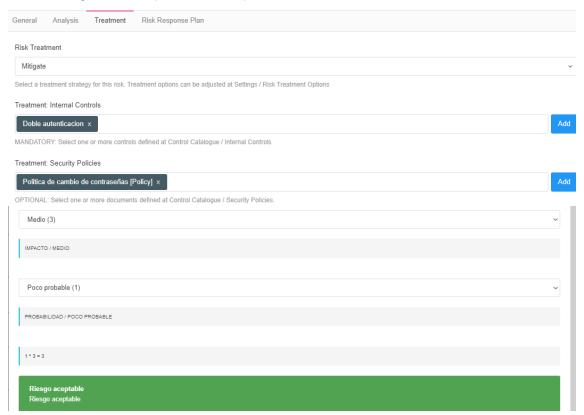
Actions	J _V - Status ≎	Reviews	Title	# 0	Description	# 0
=	ОК	2 ~	Acceso indebido al sistema		Acceso indebido a un sistema dentro de las instalaciones por parte de alguien no autorizado	
=	OK	2 ~	Daño en el proyector		Daño en el videobeam	
=	ОК	2 ~	Desastre natural			
=	ОК	2 ~	Daño en el sensor del colision	ador		
=	ок	2 ~	Ataque fisico al servidor			
=	ОК	2 ~	Ciberataque		Robo de informacion	
=	ок	2 ~	Acceso no permitido a la base datos	de		
=	ок	2 ~	Escape de helio liquido			
≡	ОК	2 ×	Bugs del Software en el centro control	o de		

Riesgo 1 General



Tratamiento del riesgo

Asset Risk Management / Edit item (Acceso indebido al s...)

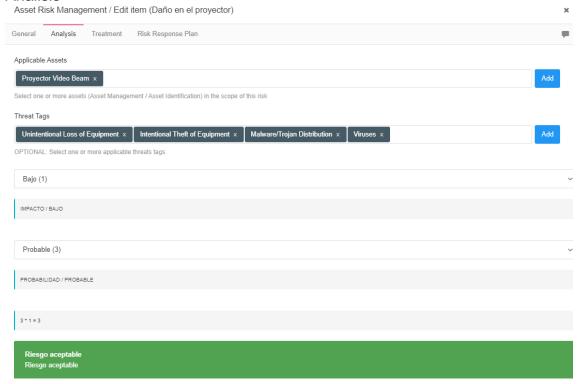


Riesgo 2

General



Analisis



Tratamiento del riesgo

Asset Risk Management / Edit item (Daño en el proyector)

General Analysis Treatment

Risk Treatment

Mitigate
Select a treatment strategy for this risk. Treatment options can be adjusted at Settings / Risk Treatment Options

Treatment: Internal Controls

Reemplazo de equipo
Add

Bajo (1)

Probable (3)

Probable (3)

Riesgo aceptable

Riesgo aceptable

Riesgo 3

General

Asset Risk Management / Edit item (Desastre natural)

Title

Desastre natural

Give this risk a descriptive title, for example "Loss of information due laptops being stolen".

Description

OPTIONAL: Describe this risk scenario, context, triggers, Etc.

Risk Owner

Daniel Casteblanco (User) ×

Add

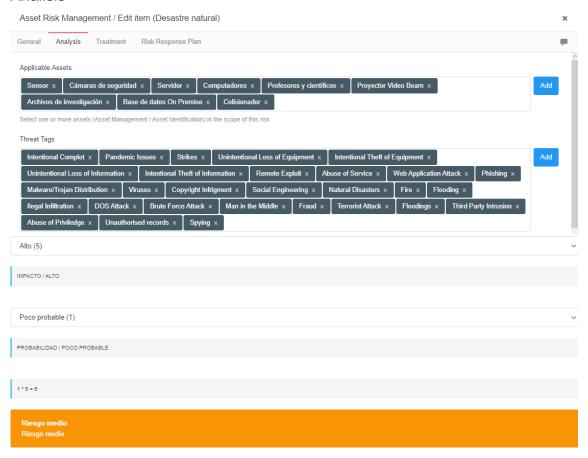
You can use this field in any way it filts best your organisation, for example:

- In some cases this role relates to the GRC individual responsible to ensure the Risk is well documented and approved (this is typically our recommendation).
- In some other organisations this role belongs to the individual flat brings this organisation to the risk by performing a certain business function.

This role will be available when you create notifications under the field Custom Roles.

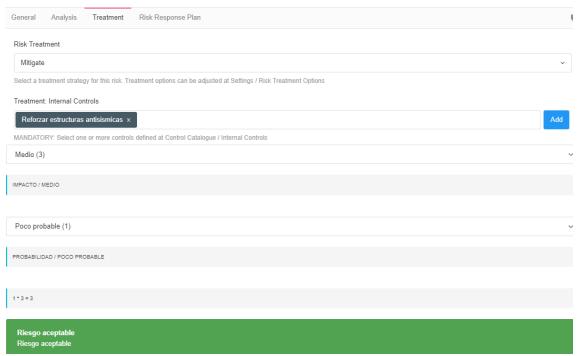
Stakeholder

Analisis



Tratamiento del riesgo

Asset Risk Management / Edit item (Desastre natural)



Riesgo 4

General

Asset Risk Management / Edit item (Daño en el sensor de...)

General Analysis Treatment Risk Response Plan

Title

Daño en el sensor del colisionador

Give titro risk a descriptive title, for example "Loss of information due laptope being stolen".

Description

OPTIONAL: Describe title risk scenario, context, triggers, Elic.

Risk Owner

Daniel Castobianco (User) × Add

You can use this field in any way if tits best your organisation, for example:
- In some cases this role relates to the GRC individual responsible to ensure the Risk is well documented and approved (this is typically our recommendation).
- In some cases this role relates to the GRC individual responsible to ensure the Risk is well documented and approved (this is typically our recommendation).
- This role will be available when you create notifications under the field Custom Roles.

Stakeholder

Daniel Castobianco (User) ×

Add

Add

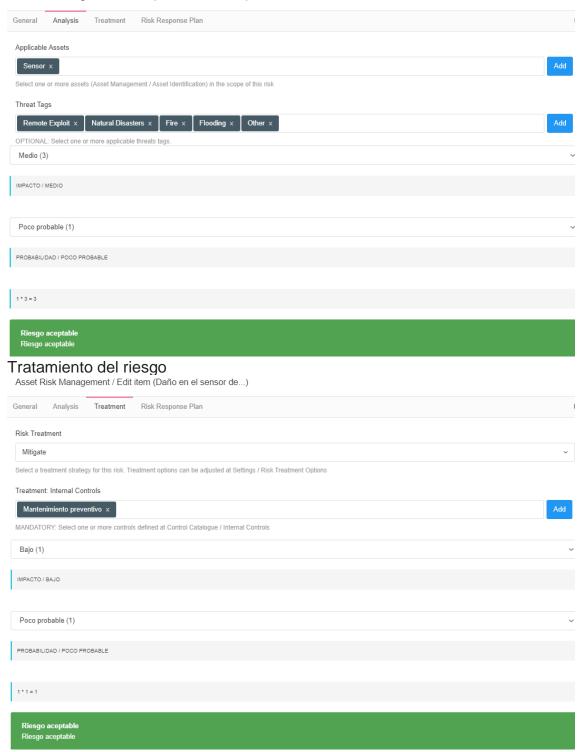
Add

Add

Daniel Castobianco (User) ×

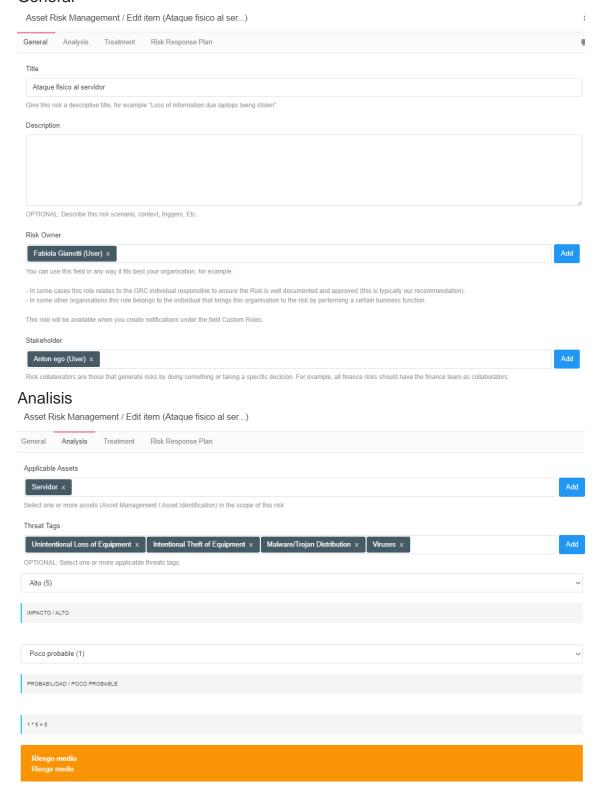
Analisis

Asset Risk Management / Edit item (Daño en el sensor de...)



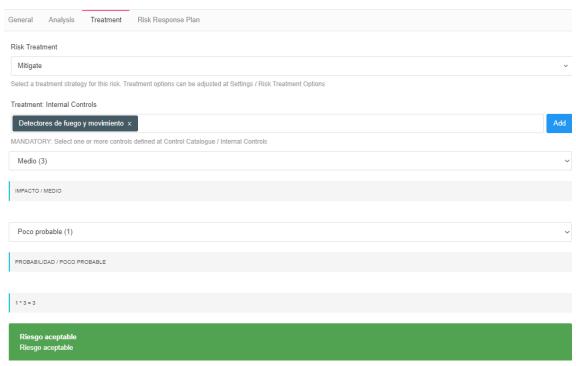
Riesgo 5

General



Tratamiento del riesgo

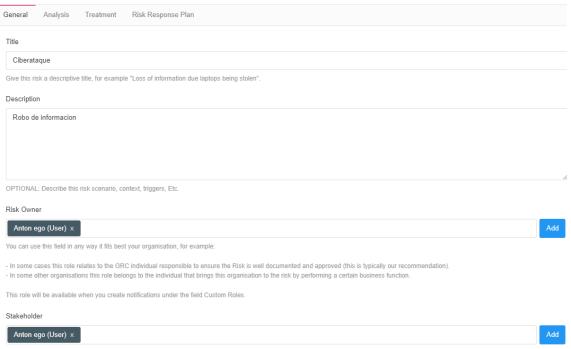
Asset Risk Management / Edit item (Ataque fisico al ser...)



Riesgo 6

General

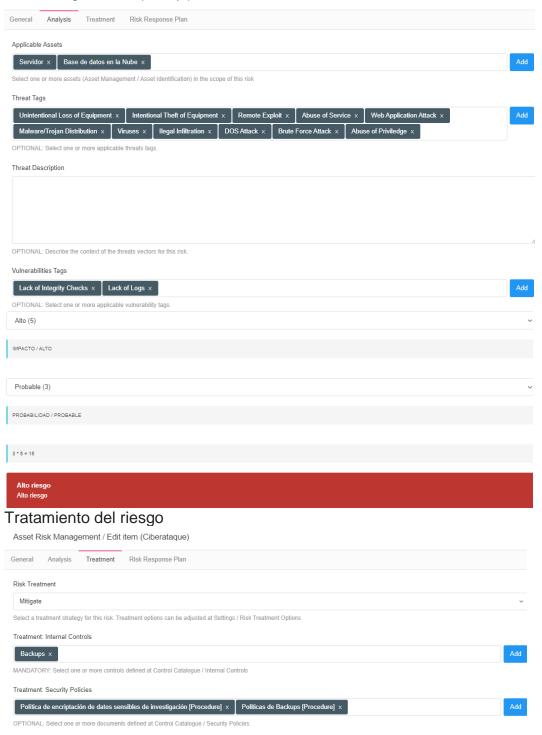
Asset Risk Management / Edit item (Ciberataque)

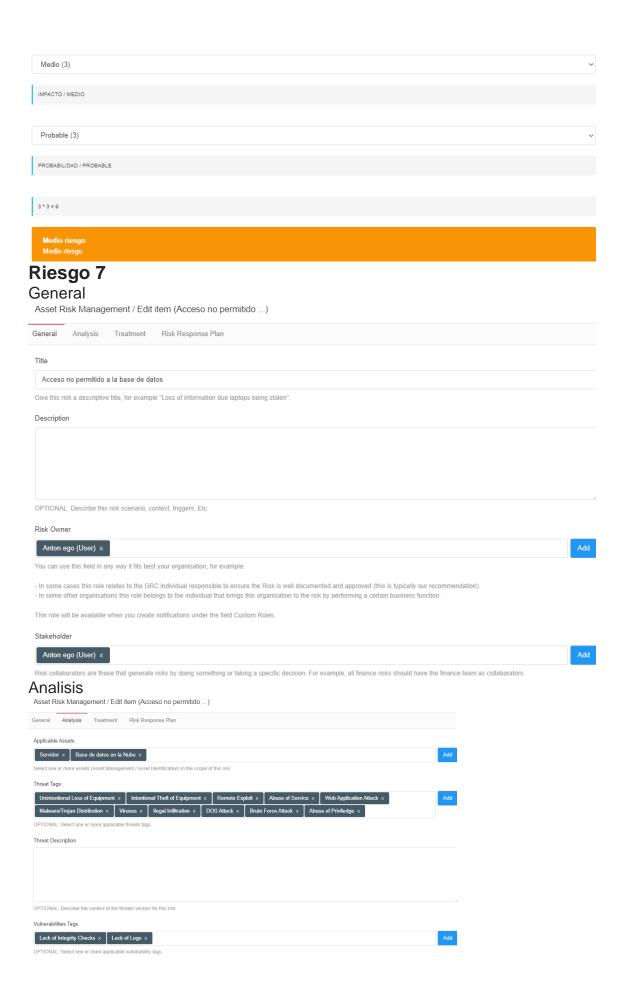


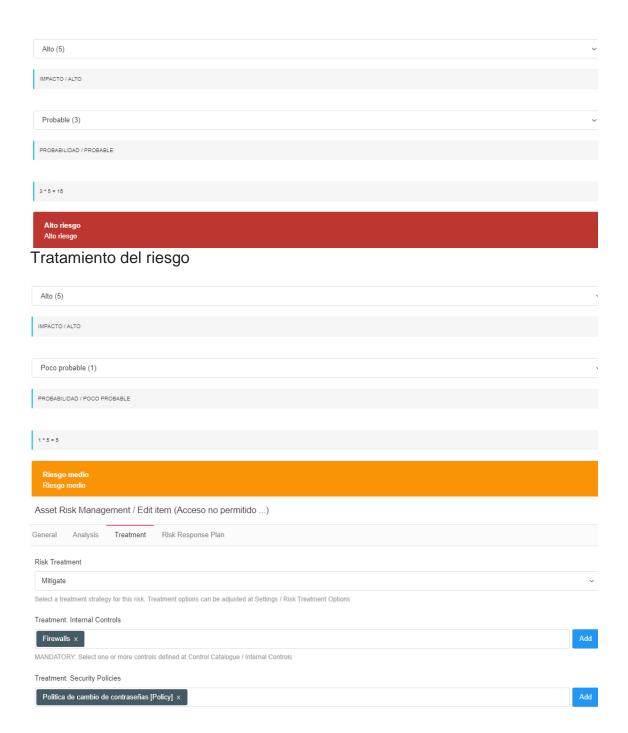
Risk collaborators are those that generate risks by doing something or taking a specific decision. For example, all finance risks should have the finance team as collaborators.

Analisis

Asset Risk Management / Edit item (Ciberataque)



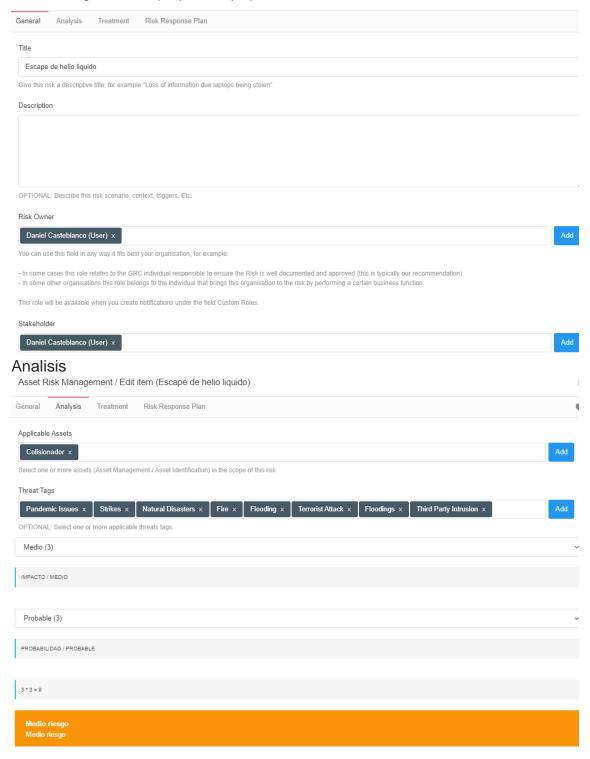




Riesgo 8

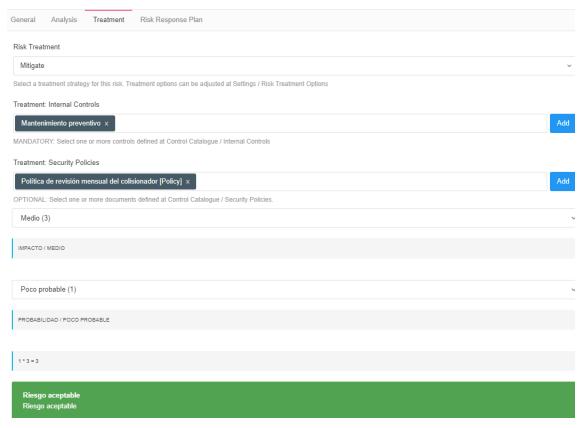
General

Asset Risk Management / Edit item (Escape de helio liquido)



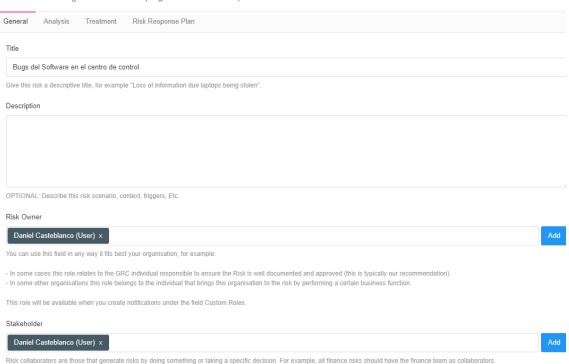
Tratamiento del riesgo

Asset Risk Management / Edit item (Escape de helio liquido)



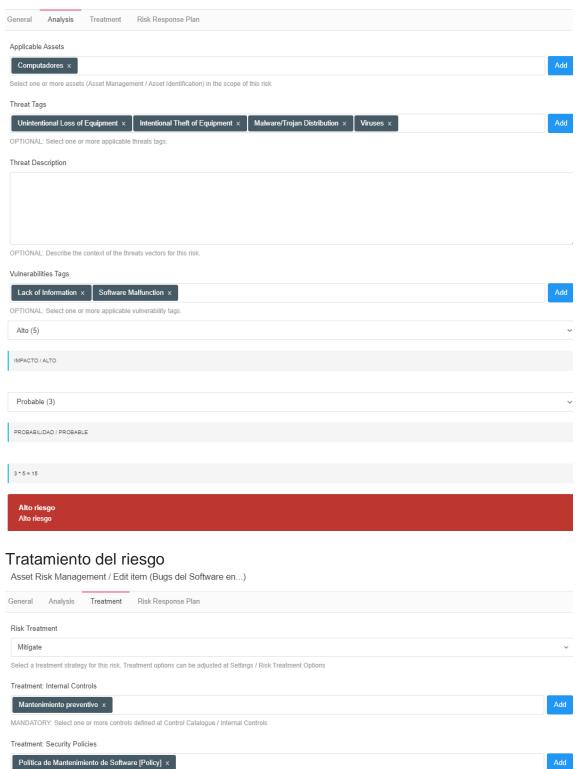
Riesgo 9 General

Asset Risk Management / Edit item (Bugs del Software en...)



Analisis

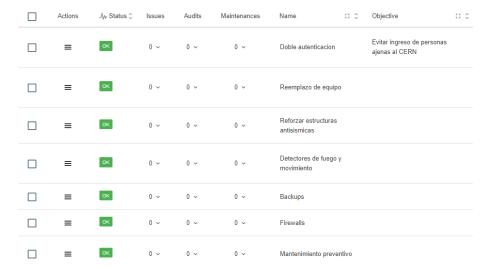
Asset Risk Management / Edit item (Bugs del Software en...)





3.3) Internal Control

Crearemos controles internos para hacer que el impacto del riesgo se reduzca a un nivel aceptable y reducir su impacto y/o su probabilidad



Control 1

General



General

Internal Controls / Edit item (Reemplazo de equipo)

General	Audits	Maintenances		
Name				
Reempl	azo de equi	ipo		
Name for t	his internal c	ontrol (Firewalls, CCTV, Etc).		
Objective				
OPTIONAL	L: Give a brie	of description of what this internal control does.		
Documentation URL				
OPTIONAL	L: Insert the u	url where the documentation for this internal control		
Status				
Product	ion			
		ign are not shown outside this module		
Production	: controls in	production are shown across all system modules		

General

Internal Controls / Edit item (Reforzar estructuras...)

General	Audits	Maintenances			
Name					
Reforza	ır estructura:	s antisismicas			
Name for t	Name for this internal control (Firewalls, CCTV, Etc).				
Objective					
OPTIONAL	L: Give a brie	f description of what this internal control does.			
Document	tation URL				
OPTIONAL	L: Insert the u	ırl where the documentation for this internal control			
Status					
Product	ion				
Design: co	ntrols in desi	gn are not shown outside this module			
		production are shown across all system modules			

General

Internal Controls / Edit item (Detectores de fuego ...)

General	Audits	Maintenances
Name		
Detecto	res de fueg	o y movimiento
Name for t	his internal c	control (Firewalls, CCTV, Etc).
Objective		
OPTIONAL	L: Give a brie	ef description of what this internal control does.
Document	tation URL	
OPTIONAL	L: Insert the	url where the documentation for this internal control is l
Status		
Product	ion	
		ign are not shown outside this module

General

Internal Controls / Edit item (Backups)

General	Audits	Maintenances
Name		
Backup	S	
Name for the	his internal c	ontrol (Firewalls, CCTV, Etc).
Objective		
OPTIONAL	.: Give a brie	ef description of what this internal control does.
Document	tation URL	
OPTIONAL	.: Insert the u	url where the documentation for this internal control
Status		
Product	ion	
		gn are not shown outside this module
Production	: controls in	production are shown across all system modules

General

Internal Controls / Edit item (Firewalls)

General	Audits	Maintenances
Name		
Firewall	ls	
Name for t	his internal c	ontrol (Firewalls, CCTV, Etc).
Objective		
OPTIONAL	L: Give a brie	f description of what this internal control does.
Documen	tation URL	
OPTIONAL	L: Insert the u	url where the documentation for this internal control is lo
Status		
Product	tion	
Design: co	ntrols in desi	gn are not shown outside this module
Production	: controls in p	production are shown across all system modules

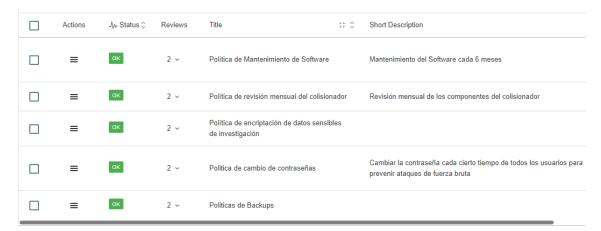
General

Internal Controls / Edit item (Mantenimiento preven...)

General	Audits	Maintenances
Name		
Manteni	imiento prev	ventivo
Name for the	his internal c	ontrol (Firewalls, CCTV, Etc).
Objective		
OPTIONAL	.: Give a brie	of description of what this internal control does.
Document	tation URL	
OPTIONAL	.: Insert the u	url where the documentation for this internal control is
Status		
Product	ion	
		gn are not shown outside this module production are shown across all system modules

3.4) Security Policies

Crearemos políticas cuyo propósito es prevenir los riesgos y así proteger los activos de amenazas internas o externas



Política 1

General

Security Policies / Edit item (Politica de Mantenim...)

General Policy Content Access Restrictions Related Documents

Title

Politica de Mantenimiento de Software

This is usually the title of the policy, for example: "Network Policies".

Short Description

Mantenimiento del Software cada 6 meses

OPTIONAL: Describe the scope of this document

Owner

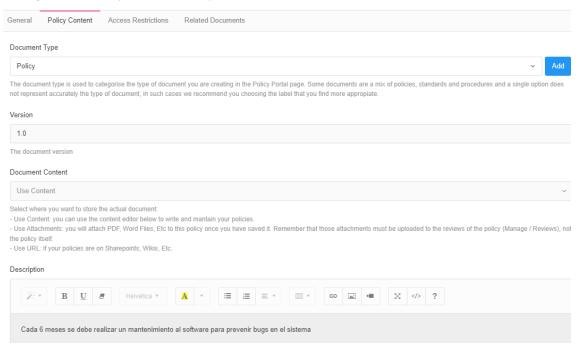
Anton ego (User) × Daniel Casteblanco (User) × Add

Daniel Casteblanco (User) × Daniel Casteblanco (User) × Add

Reviewers are those that are actually responsible for reviewing policies at set intervals. If this is a network policy, then is likely that the reviewers are those that work on that team.

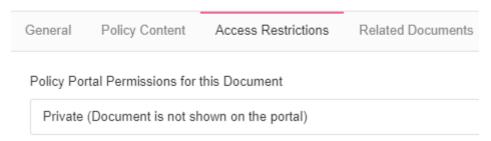
Policy Content

Security Policies / Edit item (Política de Mantenim...)



Access Restrictions

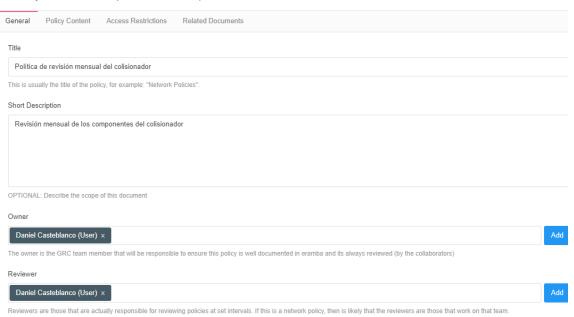
Security Policies / Edit item (Política de Mantenim...)



Política 2

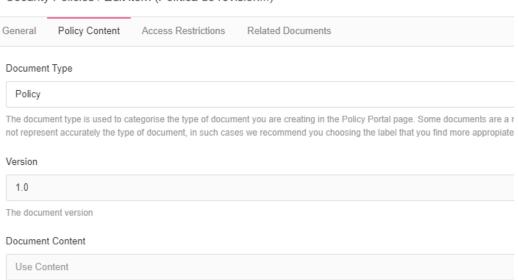
General

Security Policies / Edit item (Política de revisión...)



Policy Content

Security Policies / Edit item (Política de revisión...)



Select where you want to store the actual document:

- Use Content: you can use the content editor below to write and mantain your policies.
- Use Attachments: you will attach PDF, Word Files, Etc to this policy once you have saved it. Remember that those attachments in the policy itself.
- Use URL: if your policies are on Sharepoints, Wikis, Etc.

Description



Access Restrictions

Security Policies / Edit item (Política de revisión...)

General	Policy Content	Access Restrictions	Related Documents				
Policy Po	Policy Portal Permissions for this Document						
Public (Everyone can see the document)							
Política 3							

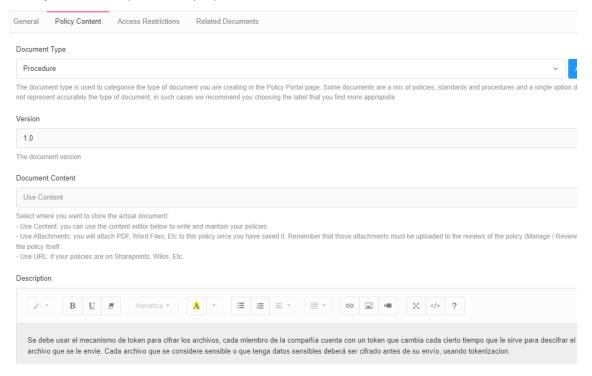
General

Security Policies / Edit item (Política de encripta)					
General	Policy Content	Access Restrictions	Related Documents		
Title					
Política	de encriptación de	datos sensibles de invest	igación		
This is usu	ually the title of the pol	icy, for example: "Network I	Policies".		
Short Des	scription				
OPTIONA	L: Describe the scope	of this document			
Owner					
Anton	ego (User) ×				
The owner	r is the GRC team me	mber that will be responsibl	le to ensure this policy is		
Reviewer					
Anton	ego (User) x				

Reviewers are those that are actually responsible for reviewing policies at set interv-

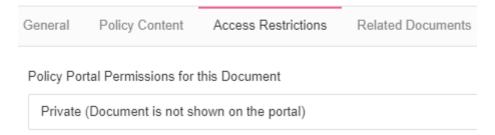
Policy Content

Security Policies / Edit item (Política de encripta...)



Access Restrictions

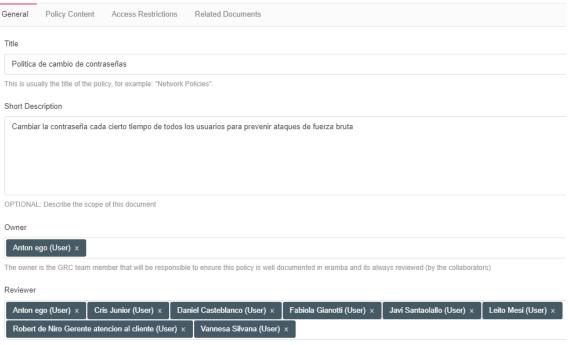
Security Policies / Edit item (Política de encripta...)



Política 4

General

Security Policies / Edit item (Politica de cambio d...)

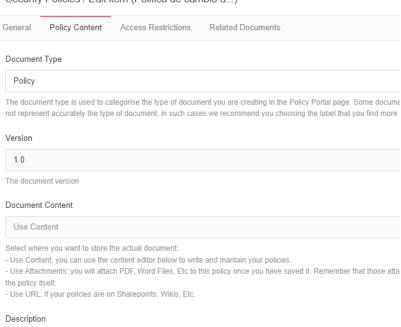


Reviewers are those that are actually responsible for reviewing policies at set intervals. If this is a network policy, then is likely that the reviewers are those that work on that team.

⊜

Policy Content

Security Policies / Edit item (Politica de cambio d...)



Cada 3 meses se deben cambiar las contraseñas, y a su vez deben ser diferentes a cualquier otra usada

Access Restrictions

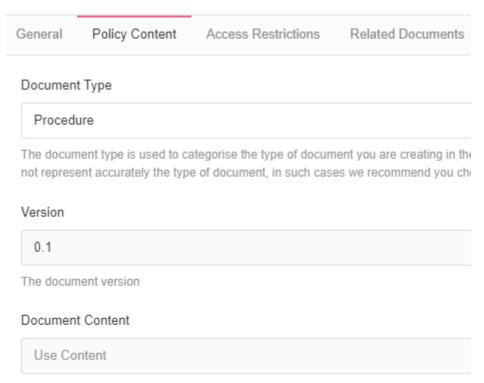
Security Policies / Edit item (Politica de cambio d...)

	,	`	,	
General	Policy Content	Access Restrictions	Related Documents	
Policy Po	rtal Permissions for	this Document		
Private	(Document is not s	hown on the portal)		
Política 5				
General				
Security	Policies / Edit i	tem (Politicas de Ba	ckups)	
General	Policy Content	Access Restrictions	Related Documents	
Title				
Politicas	de Backups			
This is usually the title of the policy, for example: "Network Policies".				
Short Description				
OPTIONAL	: Describe the scope	of this document		
Owner				
Daniel (Casteblanco (User)	x		
The owner	is the GRC team me	mber that will be responsible	e to ensure this policy is	
Reviewer				
Daniel (Casteblanco (User)	×		

Reviewers are those that are actually responsible for reviewing policies at set interval

Policy Content

Security Policies / Edit item (Politicas de Backups)



Select where you want to store the actual document:

- Use Content: you can use the content editor below to write and mantain your policie
- Use Attachments: you will attach PDF, Word Files, Etc to this policy once you have : the policy itself.
- Use URL: if your policies are on Sharepoints, Wikis, Etc.

Description



Access Restrictions

Security Policies / Edit item (Politicas de Backups)

General	Policy Content	Access Restrictions	Related Documents			
Policy Po	Policy Portal Permissions for this Document					
Private	Private (Document is not shown on the portal)					

5. Conclusiones

Para poder realizar una efectiva gestión de riesgos se debe conocer que se tiene, es decir se debe conocer con que activos cuenta la organización, así se pueden realizar estudios para determinar que vulnerabilidades, amenazas y riesgos existen. Luego de esto podremos implementar políticas para prevenir futuros riesgos, u controles para mitigar los riesgos hasta un nivel aceptable y que no produzca un gran impacto en la organización.