

RACI Matrix



Responsible

Accountable

Consulted

Informed

Team \ Tasks	Lorenzo Matilla	Alexandre Catala	Tanguy Cailleaux	Théo Pasqualini	Louis Vernanchet
Gantt	Consulted	Responsible	Consulted	Consulted	Accountable
Requirements Collection	Consulted	Accountable	Consulted	Consulted	Responsible
Project Charter	Accountable	Responsible	Consulted	Consulted	Responsible
RACI Matrix	Consulted	Accountable	Consulted	Consulted	Responsible
WBS	Consulted	Responsible	Consulted	Consulted	Accountable
OBS	Consulted	Accountable	Consulted	Consulted	Responsible
Risk Analysis	Consulted	Responsible	Consulted	Consulted	Accountable
EBIOS RM	Consulted	Responsible	Accountable	Consulted	Responsible
Identify system requirements for personnal and enterprise firewall fonctionnalités	Responsible	Accountable	Responsible	Consulted	Informed
Allocate VMs and school cluster resources for development and testing	Consulted	Responsible	Accountable	Responsible	Consulted
Study landlock LSM and syscalls interception	Responsible	Consulted	Responsible	Accountable	Informed
Investigate Kubernetes deployment strategies for entreprise scalling	Accountable	Responsible	Consulted	Informed	Responsible
Explore Landlock's capabilities for file and network control	Consulted	Informed	Responsible	Responsible	Accountable
Research syscalls interception using BPF	Responsible	Informed	Responsible	Accountable	Consulted
Implement syscall interception for unknowen binaries	Accountable	Consulted	Informed	Responsible	Responsible
Enable dynamic rule application based on user input (allow/deny)	Consulted	Accountable	Responsible	Informed	Consulted
Store and manage rules in database	Responsible	Informed	Responsible	Consulted	Accountable
Test sandbox with common linux applications	Informed	Consulted	Accountable	Responsible	Consulted

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Validate rule enforcement against real-world scenario (file access, network connections)					
Prepare presentation for sandbox prototype					
Collect feedback from testers and professors					
Design basic WEB UI prototype					
Develop the web interface using a framework to display essential features					
Develop a database for rules using Rust					
Write a short manual explaining how to use the interface rule management					
design of centralized rule management system					
Define stucture for creating global and local rules					
Determine methods for secure rule propagation to SuperNanny posts					
Implement control plane for monitoring SuperNanny posts					
Test rule distribution across multiple endpoints					
Set up mechanisms for the distributions rules					
Allow admin to define security rules					
Develop scripts that allow Master to connect, can apply rules					
Local tests to ensure the Master can apply rules on remote machines					
Deploy master and the SuperNanny machines on Kubernetes					

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Ensure that the master can communicate with multiple SuperNanny machines deployed on Kubernetes	Informed	Consulted	Accountable	Consulted	Responsible
Configure the school's server to add our kubernetes configuration	Responsible	Responsible	Consulted	Accountable	Consulted
Verify that the Master can enforce rules on multiple machines in parallel	Accountable	Consulted	Responsible	Consulted	Informed
Write a guide for deploying and managing the solution in a Kubernetes solution	Consulted	Informed	Accountable	Consulted	Responsible
Verify that each system component is fully operational	Responsible	Accountable	Consulted	Responsible	Informed
Analyze scalability tests and adjust Kubernetes configurations if needed	Informed	Responsible	Consulted	Accountable	Consulted
Reevaluate the security rules and their application across endpoints	Consulted	Accountable	Informed	Responsible	Consulted
Provide additional support for the deployment of Master and SuperNanny	Responsible	Consulted	Accountable	Informed	Consulted
Adjust connection scripts and validate communications between components	Consulted	Responsible	Informed	Consulted	Accountable
Update the Kubernetes deployment guide with final adjustments	Accountable	Consulted	Consulted	Informed	Responsible
Add best practices and lessons learned during the implementation phase	Responsible	Informed	Consulted	Accountable	Consulted