RACI Matrix

Responsible | **Accountable** | **Consulted** | **Informed**

Team / Tasks	Lorenzo Matilla	Alexandre Catala	Tanguy Cailleaux	Louis Vernanchet	Frederic Paillart	Jessica giacobi
Gantt						
Requirements Collection						
Project Charter						
RACI Matrix						
WBS						
OBS						
Risk Analysis						
EBIOS RM						
Identify system requirements for personnal and enterprise firewall functionnalities						
Allocate VMs and school cluster resources for development and testing						
Study landlock LSM and syscalls interception						
Investigate Kubernetes deployment strategies for entreprise scalling						
Explore Landlock's capabilities for file and network control						
Research syscalls interception using BPF						
Implement syscall interception for unkonown binaries						
Enable dynamic rule application based on user input (allow/deny)						
Store and manage rules in database						

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

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