

# RunSafe's Risk Reduction Analysis

Gain insight into your embedded software's exposure to memory-based zero-days and CVEs with RunSafe's Risk Reduction Analysis—assessing your vulnerabilities and potential risk reductions with applied protections.

## Example Risk Reduction Analysis for Yocto 4.0.9 Core Image Minimal

		Exposure	Prevention		
Memory Vulnerability Type	Zero Day	<b>Zero Day Exposure</b> Potential Exploits: 1.6m		<b>Zero Day Risk Reduction</b> Exploit Prevention: >98.28%	
		Remote Command Execution	Yes		>99.73%
		Remote File System Manipulation	Yes		>99.75%
		Local File System Manipulation	Yes		>97.55%
		Local Manipulation, Indirect PrivEsc	Yes		>96.08%
		Limited System Manipulation	Yes		>91.78%
	CVEs	<b>CVE Exposure</b> Date of SBOM Analysis: 12/12/2024		<b>CVE Risk Reduction</b>	
Total Vulnerabilities		100% (47/47)			
Memory Safety Related Vulnerabilities		41% (24/47)	Memory Safety Reduction	100%	
Critical/High Vulnerabilities		49% (23/47)	Critical/High Risk Reduction	52%	
		<b>Before</b>	<b>After</b>		
<b>RunSafe Applied</b> 					