## SOC Analyst Simulation

Enterprise Incident Response Worksheet (Grades 9-12)

Name:				Date:	
Role:			Team:		
Mission Briefing					
Organization: Tech	Corp Indus	stries (2,500 er	nployees, hybrid	d cloud)	
Your Role: SOC Te	eam, 7AM-5	3PM shift			
Alert: SentinelAI ha	as flagged C	CRITICAL alei	ts requiring hu	man analysis a	nd authorization.
Phase 1: Initial 7	Triage (10	) minutes)			
Evidence Package	• (	,			
My assigned evide   E: Business	nce packa	ge: [] A: Net	work [] B: Auth	n [] C: Endpoir	nt [] D: Threat Intel [
Key indicators I id	dentified:				
	Indicator	Significance	MITRE ATT	&CK Mapping	
Initial assessment:					
SentinelAI Consul	tation				
Query submitted:					
AI analysis summa	ary:				

Confidence level:	$\_\%$ Limitations acknowledged:	
Critical Decision: End	lpoint Isolation	
SentinelAI recommend	ds: Full isolation of 47 manufacturing workstatic	ons
Business impact:		
Risk if delayed:		
My recommendation:	$[\ ]$ Full isolation $[\ ]$ Partial $[\ ]$ Monitor only	
Rationale:		
-		
Phase 2: Analysis ar	nd Scoping (15 minutes)	
Attack Timeline Cons	truction	
	Time Event Source Significance	
	Time Event Source Significance	
Attack Chain Analysis	S	
Initial Access:		
_		
Execution:		
_		
Persistence:		
-		
Lateral Movement:		
-		
Collection/Exfiltration	n:	
-		

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Scope Asse	essment					
Patient Zei	:o:					
Attack Vec	tor:					
Systems Co	ompromised:					
Data at Ris	sk:					
			Medium [] Low			
Likely Thre	eat Actor:					
Phase 3: 1	Response Ex	xecution (1	5 minutes)			
Critical De	ecisions Matr	·ix				
Decision	Options	AI Input	Business Impact	Our Choice	Rationale	=
Endpoint Isolation Network Segmentation Credential Reset Law Enforcement Executive Escalation	Full/Partial/None Activate/Monitor Immediate/Scheduled Notify/Wait Now/After containment					_
Complication Compl	on Managem	nent				
_						
					-	
Adapta	ation:					
Complicati	on #2:					
• Event:						
• Impact	t on plan: $_{}$					
• Adapta	ation:					

## Phase 4: Communications (10 minutes)

**Executive Flash Report** 

 $\mathbf{TO} \text{:}\ \mathrm{CEO},\ \mathrm{CISO}\ \mathbf{FROM} \text{:}\ \mathrm{SOC}\ \mathrm{Team}\ \mathbf{RE} \text{:}\ \mathrm{Security}\ \mathrm{Incident}\ \text{-}\ \mathrm{CRITICAL}$ 

**Summary:** 

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Current Status:	
Business Impact:	
Immediate Actions Tal	œn:
Next Steps:	
Operations Notification	n Draft
TO: Manufacturing VP F	tE: System Availability
Phase 5: After-Action	n Review
AI Partnership Evalua	tion
Where SentinelAI exce	elled:
Where human judgmen	nt was essential:
Decisions where AI an	d humans disagreed:
How we resolved disag	
Individual Role Reflect	
My contribution to tea	un response:

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Skills I used from my Work Role:	
What I would do differently:	
Career Connection  This simulation relates to these NICE Framework Work Roles:	
Required certifications for these careers:	
What interested me most about this work:	
Questions I have about SOC careers:	

From "True Teamwork: Building Human-AI Partnerships" — NICE K12 2025 Dr. Ryan Straight,

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