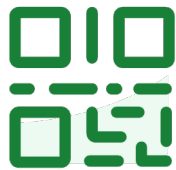



Incident Response Plans





Join at slido.com
#3418410

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Your Presenters



Ken Michael has spent four decades building Dox Electronics into a fortress against cyber threats. A stack of security certifications proves he knows how to keep businesses safe—though some say he just enjoys making auditors nervous.

When night falls, Ken trades firewalls for camera lenses. He's usually out taking photos of the dark, which makes sense—his best shots are the ones where absolutely nothing can be seen. Some people chase the light; Ken prefers to hunt the shadows.



Bill Weber has spent decades turning complex security problems into workable plans for enterprises, defense programs, and anyone brave enough to ask for help. A career CISO, he's navigated compliance minefields, government audits, and the occasional corporate meltdown—usually without setting the building on fire.



agenda

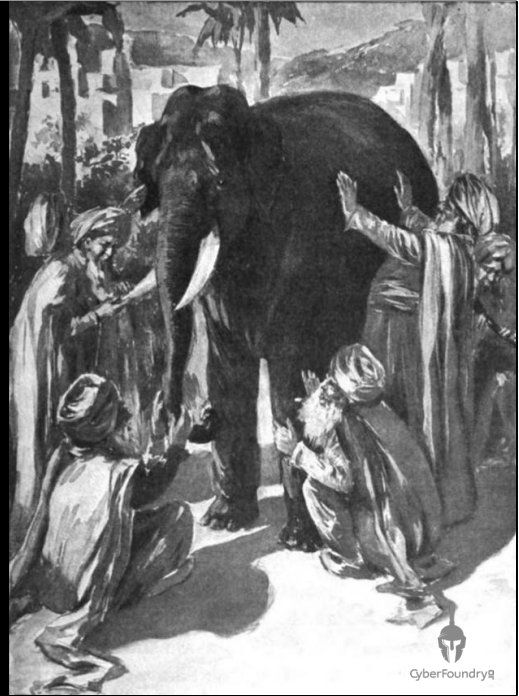
Part 1 – Understanding the IRP

Part 2 – Tabletop Exercise

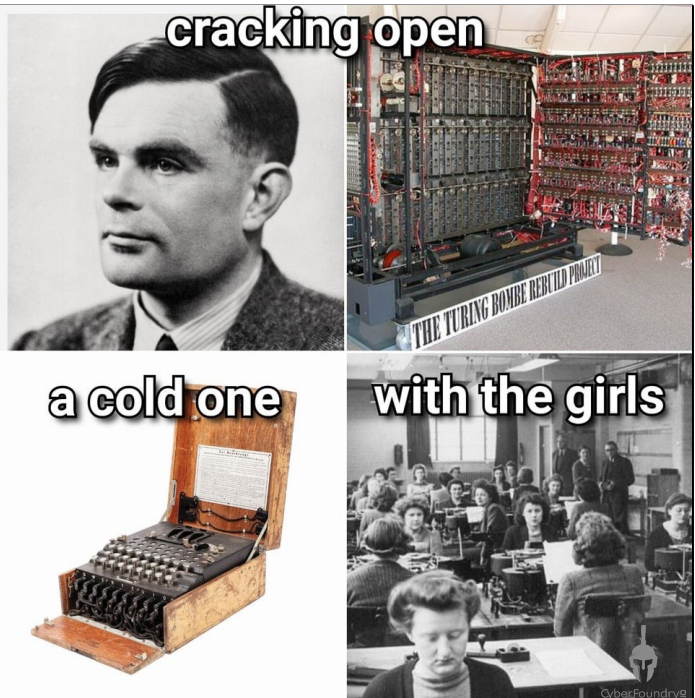


Part 1

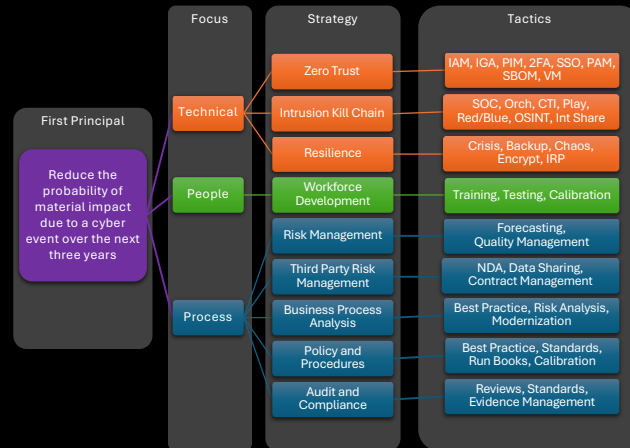
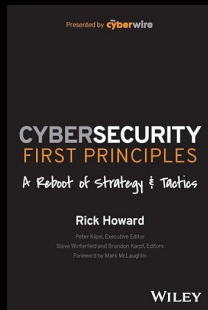
Understanding the Incident Response Plan



First Principals



First Principles



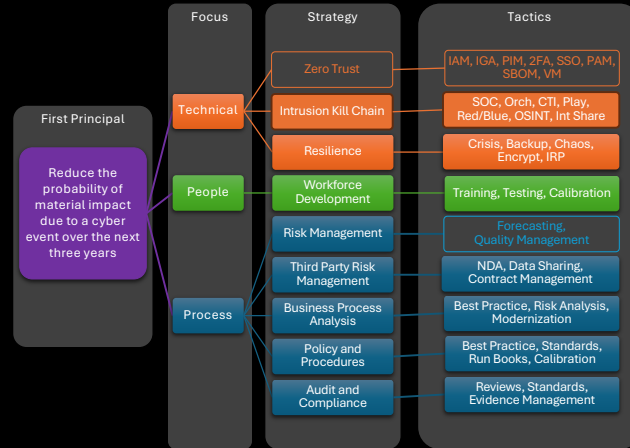
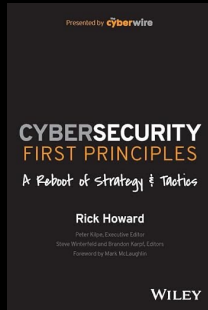
The First Principle of Cybersecurity is

“Reduce the probability of material impact due to a cyber event over the next three years”

- Rick Howard



First Principles



The **First Principle of Cybersecurity** is

“Reduce the probability of material impact due to a cyber event over the next three years”

- Rick Howard




What does an
incident look like?





**When you hear “cyber Incident”,
what’s the first think you think of
loosing?**

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So, What Qualifies as an Incident?

This is not an IT problem.

This is a **\$X/day production loss**, **\$Y in contractual penalties**, and **risk to \$Z in long-term revenue** if compliance is breached.

Operational Loss

Factory Shutdown → every day offline = \$X in lost production.

Example: *"Ransomware stops the plant floor for 3 days. At \$500K/day output, the material loss is \$1.5M before recovery costs."*

Financial Loss

Direct costs: ransom demand, forensics, legal fees, overtime.

Indirect costs: penalties for missed SLAs, lost contracts.

Example: *"We missed a shipment to a Tier 1 supplier, triggering a \$250K contractual penalty."*

Data & IP Loss

Loss of proprietary designs, formulas, or trade secrets.

Exposure of customer or regulated data → regulatory fines.

Example: *"Exfiltration of controlled technical data could trigger DFARS/CMMC noncompliance — risk to \$20M in DoD contracts."*

Reputational Loss

Customers lose confidence, stock dips, trust erodes.

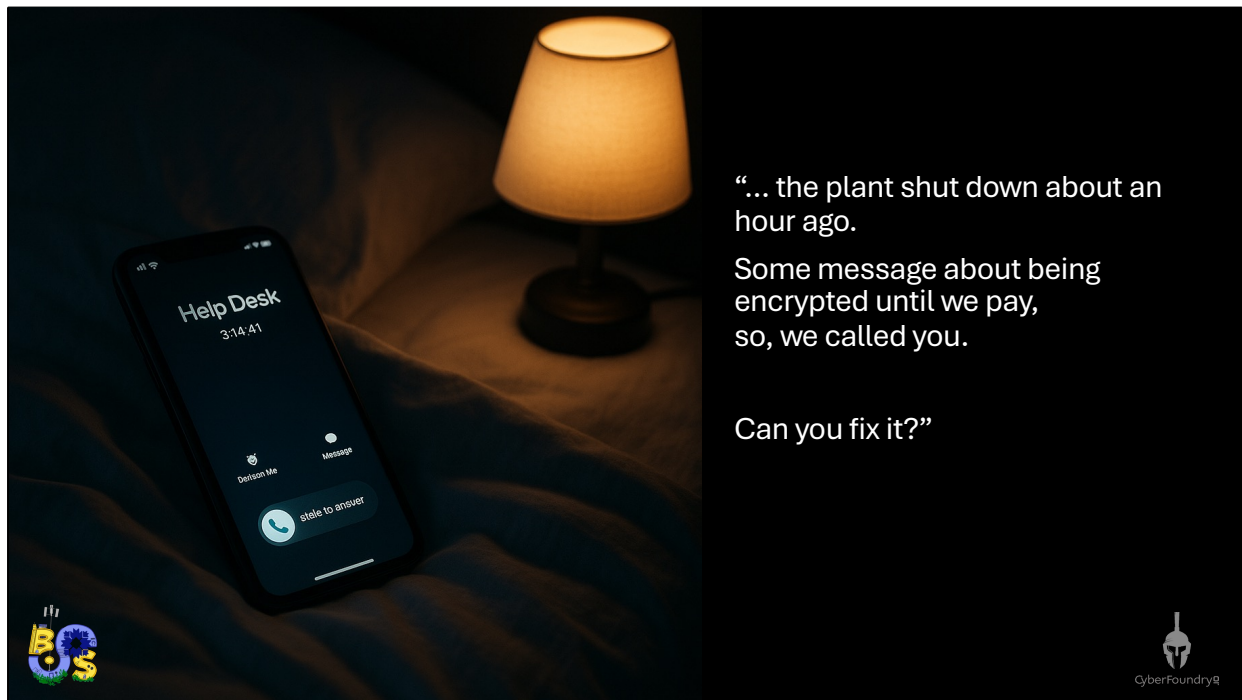
Example: *"Downtime during peak season made headlines, cutting our share price by 3% — \$45M in market cap."*

Compliance / Legal Loss

Fines from GDPR, HIPAA, SEC, FTC.

Example: *"PII breach of 50,000 customers → potential \$2M state AG settlement."*





“... the plant shut down about an hour ago.

Some message about being encrypted until we pay, so, we called you.

Can you fix it?”

MITRE | ATT&CK®

What does an attack look like?

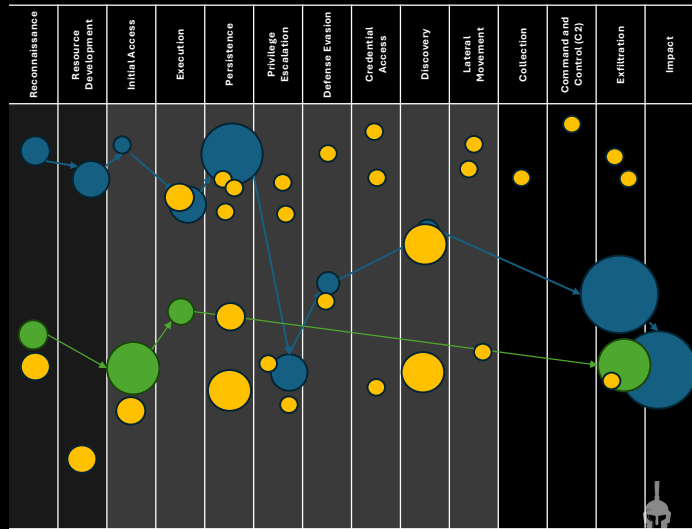
- can you identify the modus operandi (MO) for each of the attacks?
- which one would be the hardest to defend against?



<https://attack.mitre.org>



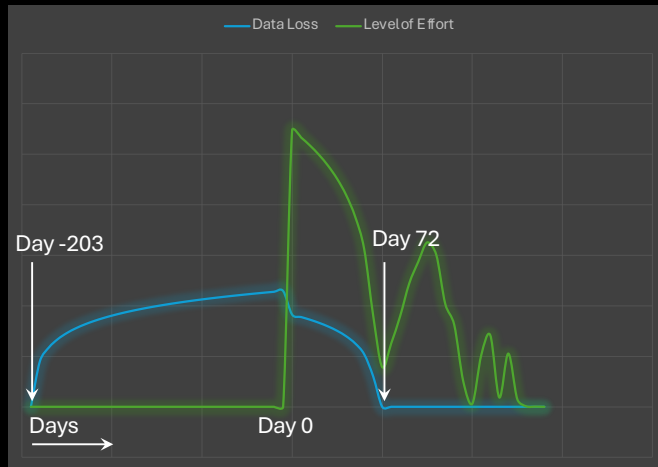
<https://www.cyberfoundry.io/wp-content/uploads/2024/05/MITRE-ATTACK-Frequency-Analysis.xlsx>



CyberFoundry®

When do losses occur?

Hypothetical example based on Ponemon Study



What is an incident response plan?



The Standards



For Industry,
Government, and
Organizations to Reduce.
Cybersecurity Risks

NIST

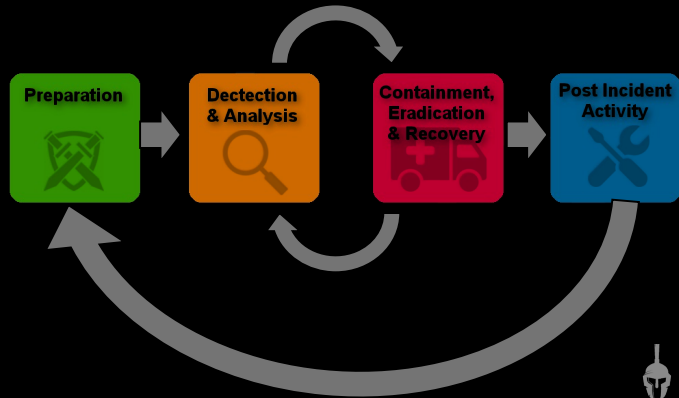
Cybersecurity Framework 2.0



Industry Standard Cyber Incident Response Cycle

NIST

Computer Security Incident Handling Guide
NIST SP800-61r2



The Cyber Foundry IRP



Anatomy of an IRP

Technical IRP

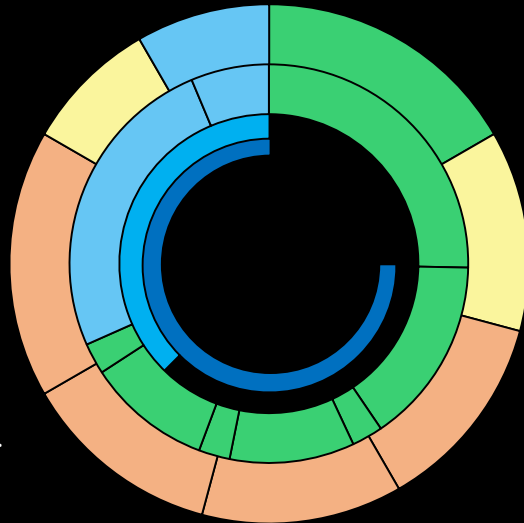
Put the fire out.

Executive IRP

Decide which building to save first.

Crisis Management Plan

Explain to the city why the neighborhood is on fire.



The Characters



Cast of Characters

R Responsible
A Accountable
S Stakeholder
C Consulted
I Informed

	TIRP	EIRP	CMP
Incident Commander	A/R - Declares Incidents, Owns Coordination, Makes Technical Decisions	A/R - Bridges Business Risk to Technical Plan, Prioritizes Service Recovery, Provide TIRP Status	S - Provides CS Status
SOC/IRT	R - Detect, analyze, contain, eradicate. Root Cause Analysis	I - Informed of decisions that affect TIRP	I - Informed of. Decisions that affect TIRP
IT/Business	S/R - Supports containment, restores systems	I - Provides IT status	I - Provide IT Status
General Council / Crisis Manager	C - Advice on evidence handling.	C/R - Ensure compliance, manage disclosure obligations.	A/R - Manage regulators, law enforcement, insurers; preserve privilege.
Executive Sponsor	I - Briefed on process and outcome	A/R - Make risk and continuity decisions.	S - Support crisis comms and continuity decisions.



Incident commander

- Owns and makes all decisions regarding the technical response to the incident
- Supports the executive and crisis management teams
- Keeps the swim lanes separate



SOC / IR Team

- Leads the implementation of the technical incident response plan steps under leadership of the incident commander.
- Collaborates with the other teams to execute and validate changes in the environment.



IT / Business Support

- Leads changes to the IT environment necessary to contain, eradicate and recover from an incident.
- Closest to the business impact and the users.



Executive Sponsor

- Responsible for engagement of the Senior Leaders and for their actions to reduce the impact once a loss occurs.



General Council Crisis Manager

- Responsible for maintaining attorney client privilege over all evidence.
- Responsible for communicating with regulators, law enforcement, insurers, investors and the media.
- Enforce separation of duties.



Technical IRP

Objectives

- Rapid Detection & Assessment
- Effective Containment & Mitigation
- Eradication & Recovery
- Learning & Improvement



Technical Incident Response Plan Process



Preparation – Build the people, processes, and tools you’ll need before an incident strikes.

Detection & Analysis – Identify and validate that an event is happening, and assess its scope and impact.

Containment – Limit the damage by isolating affected systems and preventing further spread.

Eradication – Remove the attacker’s foothold, malware, and vulnerabilities from the environment.

Remediation – Fix the root causes that allowed the incident, strengthening defenses against recurrence.

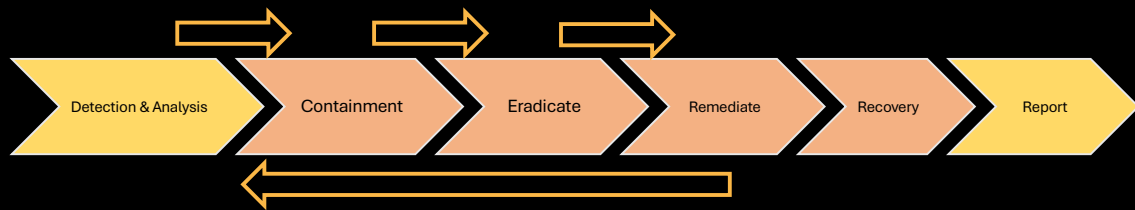
Recovery – Restore systems and business operations to normal, carefully and securely.

Report – Document what happened, what actions were taken, and communicate to stakeholders.

Calibration – Refine and improve the IR plan through lessons learned and regular exercises.



Gates. & Continuous Validation



Every Phase has an Entry set of Actions and an Exit set of Criteria.

If these Gates are found to not have been completed, then action must go back to the previous phase.

Examples:

- The Detection & Analysis phase indicated an incomplete scope which was later detected during Eradication.
- The Eradication phase missed an impacted system which was later detected during Recovery.
- An Indicator of Compromise (IOC) was identified in the Containment phase but not acted on. This was detected when writing up the final report.



Phase Gates

TIRP Phase	Incoming Gate	Exit Gate
Preparation	<ul style="list-style-type: none"> - IRP approved and current - Contact list and escalation paths validated - Tools / Playbooks tested and available 	<ul style="list-style-type: none"> - Team trained and exercised - Baseline monitoring in place - Evidence handling procedures documented
Detection & Analysis	<ul style="list-style-type: none"> - Monitoring / logging active - Incident criteria (classification matrix) ready 	<ul style="list-style-type: none"> - Incident ticket created with initial classification - Scope defined and validated - Do we know enough to move into containment?
Containment	<ul style="list-style-type: none"> - Confirmed incident scope - Stakeholders notified and potential operational impacts identified - Incident Response Plan initiated via Incident Commander 	<ul style="list-style-type: none"> - Systems isolated, blocked, or segmented as defined - Containment effectiveness validated
Eradication	<ul style="list-style-type: none"> - Confirmed containment in place - Known attack artifacts catalogued 	<ul style="list-style-type: none"> - Malicious artifacts removed or neutralized - Systems patched / vulnerabilities remediated - Independent validation scan / forensic check completed
Recovery	<ul style="list-style-type: none"> - Eradication confirmed successful / no active compromise remains - Recovery procedures tested in staging (if possible) 	<ul style="list-style-type: none"> - Systems restored and validated operationally - Monitoring intensified to detect reoccurrence - Stakeholders notified of recovery status
Reporting	<ul style="list-style-type: none"> - Incident records complete (investigation log, eradication, recovery evidence) - Legal / regulatory obligations identified 	<ul style="list-style-type: none"> - Notifications filed (internal, external, regulatory) - Root Cause Analysis (RCA) drafted - Incident formally closed
Calibration / Lessons Learned	<ul style="list-style-type: none"> - Incident report available - Stakeholders scheduled for review session 	<ul style="list-style-type: none"> - Root Cause Analysis finalized - Lessons Learned documented and distributed - IRP/Playbooks updated / training & exercises planned or revised



Run Books vs. Procedures

Run Books

Scenario-specific playbook that stitches together multiple procedures into an end-to-end response workflow for a particular incident type.

- Scenario Based (e.g. Ransomware infection)
- Guides responder through the entire IRP Plan
- Contains conditional logic focusing on the full recipe

Examples:

- Ransomware IRP Playbook
- Lost laptop IRP Playbook



Procedures

Generic, reusable blocks that describe how to perform a specific task or operation in a consistent, repeatable way.

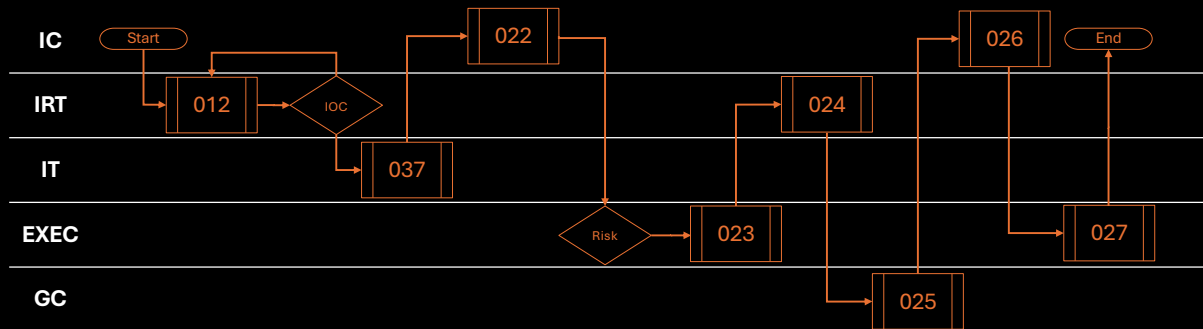
- Narrow and task-focused
- Standardized reusable build blocks
- Step-by-step, tool specific

Examples:

- Change User Password
- Erase and Image a Laptop Image



Run Books vs. Procedures Example

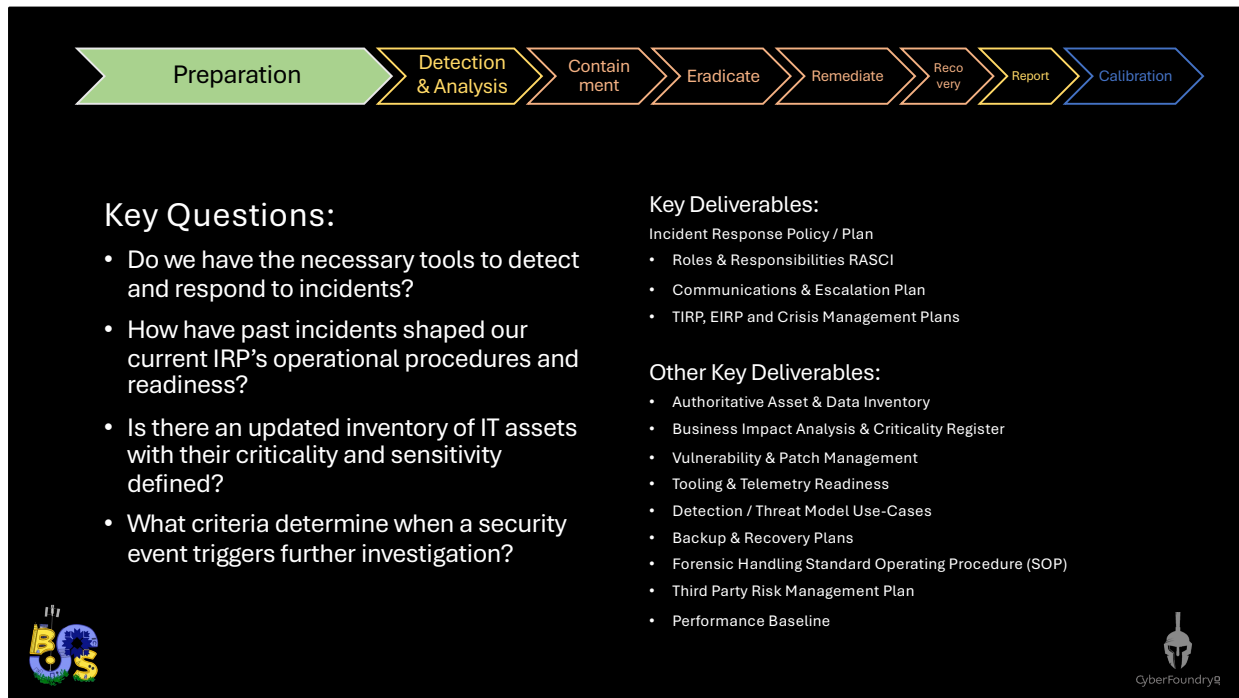


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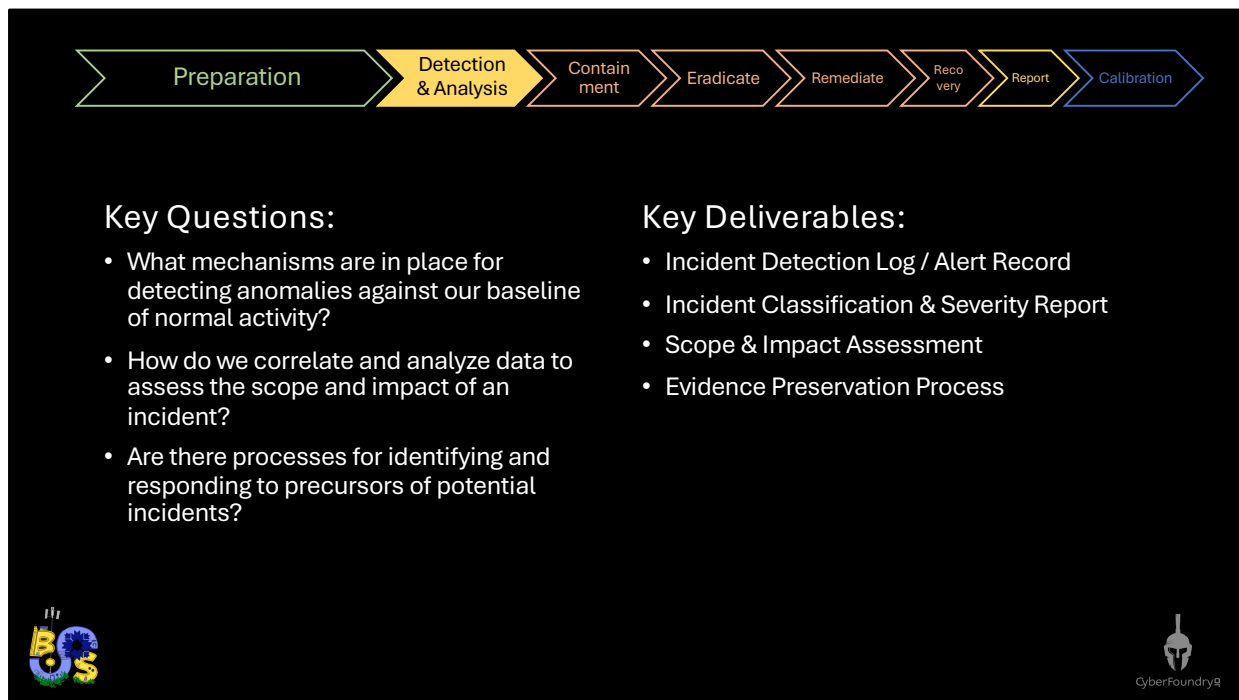


Preparation

Technical responders should ensure the organization has both the tools and processes necessary to detect and respond to incidents effectively. Preparation requires making deliberate investments not only in detection and response capabilities, but also in the supporting infrastructure and procedures that will be used throughout the incident response lifecycle. A complete IRP should document these capabilities and translate them into operational procedures that can be executed under pressure. Your role in the EIRP preparation phase is to register risks appropriate to your environment, prioritize investments that close identified gaps, and ensure the IRP can be executed efficiently. Insights from past incidents and lessons learned from tabletop exercises provide critical feedback in assessing readiness and strengthening future preparation.

- Compiling an inventory of IT assets, their importance, and sensitivity. (asset management - inventory)
- Establishing a baseline of normal activity for monitoring purposes. (behavioral analysis)
- Determining which security events warrant further investigation. (risk management - sensitivity analysis)

- Creating detailed response steps for common types of incidents. (policy & procedure - playbooks)



Detection & Analysis

During the detection and analysis phase, technical responders must ensure that the organization has the visibility and processes required to distinguish normal activity from anomalous behavior. This phase depends on both the quality of monitoring investments and the discipline of correlating and triaging alerts to assess their scope, impact, and severity. A mature IRP provides the playbooks and criteria necessary to validate potential incidents, escalate them appropriately, and preserve the evidence required for further response. Your role is to ensure that the TIRP defines how anomalies are detected, how data is analyzed and enriched, and how escalation thresholds are applied consistently. The accuracy and timeliness of detection are often shaped by lessons learned in prior incidents and table-top exercises, which provide critical insight into both detection gaps and opportunities for improved analysis.

Detection Coverage & Sources

What event sources feed into our monitoring (EDR, SIEM, IDS, vulnerability scans, logs), and how do we validate their completeness?

Do we have visibility across endpoints, networks, cloud, SaaS, and third-party integrations?

Triage & Prioritization

How do we validate whether a detected anomaly is a false positive or true incident?

What criteria (e.g., criticality of systems, data sensitivity, threat intelligence context) drive incident severity classification?

How quickly must triage be completed, and who is authorized to make that call?

Correlation & Enrichment

How do we integrate external threat intelligence (IOCs, TTPs) into analysis?

Do we enrich events with context (asset ownership, business criticality, ATT&CK mappings) before escalation?

How do we ensure correlations don't over- or under-scope the incident?

Notification & Escalation

What is the defined threshold for escalating a "security event" into a declared "incident"?

Who must be notified once an incident is confirmed (internal RASCI chain, regulators, insurance, law enforcement)?

Tooling & Automation

Are our detection systems tuned (rules, models, signatures) to reduce alert fatigue?

What automated playbooks (n8n, SOAR, MCP workflows) are in place to assist triage?

Evidence Handling

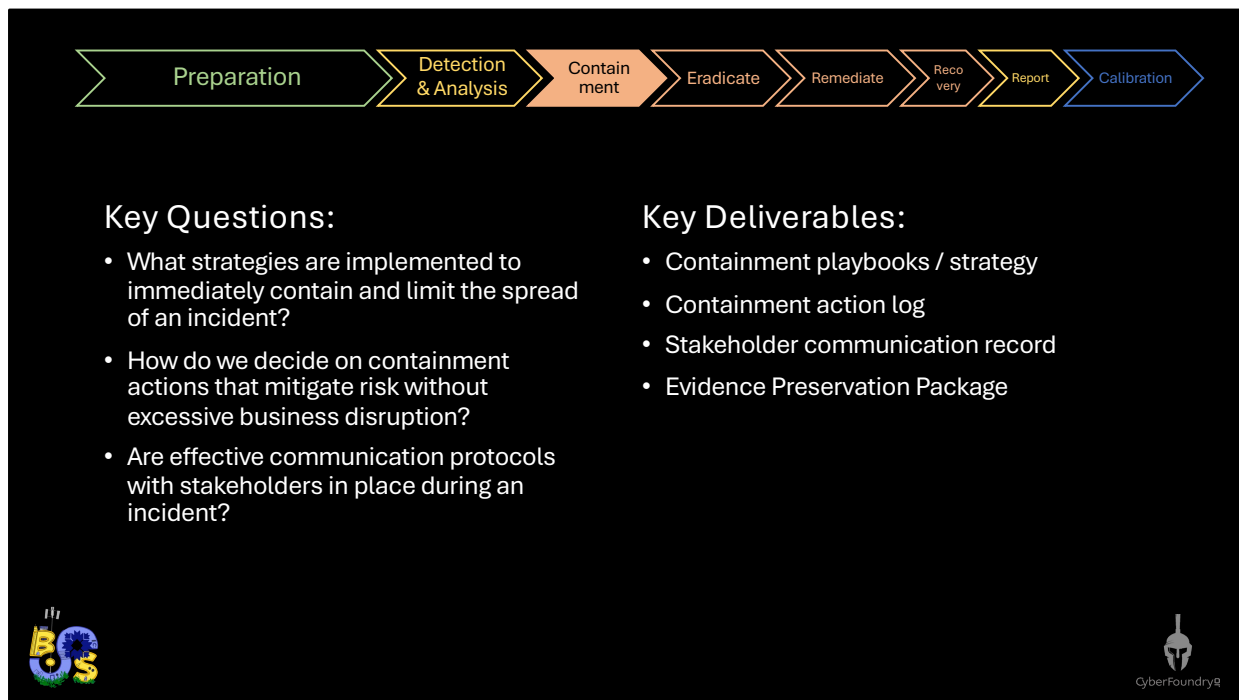
How is forensic evidence (logs, memory, disk images) collected, preserved, and protected for later analysis or legal action?

How do we avoid contaminating evidence while still responding quickly?

Continuous Improvement

How do we measure mean time to detect (MTTD) and mean time to analyze (MTTA)?

Are lessons from prior incidents feeding back into tuning detection and analysis processes?



Containment

During the containment phase, technical responders must act decisively to prevent further damage while preserving the integrity of systems and evidence. This requires having pre-defined strategies that balance the urgency of isolating affected assets with the need to minimize unnecessary business disruption. Effective containment is not only about executing technical measures, but also about ensuring clear communication with stakeholders so that decisions are understood, authorized, and documented. The deliverables from this phase — including playbooks, action logs, communication records, and preserved evidence — demonstrate that containment actions were deliberate, proportionate, and traceable. Lessons learned here feed directly into refining both tactical playbooks and long-term containment strategies for future incidents.

What strategies are prepared to immediately contain and limit the spread of an incident?

Deliverable: Containment Playbooks / Strategy Matrix

Pre-approved short-term and long-term containment options for different incident types (e.g., isolate host, disable account, block traffic). Ensures

responders act quickly and consistently under pressure.

How do we decide on containment actions that mitigate risk without excessive business disruption?

Deliverable: Containment Decision Log

A documented record of containment options considered, decisions taken, and the rationale for each. Demonstrates that actions balanced business impact against risk reduction.

Are effective communication protocols with stakeholders in place during an incident?

Deliverable: Stakeholder Communication Record

Documented timeline of who was notified, when, and through what channel (executives, legal, regulators, vendors). Proves that escalation and communications were performed according to plan.

Who has the authority to approve and execute containment actions?

Deliverable: Containment Authority Register

A record of the individuals/roles authorized to approve specific containment steps. Ensures decisions are properly governed and traceable.

How do we preserve forensic evidence while executing containment?

Deliverable: Evidence Preservation Checklist

Checklist confirming logs, disk images, and volatile memory were captured before systems were isolated, wiped, or otherwise modified. Maintains evidentiary integrity for later analysis.

What isolation methods are available and have they been applied effectively?

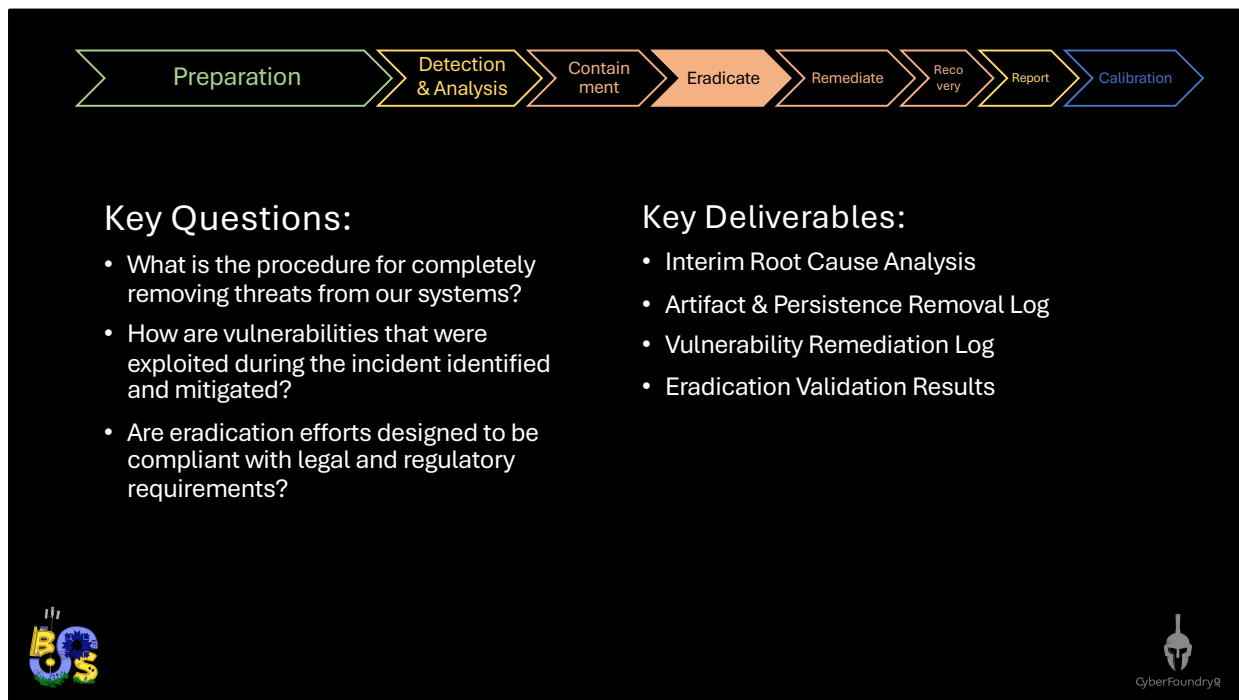
Deliverable: Isolation Action Report

Detailed record of the technical containment measures executed (host isolation, network segmentation, account disables). Includes timestamps and verification of effectiveness.

What indicators confirm that containment was successful?

Deliverable: Containment Effectiveness Report

Evidence from monitoring and validation that the incident's spread has been stopped. Demonstrates that containment achieved its intended effect.



Eradication

In the eradication phase, the technical team shifts from containing the incident to removing the underlying cause and eliminating any malicious artifacts. While much of this work is highly technical, it should also result in an eradication strategy that informs the decisions you will make in the remediation phase. For example, the recommendation may be to act conservatively by decommissioning or rebuilding compromised assets to ensure the integrity of core services. These decisions often involve trade-offs: aggressive eradication may speed recovery but limit the ability to retain evidence or perform forensic analysis that could strengthen the root cause investigation. Business leadership should weigh these considerations carefully, as the pace and scope of eradication directly affect resilience against both the current threat and future incidents. In addition, this is the point at which legal and compliance obligations should be revisited—breach notification, regulatory reporting, or contractual requirements may require steps beyond the technical team’s scope and must be factored into the eradication plan.

What is the confirmed root cause of the incident?

Deliverable: Root Cause Analysis Report (Interim)

A preliminary report documenting the attack vector, exploited vulnerability, or misconfiguration. Links evidence to the identified root cause to guide remediation.

What malicious artifacts, persistence mechanisms, or unauthorized accounts must be removed?

Deliverable: Artifact & Persistence Removal Log

A detailed log of eradication actions — malware deletion, registry key cleanup, rogue account disablement, token/session revocation. Ensures each removal is verified and traceable.

Have all affected systems been identified, remediated, and cleaned?

Deliverable: System Remediation Checklist

A system-by-system record confirming that each impacted host or service has been examined and cleaned. Prevents overlooked compromised assets.

How are vulnerabilities or misconfigurations that enabled the incident being corrected?

Deliverable: Vulnerability Remediation Report

Documentation of patches, config changes, or other corrective actions applied during eradication. Provides evidence that weaknesses have been addressed.

What forensic evidence must be preserved before eradication actions are taken?

Deliverable: Forensic Evidence Collection Record

A record showing that logs, images, and other artifacts were preserved before systems were wiped, rebuilt, or modified. Maintains chain of custody for legal and investigative use.

What criteria will confirm that eradication is successful?

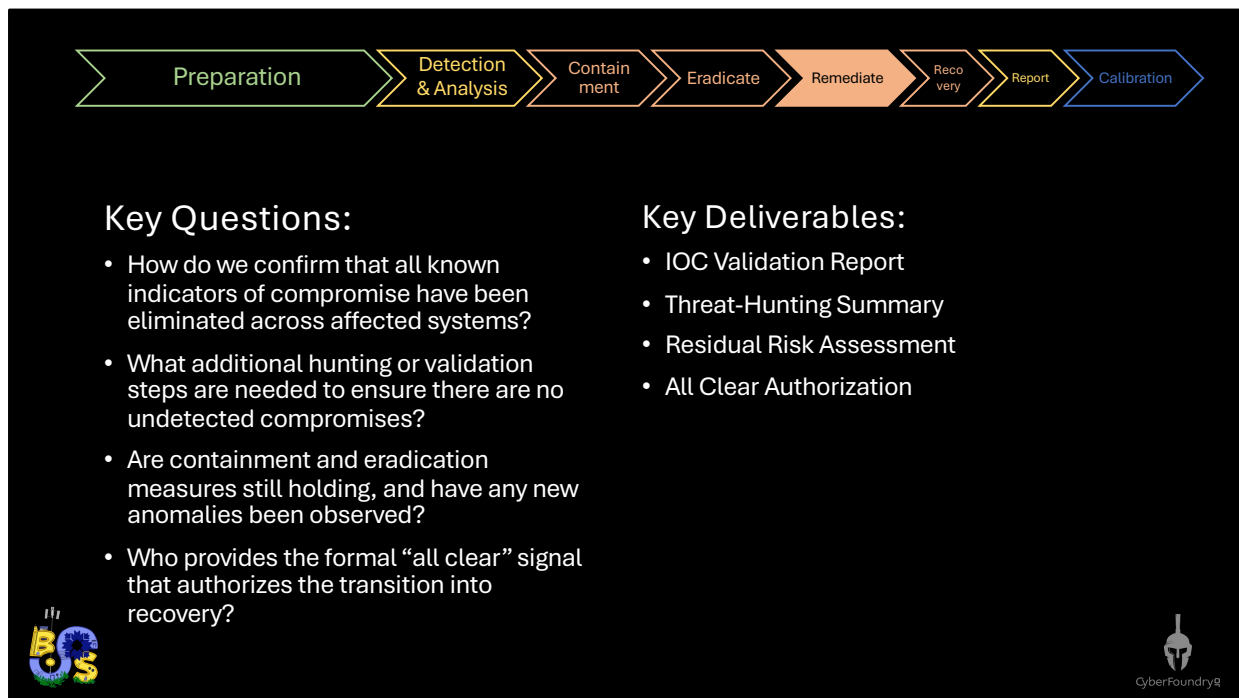
Deliverable: Eradication Validation Results

Evidence from re-scans, system health checks, and monitoring that confirm artifacts and attacker presence have been removed. Provides measurable “done” criteria.

How do we validate eradication across hybrid environments (on-prem, cloud, SaaS)?

Deliverable: Environment Validation Report

A consolidated report confirming that eradication activities were applied consistently across all environments. Reduces risk of residual compromise in less visible domains.



Remediation

In the remediation phase, the technical team’s responsibility is to confirm that the incident has been fully neutralized before normal operations resume. Unlike eradication, which removes known artifacts and vulnerabilities, remediation focuses on validating that there are no lingering indicators of compromise (IOCs), no persistence mechanisms left behind, and no missed systems still under threat. This is a phase of verification and assurance: the team must re-scan the environment, correlate logs across sources, and hunt proactively for evidence of additional attacker activity. It is critical to recognize that incidents often unfold in layers — what first appears as a single compromised endpoint may later reveal lateral movement, privilege escalation, or secondary persistence. Remediation is therefore the checkpoint where the organization pauses to ensure that containment and eradication were comprehensive. Only when the technical team can signal “all clear” — backed by evidence that no active threat remains — should the organization transition into recovery. This makes remediation not just a technical milestone, but a critical governance step, ensuring business leaders understand residual risk before restoration begins.

How do we confirm that all known indicators of compromise (IOCs) have

been eliminated across affected systems?

Deliverable: IOC Validation Report

A structured report of re-scans, forensic checks, and cross-tool validation confirming no known IOCs remain. Demonstrates eradication was complete and validated.

What additional hunting or validation steps are needed to detect hidden persistence or lateral movement?

Deliverable: Threat Hunting Log

Documentation of proactive hunts for residual attacker presence — including lateral movement checks, credential use review, beaconing analysis, and persistence mechanism sweeps. Provides assurance that the environment was fully checked for hidden compromise.

Have containment controls remained effective, and have any new anomalies emerged since eradication?

Deliverable: Containment Control Verification Report

A record confirming that isolation measures, account disables, or network blocks remain in place and effective. Ensures attackers did not bypass containment while remediation was underway.

Have all vulnerabilities, misconfigurations, and exploited weaknesses been remediated?

Deliverable: Vulnerability & Misconfiguration Remediation Report

Evidence that patches, configuration changes, and credential resets have been applied across all affected systems. Links remediation actions back to identified CVEs or findings for traceability.

Have we preserved the necessary forensic evidence before further cleanup actions?

Deliverable: Forensic Evidence Preservation Checklist

A verified checklist confirming logs, images, and memory captures have been collected and secured before any additional cleanup. Protects against evidence loss for root cause or legal review.

What residual risks remain if some fixes cannot be applied immediately?

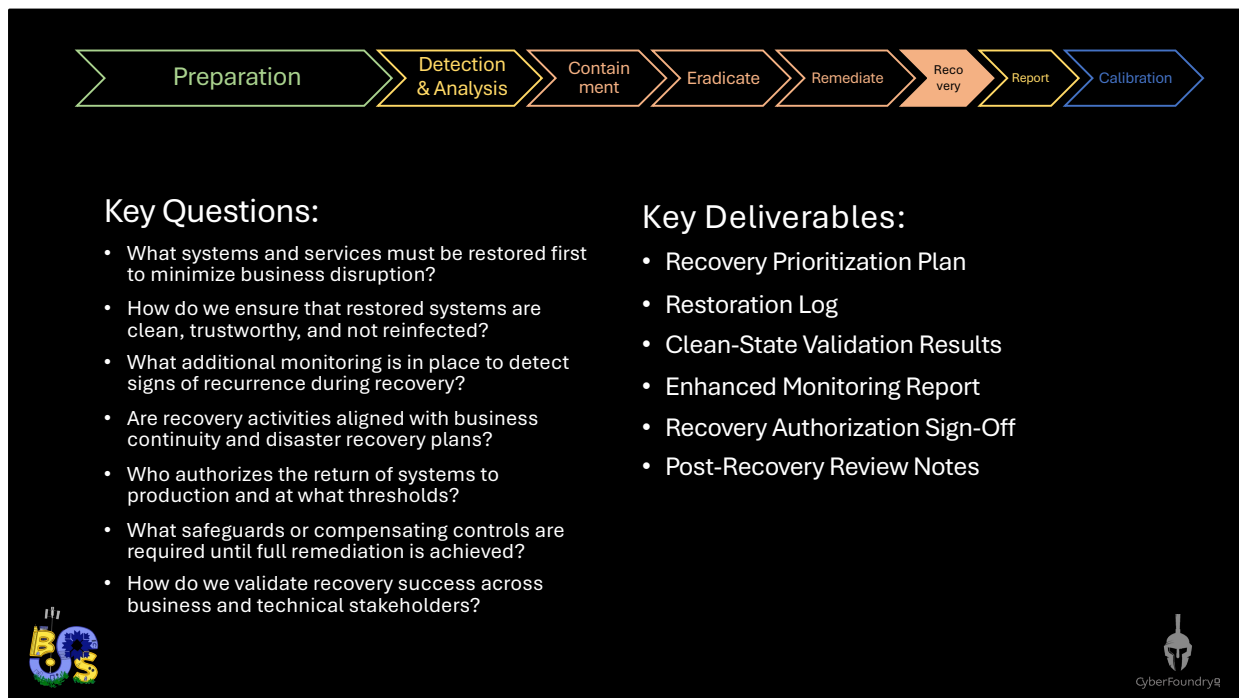
Deliverable: Residual Risk Statement

A concise summary of any remaining risks, deferred fixes, or compensating controls. Provides leadership with transparency on what remains unresolved.

Who has the authority to declare “all clear” and allow transition to recovery?

Deliverable: All Clear Authorization

Formal sign-off from the incident commander, CISO, or designated authority that remediation is complete. Serves as the official checkpoint allowing the organization to enter Recovery.



Recovery

In the recovery phase, the organization transitions from containment and remediation into restoring systems and business services to their normal operational state. Recovery closely aligns with business continuity and disaster recovery (BCP/DR) processes, but with the added discipline of continuous monitoring to ensure that the incident has truly been resolved. If prior phases were executed effectively, recovery should be a controlled and deliberate process: rebuilding or restoring from clean backups, reintroducing systems into production, and validating functionality against business priorities. From an executive perspective, the critical decision is prioritization — determining which services must be restored first to minimize business impact, based on the organization’s BIA and continuity planning. The technical IRP team must also remain alert for signs that the incident was not fully addressed, looping back into remediation if new indicators emerge. Recovery concludes with a post-recovery validation, ensuring both technical soundness and business readiness before declaring the incident fully closed.

What systems and services must be restored first to minimize business disruption?

Deliverable: Recovery Prioritization Plan

A documented plan that identifies which systems, applications, and services are restored first, mapped directly to the Business Impact Analysis (BIA). Ensures restoration efforts align with critical business needs and continuity planning.

How do we ensure that restored systems are clean, trustworthy, and not reinfected?

Deliverable: Clean-State Validation Results

Evidence such as forensic scans, malware checks, and configuration verifications proving that restored systems are free from compromise. Provides assurance that recovery sources (backups, rebuilds) are safe.

What additional monitoring is in place to detect signs of recurrence during recovery?

Deliverable: Enhanced Monitoring Report

A record of temporary, heightened monitoring (e.g., SIEM alerts, endpoint detections, anomaly tracking) applied during the recovery period. Demonstrates vigilance against recurrence while systems come back online.

Are recovery activities aligned with business continuity and disaster recovery (BCP/DR) plans?

Deliverable: Restoration Log

A detailed log of systems restored, data recovered, and services reintroduced. Tracks timing, responsible personnel, and outcomes, ensuring activities were performed in accordance with BCP/DR processes.

Who authorizes the return of systems to production and at what thresholds?

Deliverable: Recovery Authorization Sign-Off

Formal approval by the incident commander or business owner that systems are ready for production. Creates a governance checkpoint showing recovery decisions were deliberate and risk-informed.

What safeguards or compensating controls are required until full remediation is achieved?

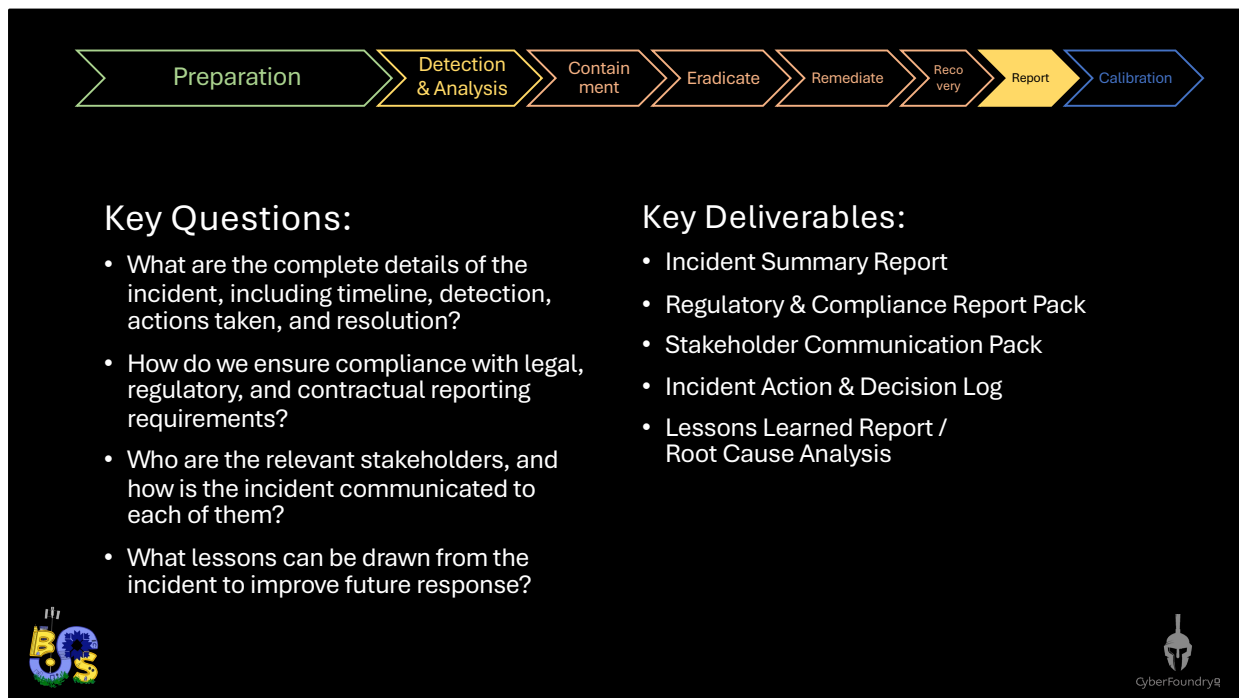
Deliverable: Temporary Controls Register

Document listing compensating controls (e.g., firewall blocks, restricted accounts, enhanced logging) that must remain in place during recovery. Ensures leadership is aware of residual risks.

How do we validate recovery success across business and technical stakeholders?

Deliverable: Post-Recovery Review Notes

A short, structured set of findings summarizing whether recovery was complete and effective. Includes feedback from business owners, executives, and technical staff, preparing inputs for the later Calibration phase.



Report

The reporting phase ensures that the incident is fully documented, communicated, and aligned with compliance obligations. This is more than just paperwork — it creates the authoritative record of what happened, how the organization responded, and what lessons were derived. A strong report provides transparency for executives, regulators, insurers, and other stakeholders while preserving the organization's credibility. From a technical perspective, the report consolidates logs, actions, and decisions into a single incident record. From a business perspective, it fulfills contractual, legal, or regulatory reporting requirements. The incident report also serves as a learning tool, feeding into the calibration phase by identifying gaps and opportunities for improvement. Above all, reporting formalizes closure: the incident is captured, analyzed, and communicated so the organization can move forward with trust.

What are the complete details of the incident, including timeline, detection, actions taken, and resolution?

Deliverable: Incident Summary Report

A comprehensive, chronological account of the incident from detection through recovery. Includes key decisions, escalation points, and closure status.

How do we ensure that reporting requirements for compliance, regulatory, contractual, or legal obligations are met?

Deliverable: Regulatory & Compliance Report Pack

Formal submissions tailored to each applicable regime (e.g., SEC, GDPR, HIPAA, DoD/CUI). Includes deadlines met, forms submitted, and counsel sign-off.

Who are the relevant stakeholders, and how is the incident communicated to each of them?

Deliverable: Stakeholder Communication Package

Tailored reports or notifications for executives, boards, customers, insurers, and partners. Ensures each group receives the right level of detail and assurance.

How do we capture and preserve evidence of decisions and actions for future reference or litigation?

Deliverable: Incident Action & Decision Log

Consolidated record of technical and business actions taken, including authorizations. Serves as an evidentiary-quality audit trail.

What lessons can be drawn from the incident to improve future response?

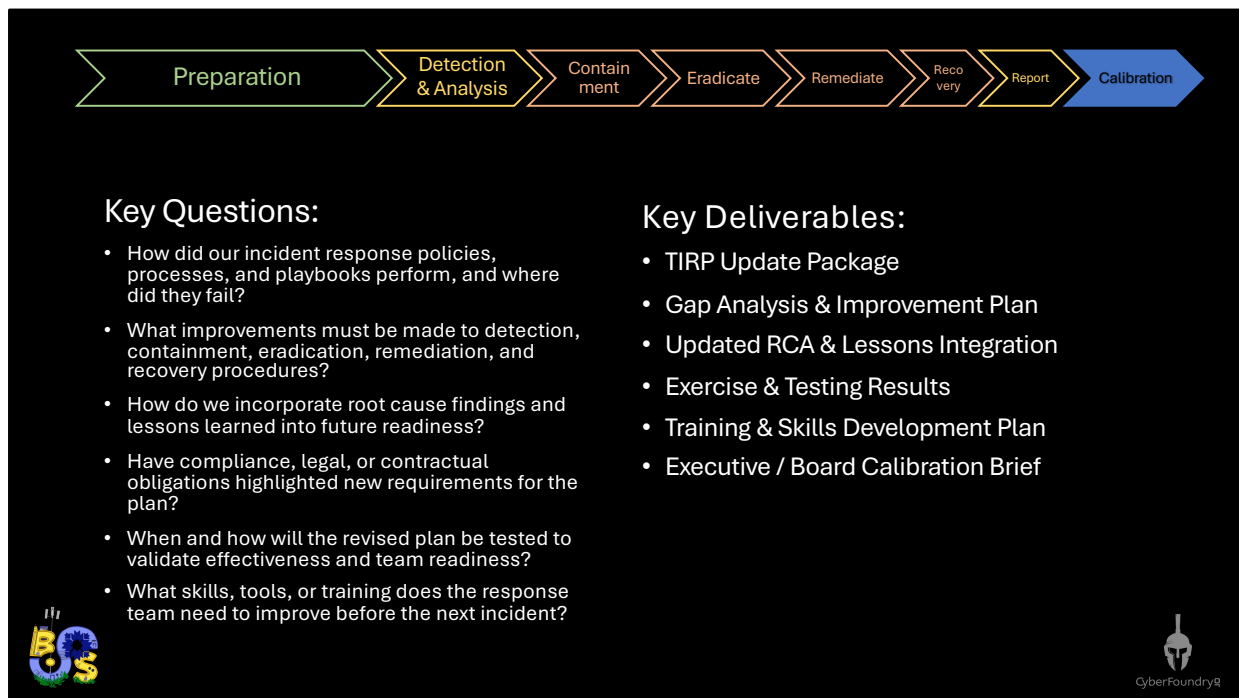
Deliverable: Lessons Learned Report

Structured documentation of strengths, weaknesses, and recommendations. Provides direct input into the calibration phase and continuous improvement cycle.

How do we ensure the final report is consistent, accessible, and retained appropriately?

Deliverable: Finalized Incident Report Repository Entry

The authoritative version of the incident report, reviewed and approved, stored securely in the organization's knowledge base or compliance archive.



Calibration

The calibration phase ensures that the organization learns from the incident and continuously improves its response posture. This is not just a lessons-learned discussion, but a deliberate process of reviewing what worked, what failed, and how policies, procedures, and technologies must be updated to reflect evolving threats and organizational priorities. Calibration incorporates findings from the report phase — including root cause analysis, action logs, and lessons learned — and translates them into concrete updates to the incident response plan, escalation thresholds, playbooks, and training. It also involves exercising the revised plan through tabletops or simulations to validate improvements. At its core, calibration ensures that the organization emerges from an incident stronger, with a response capability that adapts to both internal change and the external threat landscape.

How did our incident response policies, processes, and playbooks perform, and where did they fail?

Deliverable: Gap Analysis & Improvement Plan — Documents strengths, weaknesses, and prioritized fixes to strengthen the program.

What improvements must be made to detection, containment, eradication, remediation, and recovery procedures?

Deliverable: IRP/TIRP Update Package — Revised playbooks, thresholds, and workflows updated to reflect lessons learned.

How do we incorporate root cause findings and lessons learned into future readiness?

Deliverable: Updated RCA & Lessons Integration Report — Ensures technical and business insights are formally embedded into policies and controls.

When and how will the revised plan be tested for effectiveness and team readiness?

Deliverable: Exercise & Testing Results — Records of tabletop drills, red-team exercises, or simulations validating improvements.

What skills, training, or tools does the team need to improve before the next incident?

Deliverable: Training & Skills Development Plan — Roadmap for certifications, exercises, and tooling enhancements to boost response maturity.

Technical IRP Documentation

TIRP Phase	Reference / Input Document	Generated / Output Document
Preparation	- Incident Response Policy - Incident Classification Matrix - Playbooks / Runbooks - Communication Plan - Contact Lists - System & Network Documentation - Legal & Regulatory Obligations - Evidence Handling Procedures	- Tabletop Exercise / Training Records
Detection & Analysis	- Classification Matrix - Playbooks (by incident type) - Logging/Monitoring Standard	- Initial Incident Report / Ticket - Investigation Log (chronological notes, evidence references) - Situation Reports (SitReps) for stakeholders
Containment	- Containment Playbooks - System Documentation (dependencies, critical systems)	- Containment Records (what was isolated/blocked, when, by whom) - Updated SitReps
Eradication	- Malware Removal Procedures - Vendor/Forensics SOPs	- Eradication Records (removed accounts, deleted malicious files, patched systems)
Recovery	- System & Network Documentation - Recovery Procedures (restore, rebuild, validate)	- Recovery Validation Report (evidence systems are clean, back to baseline) - Final SitRep
Reporting	- Communication Plan - Legal/Regulatory Obligations	- Regulatory/Stakeholder Notifications - External Reports (customers, partners, law enforcement)
Calibration / Lessons Learned	- Evidence Handling Procedures (for RCA) - Compliance / Framework Mappings (NIST, ISO, etc.)	- Root Cause Analysis (RCA) - Lessons Learned Report - Calibrated IRP Update (revised playbooks/policies)



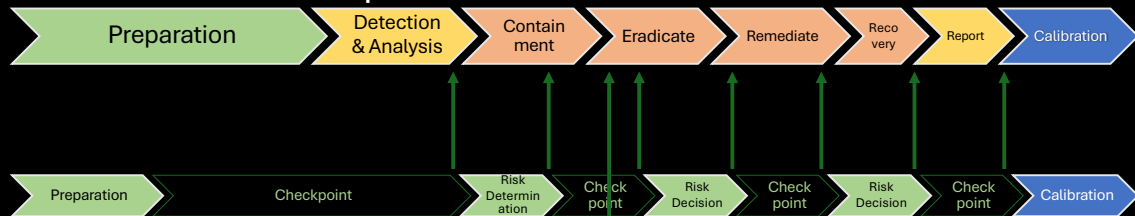
Executive IRP

Objectives

- Ra



Technical Incident Response Plan



Executive Incident Response Plan



Cast of Characters

R Responsible
A Accountable
S Stakeholder
C Consulted
I Informed

	TIRP	EIRP	CMP
Incident Commander	A/R - Declares Incidents, Owns Coordination, Makes Technical Decisions	A/R - Bridges Business Risk to Technical Plan, Prioritizes Service Recovery, Provide TIRP Status	S - Provides CS Status
SOC/IRT	R - Detect, analyze, contain, eradicate. Root Cause Analysis	I - Informed of decisions that affect TIRP	I - Informed of. Decisions that affect TIRP
IT/Business	S/R - Supports containment, restores systems	I - Provides IT status	I - Provide IT Status
General Council / Crisis Manager	C - Advice on evidence handling.	C/R - Ensure compliance, manage disclosure obligations.	A/R - Manage regulators, law enforcement, insurers; preserve privilege.
Executive Sponsor	I - Briefed on process and outcome	A/R - Make risk and continuity decisions.	S - Support crisis comms and continuity decisions.



Phase Gates

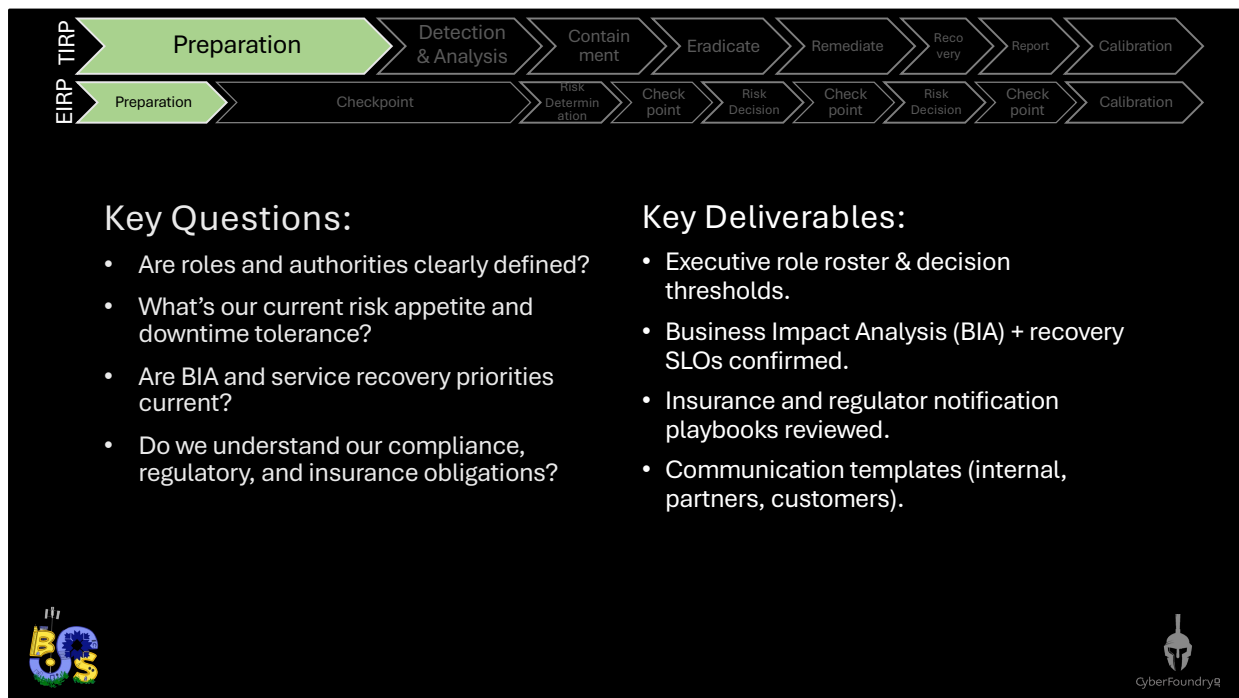
EIRP Phase	Incoming Gate	Exit Gate
Preparation	Current BIA, risk appetite, RTO/RPO/SLOs, insurance and regulatory playbooks, comms templates, role roster, IC authority defined.	Exec roles/thresholds confirmed; IC empowered to convene EIRP; business priorities ("crown jewels") and downtime tolerances re-affirmed.
Checkpoint	IC summary of facts/unknowns, preliminary blast radius, safety status, early exfil signal, evidence-preservation posture.	Preliminary materiality hypothesis; cadence for IC briefings; GC activates compliance/insurance review; direction to preserve evidence.
Risk Determination	D&A findings: likely access vector, attacker objectives (if known), confirmed impacted systems/lines/sites, spread risk, safety impacts, exfil yes/no, containment options (scoped).	Business impact level (operational/financial/compliance/reputational) set. Containment objectives approved (what to isolate/shut down; plant/partner cutovers aligned to BIA). Downtime SLOs and "must-keep-running" services stated. Direction on internal/partner notifications and holding statement. IC authorized to execute the chosen containment posture.
Checkpoint	Containment progress, residual spread risk, any dependency hits (ERP/MES/AD), safety status, early media/partner pressure.	Confirm containment scope holds; adjust business comms if needed; greenlight prep of eradication options package.
Risk Decision 1	Eradication plan with options and impacts: wipe/reimage scale, evidentiary implications, expected downtime extension, clean-build sources, privileged credential resets; ransom intel (if any), insurer and GC guidance, LE/regulator notification status.	Go/no-go on eradication approach (including authorization to erase/reimage at scale). Stance on ransom (default no-pay unless explicit exception). Evidence-handling constraints and LE engagement confirmed. Acceptance of operational pain to ensure a clean environment; continuity workarounds funded. IC authorized to execute eradication and credential resets.



Phase Gates

EIRP Phase	Incoming Gate	Exit Gate
Checkpoint	Eradication status vs. completion criteria, surprises (persistence, new IOCs), evidence status, insurer/regulator asks.	Agreement on “eradicated” definition met; no blockers to begin remediation; prioritize remediation plan draft reviewed for business fit.
Risk Decision 2	Remediation status (patch/rebuild/hardening complete or near-complete), residual risk register, validation results, recovery playbook options (phased waves, partial reopen), resource constraints, backlogs.	Recovery prioritization by business process (which systems go first; which remain offline). Go-live criteria, monitoring & rollback thresholds, and staffing coverage approved. Communications plan for employees/customers/partners/regulators set. IC authorized to initiate recovery waves per priority.
Checkpoint	IC attests technical readiness; BU owners attest operational readiness; comms ready; insurers/regulators alignment OK.	Formal “return-to-service” authorization (partial or full); live monitoring & stabilization window defined; cadence for exec status set.
Calibration	AARs (TIRP/CMP), cost & downtime metrics, control gaps, insurance/reg feedback.	Adjusted risk appetite/BCP/IRP; funded improvements; board/regulator briefing; scheduled re-tests/tabletops.





Before an incident ever happens, the Executive IRP has to be set up to succeed. The Preparation phase is about removing ambiguity and making sure executives know their role in a crisis.

The first question we ask is: *who has the authority to make which decisions?* We don't want to figure that out in the middle of a ransomware outbreak. That's why the RASCI model matters — the Incident Commander knows exactly who to escalate to, and executives know what calls land on their desk.

The second piece is *our business priorities*. We need to know which functions are mission critical, and in what order. That comes from a current Business Impact Analysis. For example, is keeping ERP online more important than email? How much downtime can each tolerate? Those recovery objectives — RTOs and RPOs — are what guide containment and recovery decisions later.

Third, we check our **external obligations**. That means compliance and legal reporting, insurance requirements, and third-party obligations. The General Counsel, Risk, and Communications teams all weigh in here, and we prepare notification templates so we aren't drafting from scratch under pressure.

Finally, we set the **briefing cadence**. One of the hidden purposes of the EIRP is keeping the CEO and the Board properly informed while shielding the SOC from constant executive interruptions. That only works if we've already defined how information flows: how often the IC briefs the EIRP, and how often the EIRP briefs the CEO and Board.

The outcome of this phase is clarity: executives understand their role, our risk tolerance is documented, our communication and compliance playbooks are ready, and the IC has authority to act. That's the foundation that makes the rest of the IRP run smoothly."

"Who has the authority to make risk calls?"

Answered by executive sponsor, GC, and COO.

Output: RASCI matrix validated, delegation documented; IC knows when to escalate and to whom.

"What are our crown jewels and recovery priorities?"

Answered by BU leaders against the BIA.

Output: Tiered recovery priority list (e.g., ERP > MES > email), codified as executive guidance.

"What's our tolerance for downtime and data loss?"

Answered via exec alignment on RTO (recovery time objective) / RPO (recovery point objective).

Output: Service-level objectives (SLOs) expressed in hours/days, to guide TIRP containment/recovery.

"What external obligations must we plan for?"

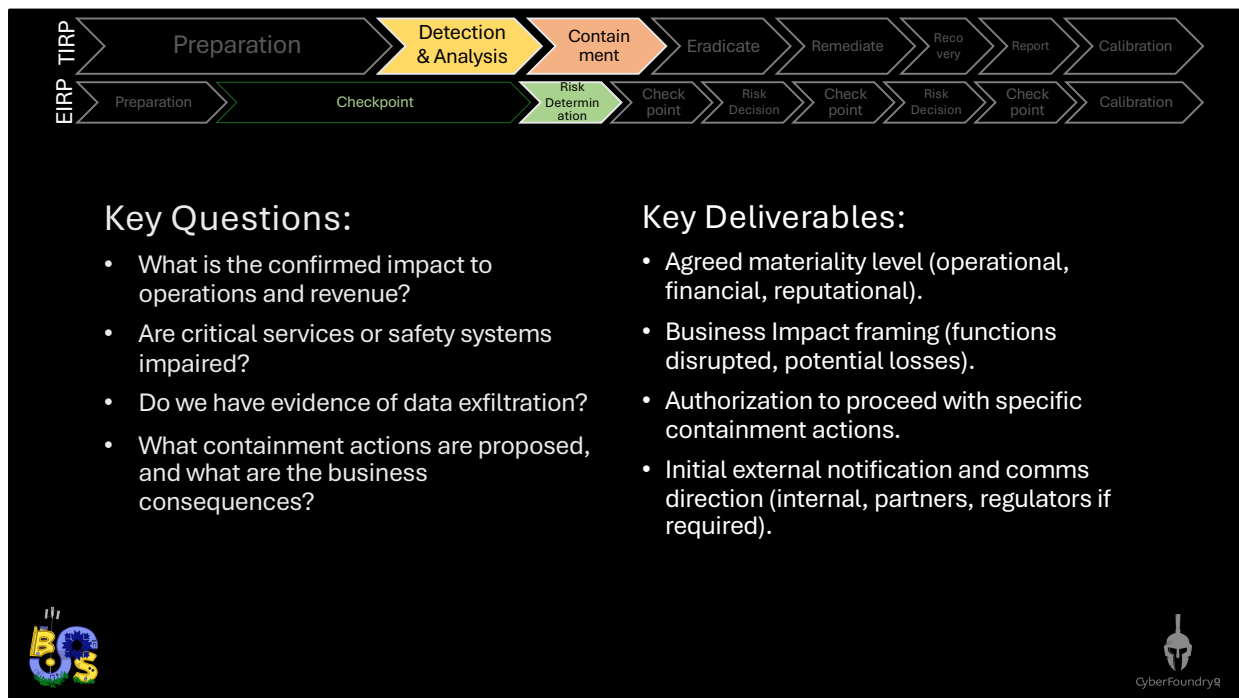
Answered by GC (regulatory reporting), risk/insurance (policy triggers), comms (partners/customers).

Output: Notification matrix (who, when, how), staged templates prepared.

"How do we keep the CEO and Board engaged without disrupting?"

Answered by exec sponsor and GC.

Output: Defined briefing cadence (e.g., IC → EIRP q2h, EIRP → CEO/Board daily).



Once the technical team finishes their initial Detection and Analysis, the EIRP convenes for the first big decision point: Risk Determination.

At this stage, the Incident Commander brings forward the facts: which systems are down, whether safety is at risk, and whether there are signs of data leaving the network. Executives don't debate malware signatures — they decide what the business impact actually is.

The key questions are: *what's broken, what's the scale of the loss, and what happens if we contain in this way versus that way?* For example, if we shut down the plant floor we may lose two days of production, but if we don't, the ransomware could jump into ERP and take the whole company down.

This is also where compliance starts to come into play. If there are indicators of exfiltration, the General Counsel begins preparing for potential breach notifications.

The deliverables are simple: executives set the materiality level, they approve the containment strategy, and they authorize the Incident Commander to move

forward. And critically, they start shaping communications — what do we tell employees, partners, regulators, or the press at this stage.

In short: the Risk Determination gate reframes the incident as a business loss, and gives the technical team the mandate to contain, even if that means downtime. The Incident Commander ensures both sides are aligned before Containment begins.”

“What has actually been impacted?”

Answer: SOC/IRT confirms affected systems, business units add operational context.

Output: Map of impacted business processes vs. IT/OT assets.

“What’s the scale of loss if this continues?”

Answer: BU leaders quantify downtime impact (\$/day, safety, compliance).

Output: Materiality rating (low/medium/high/critical) anchored in \$ and operational terms.

“Has data left the environment?”

Answer: Forensics team provides exfil indicators, GC advises on legal thresholds.

Output: Compliance risk posture (notification triggers Y/N).

“What containment options exist, and what’s the business cost?”

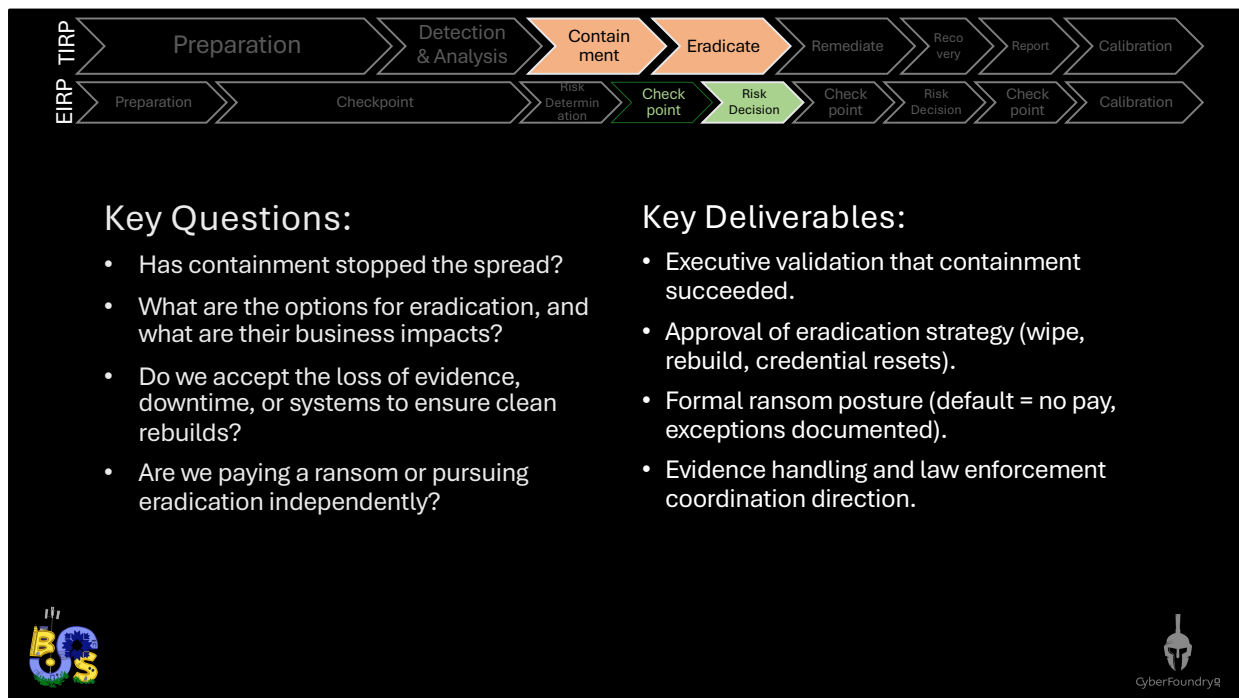
Answer: TIRP presents options (network isolation, plant shutdown, partner disconnects). Executives weigh against BIA and customer obligations.

Output: Approved containment strategy + explicit tolerances (e.g., accept 2-day outage to prevent spread).

“Who needs to know now?”

Answer: GC, Comms, Insurance confirm who must be notified (regulators, partners, customers, law enforcement).

Output: Notification/communications plan activated at the appropriate level.



At this checkpoint, the technical team has contained the outbreak. Now the executive question becomes: do we authorize eradication?

Eradication almost always means more pain in the short term. Systems will be wiped, OT controllers may need to be reimaged, domain credentials reset. This is the moment where executives accept that it may get worse before it gets better — but only by taking the hit now can we ensure a clean recovery.

The Incident Commander presents options, each with tradeoffs. Business leaders weigh what downtime or data loss the company can tolerate. Legal and compliance confirm that evidence has been preserved, and that law enforcement and insurers are aligned.

The big decision here is also the ransom. The EIRP is where the company formally declares its posture: we will not pay, and we will accept the consequences of rebuilding ourselves. That decision has to be explicit, documented, and owned at the executive level.

The deliverables are clear: validate containment, authorize eradication, set the

ransom posture, and ensure evidence handling is defensible. Once those are in place, the IC has the mandate to move the TIRP into full eradication.

“Has containment held, or is the threat still spreading?”

Answer: TIRP reports on network isolation, infection metrics, and stabilization.

Output: Executives confident the ‘bleeding’ is stopped before destruction begins.

“What are our eradication options, and what do they cost the business?”

Answer: Technical team presents eradication plans (wipe all impacted hosts, reimage OT controllers, reset domain credentials). BU leaders quantify downtime impact.

Output: Approved eradication path, with explicit business acceptance of downtime and system loss.

“Will eradication destroy evidence we might need for regulators or litigation?”

Answer: GC and IC confirm forensic captures completed; law enforcement stance provided.

Output: Written acknowledgement of evidence handling; GC preserved privilege.

“Are we considering ransom payment, or are we proceeding with eradication only?”

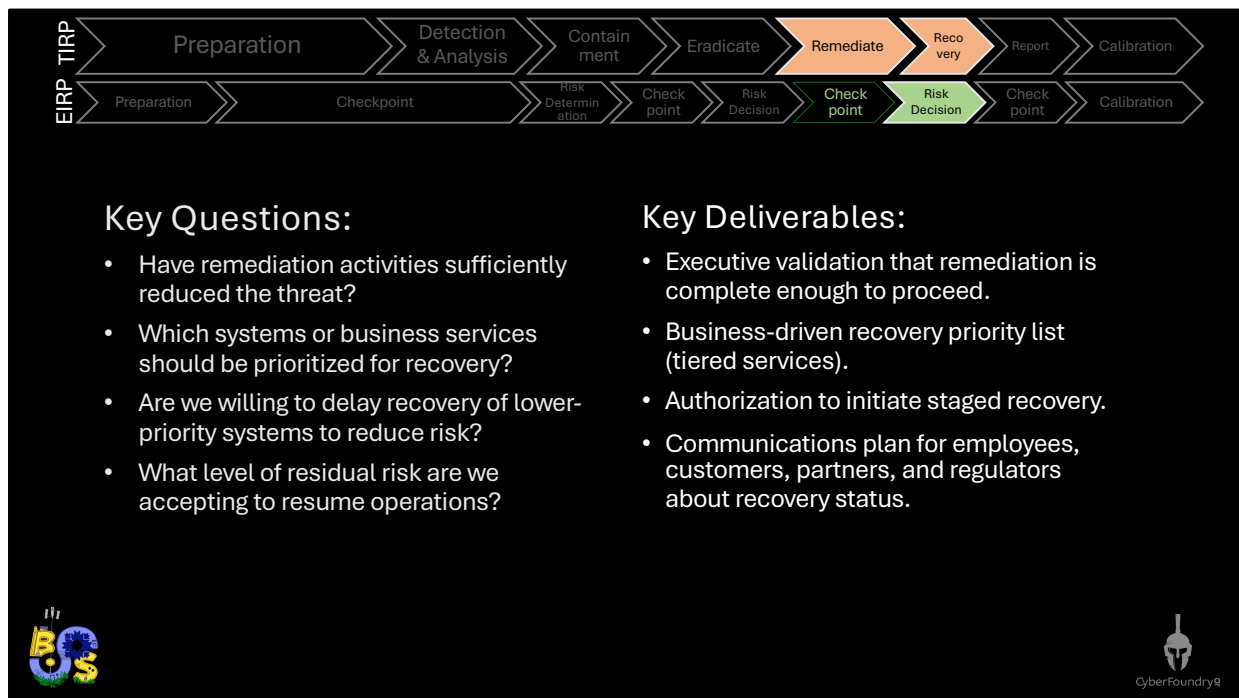
Answer: GC, insurer, and risk leaders weigh ransom posture; executives deliberate business impact.

Output: Documented **decision not to pay** (unless a pre-defined exception threshold is met), communicated to IC.

“What must we tell employees, partners, or customers before eradication begins?”

Answer: Comms and BU leaders provide messaging guidance.

Output: Updated comms plan aligned to eradication impacts.



This is the final executive gate before recovery begins. The technical team has remediated vulnerabilities, rebuilt systems, and confirmed security controls. Now the question is whether the business is ready to resume operations.

The Incident Commander brings remediation results, and executives evaluate them against business needs. This is where we set recovery priorities: which systems come back first, and which can wait. For example, ERP may be essential to resume production, while other internal systems can remain offline until risk is lower.

Executives must explicitly accept residual risk. No remediation is ever perfect, and this decision point is about balancing the need to restart operations with the risk of reintroducing the adversary or instability.

The deliverables are a prioritized recovery plan, authorization to begin staged recovery, and a clear communications strategy for employees, customers, partners, and regulators.

Once this decision is made, the Incident Commander has the mandate to move

the TIRP into recovery, and the business begins its journey back to normal operations.

“Is remediation complete, and is the environment ready to recover?”

Answer: TIRP reports on patches, rebuilds, hardening, and validation testing.

Output: Execs confirm confidence in remediation, with GC noting any compliance caveats.

“Which systems must come back first to support the business?”

Answer: Business units provide recovery priority (e.g., ERP > MES > CRM > email).

Output: Tiered recovery plan, documented and approved by EIRP.

“Are we comfortable leaving some systems offline longer to reduce residual risk?”

Answer: TIRP identifies any “at-risk” systems, BU leaders weigh operational need vs. exposure.

Output: Decision to defer some recoveries; acceptance of continuity workarounds.

“What risk level are we accepting by resuming operations now?”

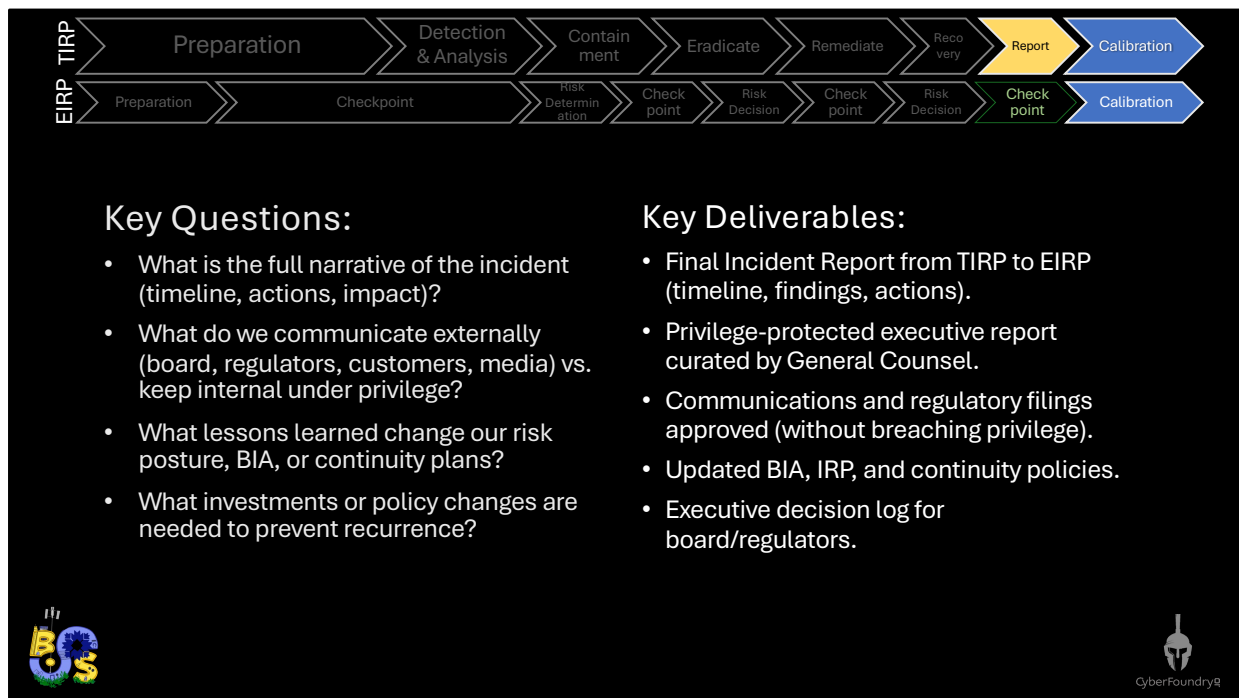
Answer: IC and risk team brief execs on residual risk register. Execs set tolerance.

Output: Documented executive acceptance of risk to resume business.

“What message do we send as systems come back online?”

Answer: Comms team drafts internal and external messaging; GC approves for compliance.

Output: Recovery communications package released at launch.



This is the last checkpoint of the incident, where the TIRP formally presents its report to the executive IRP. The job here is twofold: to capture what happened, and to calibrate the business for the future.

The technical team provides a detailed timeline of events, actions taken, and the outcomes. But before any of that information leaves this room, the General Counsel steps in. Their role is critical: to ensure that reports going outward don't waive attorney-client privilege, and that we aren't disclosing more than we are legally required to. Sometimes less is more.

From there, executives decide what lessons to capture. Did our risk appetite prove accurate? Do we need to update our Business Impact Analysis? Are new investments required in detection, backups, or compliance posture? These are the calibration points that strengthen us for the next incident.

The deliverables are clear: a final privileged report for leadership, curated external communications and filings, and an updated playbook that reflects what we've learned. This is where we demonstrate to the board, regulators, and our employees that we not only survived the incident but are stronger and better

prepared because of it.

“What actually happened, from start to finish?”

Answer: TIRP presents a full timeline of detection, containment, eradication, and recovery.

Output: Factual record of the incident, handed to GC for legal review.

“What can safely be communicated outward?”

Answer: GC filters content through attorney–client privilege, removes sensitive detail, aligns with regulatory disclosure obligations.

Output: Two streams of reporting — privileged internal report vs. approved external disclosures.

“What lessons learned must be incorporated into our governance?”

Answer: BU leaders, IT, and IC highlight weaknesses (controls, processes, communication).

Output: List of required improvements, mapped to owners and deadlines.

“What is our new risk posture after this?”

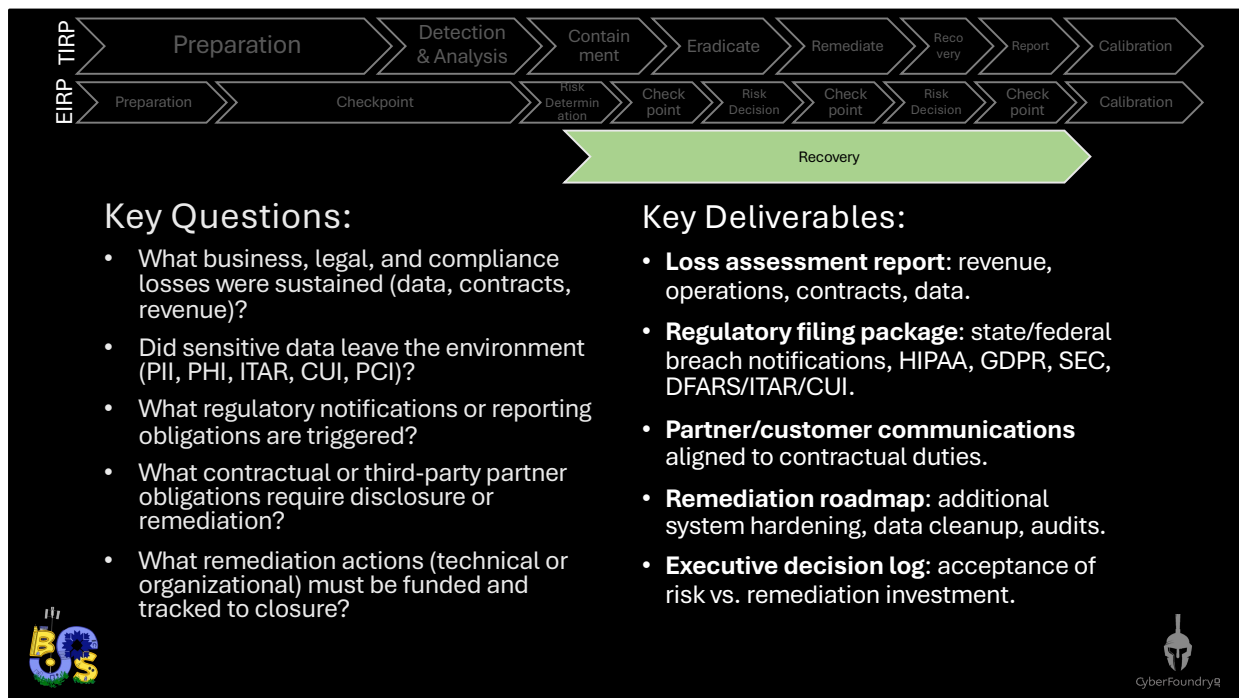
Answer: Exec sponsor and risk/finance weigh cost of downtime vs. mitigation investments.

Output: Adjusted risk appetite statement, approved funding for improvements, updated continuity targets.

“How do we close the loop with the board and regulators?”

Answer: GC + Comms finalize formal filings, briefings, and reports.

Output: Finalized compliance communications plan; assurance that privileged and sensitive info remains protected.



Even after operations are restored, the real work for executives often begins. Recovery in the EIRP sense is not just about turning the plant back on — it’s about identifying and owning the losses, complying with regulatory obligations, and ensuring long-term remediation.

The first step is loss identification. We need a clear assessment of what was lost: production, revenue, customer orders, intellectual property. Just as important, did regulated data leave our environment — PII, PHI, PCI, ITAR, or CUI? Each of these triggers specific reporting duties.

The General Counsel leads here, translating forensic evidence into regulatory obligations. If PHI was lost, HIPAA requires patient notification within 60 days. If ITAR or CUI data was exposed, the DoD requires reporting within 72 hours. If the incident is material to our investors, the SEC requires disclosure in 4 business days. State AG laws and GDPR can be even tighter.

We also need to consider contractual obligations to customers, suppliers, and insurers. Some partners require notification within 24 hours. Cyber insurance often requires immediate engagement or claims may be denied.

From there, we shift to remediation. That means not just patching but cleaning up compromised accounts, re-baselining systems, tightening contracts, and in some cases funding new projects to ensure compliance. The EIRP owns approving those investments.

The deliverables here are a loss assessment, a regulatory and contractual reporting package, a communications plan, and a funded remediation roadmap. This closes the loop and positions the business not just to resume but to recover trust and compliance.”

“What exactly did we lose?”

Answer: BU leaders + finance quantify lost production, missed shipments, revenue hits; IT/forensics confirm if regulated data was exfiltrated.

Output: Loss matrix (operational, financial, legal, reputational) validated at the exec level.

“Did regulated or sensitive data leave the environment?”

Answer: Forensics + SOC provide exfil evidence; GC confirms definitions (PII, PHI, PCI, ITAR, CUI).

Output: Data loss classification, tied directly to specific regulatory frameworks.

“Which regulatory regimes require reporting, and on what timeline?”

Answer: GC/Risk map data loss against obligations:

HIPAA breach notifications (60 days).

GDPR/UK DPA (72 hours).

SEC cyber incident disclosure (material within 4 business days).

State AG notification laws.

DoD DFARS/ITAR/CUI reporting to DIBNet/DC3 (72 hours).

Output: Regulatory reporting plan, deadlines tracked, owners assigned.

“Do we have third-party or customer disclosure requirements?”

Answer: BU + Legal review SLAs, supply chain contracts, cyber insurance conditions.

Output: Disclosure matrix, aligning customers/partners/insurers to obligations.

“What remediation actions must we take to restore compliance and resilience?”

Answer: IT/Business propose cleanup (credential resets, audit of privileged accounts, purge of compromised data sets, endpoint re-baselining).

Risk/Finance align budget.

Output: Post-incident remediation roadmap with clear funding and timelines.

“What narrative do we provide to stakeholders?”

Answer: Comms + GC draft messages; exec sponsor approves.

Output: Transparent but privilege-protected messaging for board, regulators, customers, employees.

Executive IRP Documentation

EIRP Phase	Reference / Input Document	Generated / Output Document
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Preparation		
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Risk Determination		
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Risk Decision 1		
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Risk Decision 2		
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Calibration		
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What is a Tabletop Exercise



A Good Tabletop Exercise...

Step-by-Step simulation of a cybersecurity incident with technical and leadership staff.

Tests the plan, roles and decision-making process.

Identifies gaps in process, communication, and coordination before a real event occurs.



This is not a
Threat Hunting
Exercise



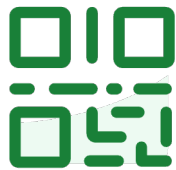
90 to 120
minutes at max.

Lets break and do
one.




Incident Response Tabletop





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Your Presenters



Ken Michael has spent four decades building Dox Electronics into a fortress against cyber threats. A stack of security certifications proves he knows how to keep businesses safe—though some say he just enjoys making auditors nervous.

When night falls, Ken trades firewalls for camera lenses. He's usually out taking photos of the dark, which makes sense—his best shots are the ones where absolutely nothing can be seen. Some people chase the light; Ken prefers to hunt the shadows.



Bill Weber has spent decades turning complex security problems into workable plans for enterprises, defense programs, and anyone brave enough to ask for help. A career CISO, he's navigated compliance minefields, government audits, and the occasional corporate meltdown—usually without setting the building on fire.



agenda

Part 1 – Understanding the IRP

- first principles
- what does an incident look like?
- what is an incident response plan?
- what is a tabletop exercise?

Part 2 - Tabletop

- let's do an exercise
- what did we discover



Part 2

Tabletop Exercise



Consolidated Nut & Bolt Company

"Just Screw It"



- We have created this tabletop to best reflect the threats to the organization.
 - Please do not fight the narrative.
 - Please be respectful of other members' responses.
 - Disagreement is acceptable, but please see the previous bullet.
- However, some creative liberties were taken.



Rules of Today's Tabletop Exercise



Participation Is Encouraged

- This exercise won't succeed unless you each participate.
- When an inject relates to an area for which. You are responsible, please speak up.
- There are no write or wrong answers.
- Even if you are not responsible for the response to an inject, feel free to provide your opinion.



Goals and Objectives

Goal:

Conduct the organization's first ever tabletop exercise.

Important:

Participants are not being graded or evaluated.

Objectives:

- Build relationships within the incident response team.
- Understand individual and team roles during a cybersecurity incident.
- Provide a written report of key areas for improvement.



Consolidated Nut & Bolt Company

"Just Screw It"



Founded in 1954 in Gary, Indiana — family-owned turned global supplier
Specializes in **industrial fasteners**: screws, bolts, washers, and custom fittings
Plants across the Midwest serving automotive, aerospace, and heavy manufacturing
Known for **reliability, volume production, and down-to-earth culture**

Current challenge: aging infrastructure and outdated OT systems leave operations **vulnerable to cyber disruption**



Choose Your Adventure



**CISO
Incident
Commander**

1 Person



**SOC
Incident
Response Team**

2+ People



**Information
Technology
Team**

2+ People



**Executive
Sponsor**

1 Person



**General
Council**

1 Person



Reporting Out



Friday 3:14 AM





TIRP INJECT 1

Friday 3:14AM – IT Help Desk

Calls the CISO and says “The factory shut down about an hour ago. The computers all have this message on their screen. Something about being encrypted.


...so we called you. Can you fix it?”



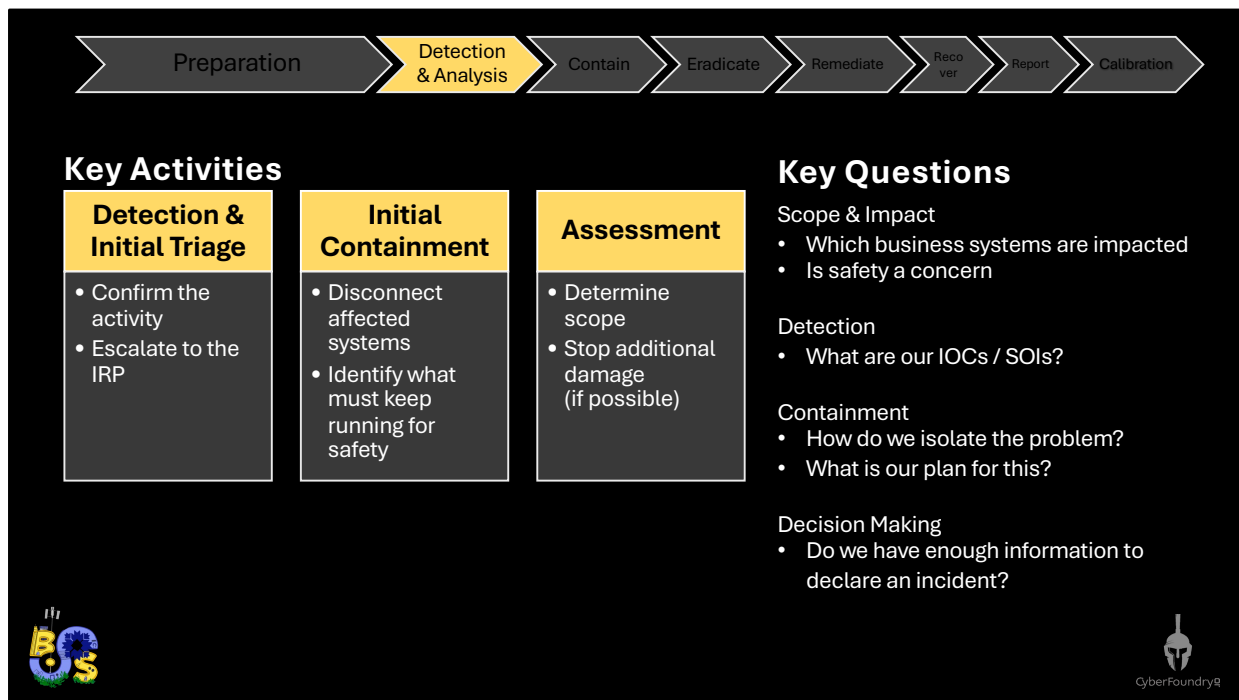
Do not edit
How to change the design



Based on the known facts, would this be considered a cybersecurity incident?

 The Slido app must be installed on every computer you're presenting from


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**Did you decide to disconnect the
company from the internet?
If so, who has that authority?**

Do not edit
How to change the design

 The Slido app must be installed on every computer you're presenting from

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Friday 4:27 AM





TIRP INJECT 2

Friday 4:27AM – War Room

IRT has identified the process that is running on the infected machines and why it wasn't detected earlier. They have what they believe to be an effective Indicator of Compromise (IOC) and have started scanning for it across the enterprise.

TOOLS:
EDR, SIEM





Key Activities

Detection & Initial Triage

- Confirm the activity
- Escalate to the IRP

Initial Containment

- Disconnect affected systems
- Identify what must keep running for safety

Assessment

- Determine scope
- Stop additional damage (if possible)

Key Questions

Scope & Impact

- Which business systems are impacted
- Is safety a concern

Detection

- What are our IOCs / SOIs?

Containment

- How do we isolate the problem?
- What is our plan for this?

Decision Making

- Do we have enough information to declare an incident?





Starting Gate

- Monitoring / logging active
- Incident criteria (classification matrix) ready

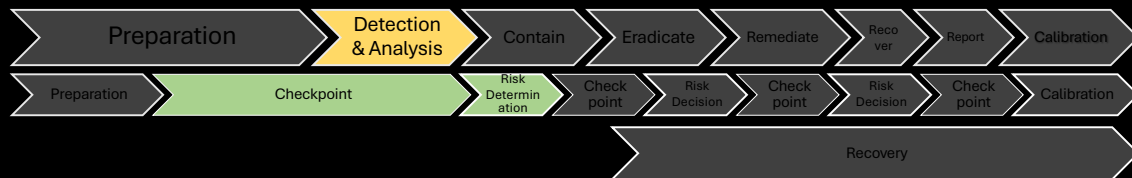
Exit Gate

- Incident ticket created with initial classification
- Scope defined and validated
- Do we know enough to move into containment?



Friday 8:00 AM



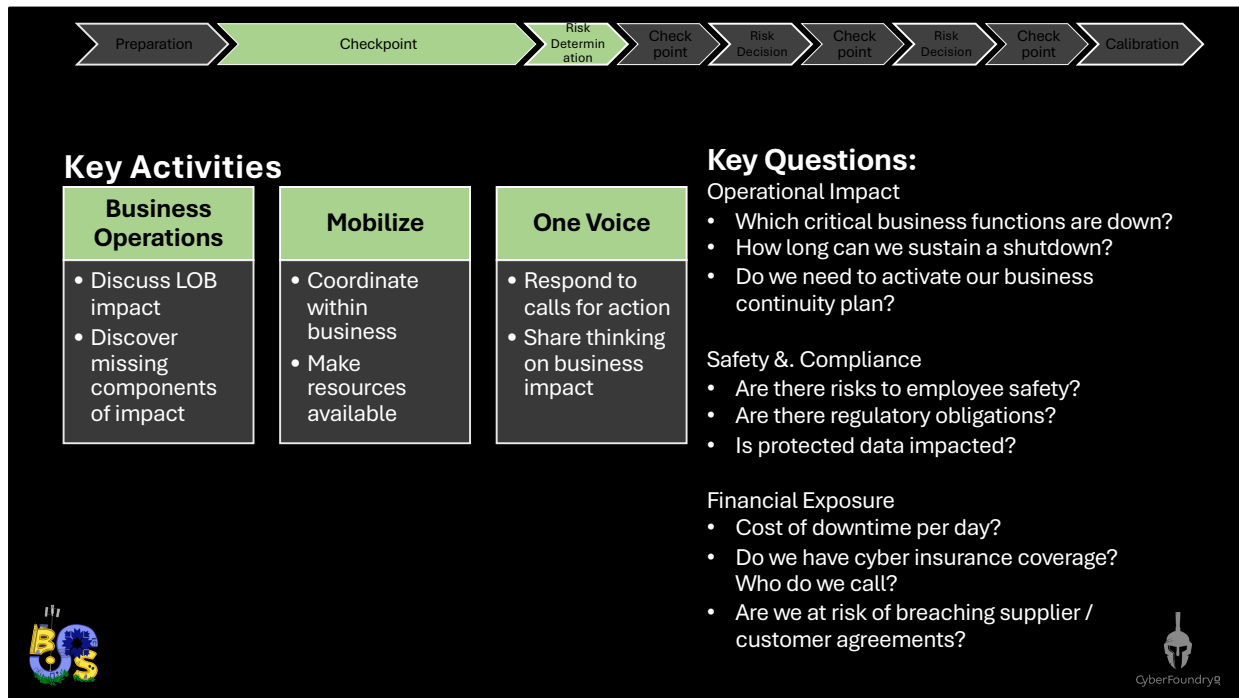


EIRP INJECT 1

Friday 8:00 EIRP War Room

Friday @ 3:57AM we declared a cybersecurity incident after notification from our users in the Gary IN factory that computers were inoperable. We have found what we believe to be a ransomware infection affecting at least 14% of that site making the factory floor inoperable. We have taken initial triage steps to limit the damage. The IRT is responding and we expect to move into containment within the next 30 minutes.








As the EIRP Executive Sponsor, you're responsible for mitigating the impact to the business. Who are some of the people you would be calling?

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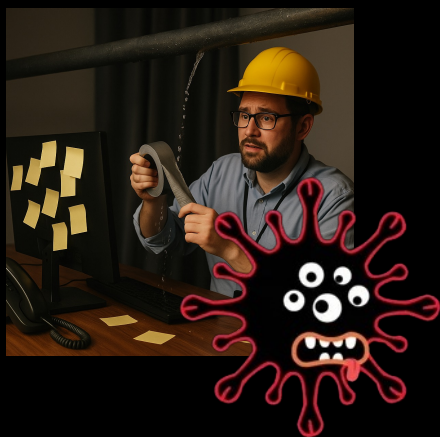
Executive Sponsor

- Who did you call?
- What did you share?
- How does this impact your strategy?



Friday 9:27 AM





TIRP INJECT 3

Friday 9:27AM – War Room


The IRT reports that they are able to remove the malware now that their tools can see it, but the IT Help Desk keeps opening new tickets for infected machines.



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What would your next step be?

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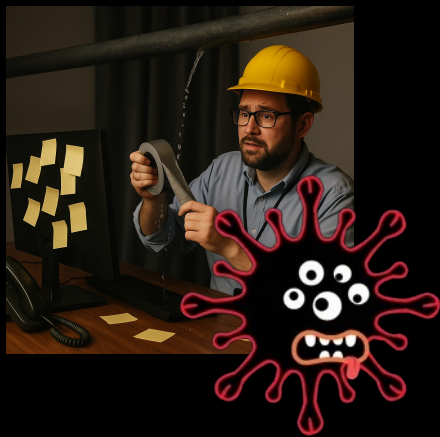
How ya doing Incident Commander?

- Are you confident in your containment strategy?
- What did you communicate to your EIRP team?



Friday 12:15 PM





TIRP INJECT 4

Friday 12:15PM – War Room


The IT Team has started reclaiming infected systems. The Network Team reports that there is an exceptional amount of traffic leaving the network for the internet and asks if you can cutback on whatever you're doing to give them a break.



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What do you do next?

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EIRP INJECT 2

Friday 12:37PM – Your Desk

Your Executive Sponsor introduces you to the Forensic Analyst and Breach Coach the Insurance Company has retained to help you.


They would like access to all of your work and will be reporting to the General Council.



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What does this mean?

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How ya doing Incident Commander?

- Are you confident in your eradication strategy?
- What did you communicate to your EIRP team?
- How did you handle the Forensic Analyst from the Insurance Company?



Friday 3:21 PM





TIRP INJECT 5

Friday 3:21PM – War Room

The SOC found an outdated version of Java running on many of the infected machines and believe it may be the cause of the ransomware's spread across the environment. This is new information.


IT tells you that the specific version of Java they are using is a hard requirement for the ERP system and that updating it will break the business.



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What are your options?

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EIRP INJECT 3

Friday 4:12PM – Your Desk

Your General Council reminds you that the company has 48 hours to report any material losses to the SEC, and even less time to call your customer if there was a material breach of your protected information.


The network team analysis shows that significant information was exfiltrated over the last 48 hours.



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Is this a material impact?


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**What information do you. need to
start getting ready now for your
general council?**

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How ya doing Incident Commander?

- Are you confident that the outdated software is the source of the problem?
- What information do you report to the EIRP?
What decisions do you ask them to consider?
- Do you have any alternatives?






Its three months later, and a lot of long meetings with staff and your leadership team. What did you learn?





What did you learn?

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Thank you for participating.



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Let's Do This Again...

We can deliver a tailored Incident Response Plan and Tabletop for your company. Reach out here.

