

2025  
**TF-CSIRT Meeting  
& FIRST Regional  
Symposium  
Europe**

Monte Carlo, Monaco  
January 14-16



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# KPIs for CSIRTs

# Agenda

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1. General Introduction
2. Overview
3. 12 Best Practices
4. 6 Challenges
5. Samples
6. Class Exercise

# Key Performance Indicators

## But first – About CSIRTs

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- Protect critical digital assets
- Minimize the impact of security breaches
- Collaborate with various stakeholders:
  - IT, Businesses, Management
  - Legal, External entities, ...
- Ensure effective incident handling
- Facilitate a coordinated response to cybersecurity threats

# Key Performance Indicators

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- Are measurable / quantifiable
- Assess progress & performance in achieving specific goals
- Evaluate the effectiveness or efficiency of a process
- Identify areas for improvement
- Ensure alignment with organizational objectives

# Key Performance Indicators

## Three Definitions

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### 1. **Measure / Metric**

- A *measure* is a single unit (e.g., number of incidents in a given month)
- A *metric* may be made of multiple units (e.g., percentage increase or decrease in incidents year over year)
- These terms are often used interchangeably



# Key Performance Indicators

## Three definitions

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### 2. ***KPI***

- Measure/metric used to demonstrate how an organization is achieving key business objectives

### 3. ***Assessment***

- An approach, process, or way of evaluating something that results in measures/metrics

# Building a KPI Program

## Twelve Best Practices...

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# Building a KPI Program

## Twelve Best Practices

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### 1. *Define Your Objectives*

- Determine what aspects of CSIRT performance to measure & improve
- Align these objectives with the overall goals of your organization





# Building a KPI Program

## Twelve Best Practices

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### 1. **Define Your Objectives** examples

- Ensure that our critical data collection systems are appropriately available
- Reduce amount of time analysts spend on specific detections



# Building a KPI Program

## Twelve Best Practices

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### 2. *Select Relevant KPIs*

- Identify KPIs that align with your objectives & measure the desired performance aspects
- Make your KPIs
  - meaningful
  - measurable
  - actionable
- Consider categories such as threat detection, incident response, incident handling, & team performance

# Building a KPI Program

## Twelve Best Practices

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### 2. **Select Relevant KPIs** examples

- Number of data collection systems that have criticality (or SLA) defined
- Availability trend and summary for critical systems
- Amount of analyst time required for each detection (play, report)

# Building a KPI Program

## Twelve Best Practices

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### **3. *Establish a Shared Taxonomy***

- Words matter
- Understand regulatory & compliance requirements
- Adapt from existing frameworks – ATT&CK, CVCC, NIST...
- Validate, socialize
- Examples
  - “incident” vs. “case”
  - Category, Visibility, Sensitivity, Severity, ...

# Building a KPI Program

## Twelve Best Practices

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### **4. *Establish Baselines & Targets***

- Set baseline values
- Derive baselines from historical data, industry benchmarks, or internal performance expectations
- Set realistic targets or goals

# Building a KPI Program

## Twelve Best Practices

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### **4. Establish Baselines & Targets** examples

- 100% data collection systems that have criticality (or SLA) defined
- Critical systems availability target is 99.99%
- Current median analyst time for each each detection is 27 minutes. Target 33% improvement in next 6 months



# Building a KPI Program

## Twelve Best Practices

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### **5. Define Data Collection Methods**

- Determine how you will collect the necessary data to measure each KPI
- Establish accurate, reliable, & consistent data collection methods & sources
- Automate, automate, automate, streamlining data collection processes where possible

# Building a KPI Program

## Twelve Best Practices

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### **6. *Establish Data Analysis & Reporting Processes***

- Define how you will analyze the collected data to derive meaningful insights
- Use appropriate data analysis techniques & tools to track trends, identify patterns, & assess performance
- Establish reporting processes to communicate results to relevant stakeholders in a clear & concise manner

# Building a KPI Program

## Twelve Best Practices

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### **7. *Set Regular Evaluation Intervals***

- Determine the frequency at which you will evaluate & assess the KPIs
- Plan for regular intervals - monthly, quarterly, annually...
- Consistently monitor & track KPIs to observe performance trends & make data-driven decisions

# Building a KPI Program

## Twelve Best Practices

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### 8. *Use Compensating Controls*

- Be careful that your KPI doesn't incentive bad behavior, for example closing cases just to meet a target number
- Combine KPIs so that one controls for another; e.g., documentation completeness vs. case closure
- May require manual review

# Building a KPI Program

## Twelve Best Practices

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### 8. ***Use Compensating Controls*** examples

- Couple analyst Time To Complete with Analyst Escalation Ratio to ensure analysts aren't escalating to meet goal
- Manually sample Incident Categorization to ensure accuracy

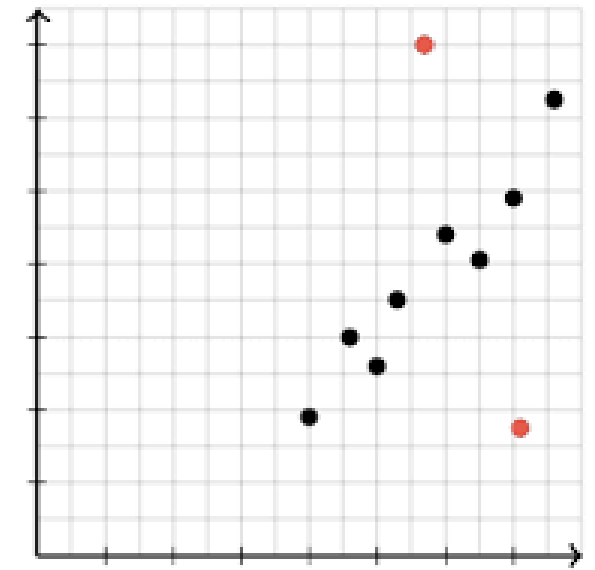
# Building a KPI Program

## Twelve Best Practices

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### 9. *Use Meaningful Statistics / Avoid Outliers*

- Mean / average is often used in KPIs but is only relevant for normal distributions (not timelines)
- Consider median, and/or percentiles to level your numbers & improve accuracy
- Watch sample size





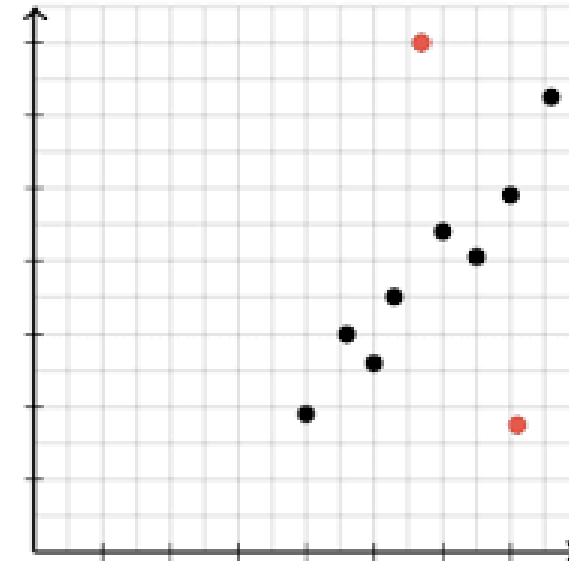
# Building a KPI Program

## Twelve Best Practices

### 9. Use Meaningful Statistics / Avoid Outliers example

Time to
3
6
2
6
8
3
5
45
9
2

Mean: 8.9  
Median 5.5



# Building a KPI Program

## Twelve Best Practices

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### **10. Foster Stakeholder Engagement**

- Engage relevant stakeholders, such as management, CSIRT team members, & other key personnel
- Share relevant KPIs with the correct stakeholders
- Charts & graphs work wonders

# Building a KPI Program

## Twelve Best Practices

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### **11. Improve, Act, Iterate**

- Use the insights gained from KPI analysis to drive continuous improvement
- Identify areas for enhancement; take corrective actions
- Regularly review & update the KPI framework to ensure its relevance & effectiveness

# Building a KPI Program

## Twelve Best Practices

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### **12. Document, Train, Support**

- Document the KPI framework, measurement methods, data sources, & analysis processes
- Maintain a record of results & insights
- Train CSIRT team on KPI importance & use
  - the specific KPIs being measured
  - how they are calculated
  - how their performance impacts CSIRT effectiveness

# Challenges

## Six Things to Keep in Mind

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# Challenges

## Six Things to Keep in Mind

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### **1. Define Relevant & Measurable Metrics**

- Start with thorough understanding of CSIRT operations
- Align measurable outcomes accordingly
- Keep it simple



# Challenges

## Six Things to Keep in Mind

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### **2. *Data Availability & Quality***

- Gathering accurate & reliable data
- Limitations in data collection tools
- Access to relevant data sources
- Inconsistent data quality

# Challenges

## Six Things to Keep in Mind

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### 3. ***Subjectivity in Measurement***

- Some aspects of CSIRT performance can involve subjective judgments (examples include incident severity, customer satisfaction, ...)
- Ensure consistency & objectivity in measuring such metrics
- Avoid bias

# Challenges

## Six Things to Keep in Mind

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### **4. *Balancing Quantity & Quality***

- Too many metrics can lead to information overload & diluted insights
- Strike the right balance between quantity & quality of KPIs.
- Keep it simple

# Challenges

## Six Things to Keep in Mind

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### **5. *Organizational Support & Buy-In***

- Provide clear communication of the benefits and value of KPIs
- Address any concerns or resistance to change
- Keep it simple

# Challenges

## Six Things to Keep in Mind

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### 6. ***Statistical Mistakes***

- Base Rate Fallacy
- Mean vs. Median (or other statistic)
- Sampling Error
- You may have to complicate things a little

# Base Rate Fallacy Example

## Phish

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You correctly flag 98% of actual phish emails (TP); incorrectly flag 2% (FP)  
You assume an email flagged as a phish has a 98% chance of being a phish

# Base Rate Fallacy Example

## Phish

---

You correctly flag 98% of actual phish emails (TP); incorrectly flag 2% (FP)  
You assume an email flagged as a phish has a 98% chance of being a phish

- 10,000 emails → 100 phish, 9,900 legitimate
  - $100 * 98\% = 98$  TP alerts
  - $9,900 * 2\% = 198$  FP alerts
  - 98 of 296 alerts = 33%
- } 296 alerts total

Your flagged email has a 33% chance of being a phish

# Samples

## Ideas for KPIs and Metrics

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# Sample KPIs

## CSIRT KPI Categories

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1. Threat Detection
2. Incident Timeline
3. Incident Handling
4. Team Performance

# Sample KPIs

## Threat Detection

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### 1. ***Threat Detection Coverage***

- Evaluate the extent & comprehensiveness of threat detection activities by measuring the percentage of the environment or specific systems covered detection
- This ensures adequate coverage across critical assets & areas of potential risk

# Sample KPIs

## Threat Detection

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### **2. *Detection Efficiency (FP / TP)***

- Use the ratio of confirmed threats discovered through specific detection activities to the number of alerts to evaluate process or content efficiency

### **3. *Threat Intelligence Utilization:***

- Evaluate the integration & utilization of threat intelligence feeds, indicators, & analysis into the threat detection process

# Sample KPIs

## Threat Detection

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### **4. *Data Source Usage***

- Evaluate your data sources for effectiveness & efficiency
- e.g., how many incidents can be attributed to each source? FP / TP Ratio, etc.

# Sample KPIs

## Threat Detection

# USING MITRE ATT&CK<sup>®</sup> AS COVERAGE KPI

ATT&CK framework provides a comprehensive knowledge base of adversary tactics, techniques, & procedures (TTPs)

### Tactics (why)

Name

Reconnaissance

Resource Development

Initial Access

Execution

Persistence

### Techniques (how)

#### **T1548 Abuse Elevation Control Mechanism**

.001 Setuid and Setgid

.002 Bypass User Account Control

...

#### **T1134 Access Token Manipulation**

.001 Token Impersonation/Theft

.002 Create Process with Token

...

#### **T1531 Account Access Removal**

...

# Sample KPIs

## Threat Detection

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# USING MITRE ATT&CK® AS COVERAGE KPI

### 1. **Map Security Controls**

- Map your detection mechanisms to the specific techniques & tactics defined in the ATT&CK framework

### 2. **Analyze Coverage**

- Assess security controls coverage against relevant ATT&CK techniques & tactics
- Identify gaps in coverage or areas for improvement

### 3. **Evaluate Detection Capability**

- Evaluate the effectiveness of your detection mechanisms for each mapped technique

# Sample KPIs

## Threat Detection

### ATT@CK COVERAGE

Collection	Command and Control	Credential Access	Defense Evasion	Discovery	Execution
Automated Collection	Commonly Used Port	Credentials in Registry	Access Token Manipulation	Application Window Discovery	Execution Exploitation
Data from Information Repositories	Communication Through Removable Media	Forced Authentication Input Prompt	Binary Padding	Browser Bookmark Discovery	Execution Graphical UI
Data from Removable Media	Connection Proxy	Kerberoasting	Bypass User Account Control	Network Service Scanning	Execution Scheduling
Data Staged	Custom Command and Control Protocol	Network Sniffing	CMSTP	Network Share Discovery	Execution User Enumeration
Email Collection	Data Obfuscation	Securityd Memory	Code Signing	Network Share Discovery	Execution Windows Management
Input Capture	Fallback Channels	Bash History	Control Panel Items	Network Sniffing	Execution Instrumentation
Man in the Browser	Multilayer Encryption	Credential Dumping	DCShadow	Password Policy Discovery	Execution Window Management
Screen Capture	Port Knocking	Credentials in Files	DLL Side-Loading	Peripheral Device Discovery	Execution LSASS
Video Capture	Remote Access Tools	Hooking	Exploitation for Defense Evasion	Query Registry	Execution Third-party
Audio Capture	Remote File Copy	Two Factor Authentication	Extra Window Memory Injection	Remote System Discovery	Execution Apple
Clipboard Data	Standard Application Layer Protocol	Interception	File Deletion	Security Software Discovery	Execution Command
Data from Local System	Standard Cryptographic Protocol	Brute Force Exploitation for Credential Access	Gatekeeper Bypass	System Information Discovery	Execution Interception
Data from Network Shared Drive	Standard Non-Application Layer Protocol	Keychain	HISTCONTROL	System Network Discovery	Execution Dynamic
	Uncommonly Used Port	Password Filter DLL	Indicator Blocking	System Network Configuration Discovery	Execution Exchange
	Web Service		Indicator Removal From Tools	System Network Configuration Discovery	Execution Software
	Custom Cryptographic Protocol		Indicator Removal on Host	System Network Configuration Discovery	Execution Software
			Indirect Command	System Network Configuration Discovery	Execution Software

**Play Coverage**

- Multiple
- 1
- None

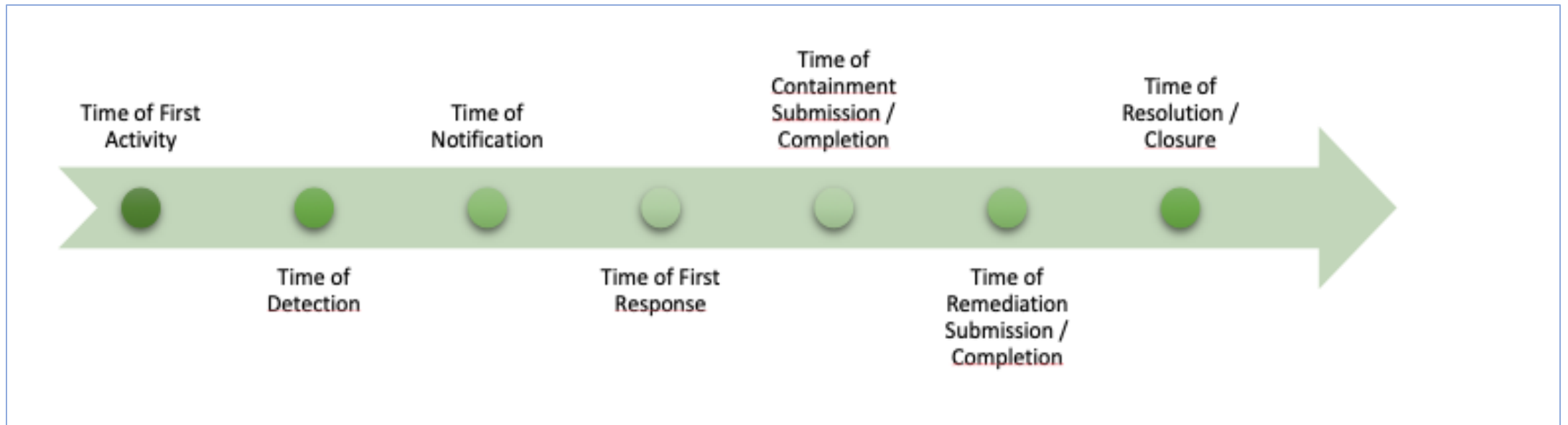
**Tactic**

- (All)
- Collection
- Command and Cont...
- Credential Access
- Defense Evasion
- Discovery
- Execution
- Exfiltration
- Initial Access
- Lateral Movement
- Persistence

# Sample KPIs

## Incident Timeline

### “STANDARD” INCIDENT TIMELINE



- Capture timeline points
- Automate, automate, automate



# Sample KPIs

## Incident Timeline

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# TIMELINE RECORDS

### 1. *First Activity*

- The earliest event in a confirmed chain of events that led to the incident

### 2. *Detection*

- A control, detection mechanism, or a human observer recognizes that an incident or suspicious activity has occurred

### 3. *Notification*

- The individuals responsible for investigating an event or incident are made aware of its detection

# Sample KPIs

## Incident Timeline

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# TIMELINE RECORDS

### **4. Notification**

- The individuals responsible for investigating an event or incident are made aware of its detection

### **5. First Response**

- Someone acts upon receiving a notification or alert related to the incident

### **6. Containment**

- The incident is controlled & prevented from further spreading or causing damage

# Sample KPIs

## Incident Timeline

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# TIMELINE RECORDS

### **7. *Time of Remediation***

- An affected target asset is successfully restored to its pre-incident state or permanently removed from the environment

### **8. *Closure***

- When all necessary follow-up activities, analysis, reporting, & post-mortem processes related to the incident have been completed

# Sample KPIs

## Incident Timeline

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### SAMPLE METRICS DERIVED FROM TIMELINE

<i>Time of First Activity</i>	<i>Time of Detection</i>	<i>Time of First Response</i>	<i>Time of Containment</i>	<i>Time of Remediation</i>
<b>Time to Detect</b>				
<b>Time to Respond</b>				
<b>Time to Contain</b>				
<b>Time to Remediate</b>				

# Sample KPIs

## Incident Timeline

### KEY TIMELINE METRICS

Name	Importance	Goal (by tracking)	Formula
<b><i>Time to Detect</i></b>	High - Must-Have	Minimize the time it takes to identify and recognize potential security threats or incidents  Enhance threat detection systems and reduce the dwell time of malicious activities	Time of Detection - Time of First Activity
<b><i>Time to Respond</i></b>	Medium - Recommended	Minimize the time it takes to mobilize incident response efforts and begin taking proactive steps to mitigate the impact of the incident.  Enhance incident response efficiency, reduce the potential damage caused by the incident, and minimize the overall risk exposure..	Time of First Response - Time of First Activity

# Sample KPIs

## Incident Timeline

### KEY TIMELINE METRICS

Name	Importance	Goal (by tracking)	Formula
<b><i>Time to Contain</i></b>	High - Must-Have	<p>Minimize the time it takes for an organization to halt the progression and impact of a security incident.</p> <p>Limit the potential damage caused by the incident, prevent further compromise of systems or data, and minimize the disruption to normal business operations.</p>	Time of Containment - Time of First Activity
<b><i>Time to Remediate</i></b>	Medium - Recommended	<p>Minimize the time it takes for an organization to restore normalcy and eliminate the root cause of the incident.</p> <p>Reduce the overall impact of the incident, minimize the potential for recurrence, and restore the affected systems or assets to their desired security posture.</p>	Time of Remediation - Time of First Activity

# Sample KPIs

## Incident Handling

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### 1. ***Incident Categorization Accuracy***

- Measure the incident categorization accuracy can be done by comparing the categorization performed by the CSIRT with a reference or benchmark categorization (more later)

### 2. ***Incident Trend Analysis***

- Analyze incident data over time to identify patterns, trends, & recurring incidents
- Uncover insights into the organization's security posture, highlight emerging threats, & support proactive mitigation efforts

### 3. ***Incident Backlog***

- Monitor the number of open & unresolved incidents at any given time
- Assess the team's capacity & workload, ensuring that incidents are managed in a timely manner

# Sample KPIs

## Incident Handling

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### **4. Incident Escalation Rate**

- Measure the percentage of incidents that require escalation to higher-level teams or external entities for resolution
- Identify the complexity & severity of incidents & highlights potential areas for improvement in the incident handling process

### **5. Incident Documentation Completeness**

- Measure the completeness & accuracy of incident documentation, including incident reports, post-incident reviews, & lessons learned
- Ensures that incidents are properly documented for future reference & continuous improvement



# Sample KPIs Categorization

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## SAMPLE APPROACH FOR CATEGORIZATION ACCURACY

### **1. Establish a Categorization Framework**

- Define a standardized categorization framework that reflects the different types or classifications of security incidents relevant to your organization
- Make it comprehensive & well-documented

### **2. Reference or Benchmark Categorization**

- Select a set of historical or representative security incidents & perform a categorization by an experienced team
- This is the reference or benchmark for accuracy comparison

# Sample KPIs

## Categorization

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# SAMPLE APPROACH FOR CATEGORIZATION ACCURACY

### 3. *Comparison & Analysis*

- Compare the categorization performed by the CSIRT for a given set of incidents with the reference or benchmark categorization

### 4. *Create Accuracy Metrics*

- Calculate accuracy metrics based on the comparison results  
Commonly used metrics include:
  1. Accuracy Percentage: % of incidents correctly categorized by out of the total incidents evaluated
  2. True Positive Rate: Measure the proportion of incidents correctly categorized as belonging to a specific category out of all incidents in that category
  3. False Positive Rate: Measure the proportion of incidents incorrectly categorized as belonging to a specific category out of all incidents not in that category

# Sample KPIs Categorization

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## SAMPLE APPROACH FOR CATEGORIZATION ACCURACY

### **5. Regular Monitoring & Feedback**

- Continuously monitor & assess incident categorization accuracy over time
- Provide feedback to the CSIRT based on the results to help improve their categorization process, refine the categorization framework, or provide additional training & guidance

# Sample KPIs

## Staff Management

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### 1. ***Staff training & certification***

- Measure the percentage of CSIRT team members who successfully complete required training programs, courses, or certifications within a specific timeframe
- This KPI reflects the team's commitment to continuous learning & professional development

### 2. ***Customer Satisfaction***

- Obtain feedback from internal stakeholders, such as employees or system users, on their satisfaction with the CSIRT team's performance & support
- This KPI measures the quality of service provided by the team & identifies areas for improvement

# Sample KPIs

## Staff Management

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### 3. *Employee Retention*

- Measure the rate of voluntary attrition at each role & seniority level
- Pair this KPI with exit interviews to identify issues or areas for improvement within the organization
- This can also be used to work with senior management to provide evidence-based needs of training, additional staffing, or other team strengthening needs

### 4. *Skill Proficiency*

- Identify both strength & gaps in the various technical domains required to address the threats faced by the organization
- Use this to work with senior management for additional training resources or to develop strategies to address gaps
- Also showcase your skills!

# Sample KPIs

## Staff Management – Skills Matrix

SUBJECT	Endpoint Protection (log understanding)	Rating 1-10	
	Cisco Secure Endpoint (AMP)	1	<b>Level 1-2: Novice</b>
	OSQuery/ Orbital		
<b>Operation Systems Basics</b>	Cisco XDR	2	<ul style="list-style-type: none"> <li>•Understanding: Limited understanding of technical concepts, indicating a foundational knowledge base.</li> <li>•Autonomy: Requires significant guidance and supervision, suggesting a need for support and mentoring.</li> </ul>
MacOS	MS INTUNE		
Apple iOS	Tanium	3	<b>Level 3-4: Beginner</b>
Linux	E-Mail		
Android	Office 365	4	<ul style="list-style-type: none"> <li>•Understanding: Basic understanding of key technical concepts, showing progress from the novice level.</li> <li>•Autonomy: Can perform simple tasks independently, demonstrating a growing ability to work autonomously.</li> </ul>
Cisco IOS	Cisco Email Security Appliance		
Windows	<b>Networking</b>	5	<b>Level 5-6: Intermediate</b>
<b>Cloud Platform</b>	Networking Fundamentals		
Azure	Routing and Switching	6	<ul style="list-style-type: none"> <li>•Understanding: Demonstrates a good understanding of core technical concepts, showcasing a more advanced knowledge.</li> <li>•Autonomy: Can work independently on routine tasks, indicating increased self-sufficiency.</li> </ul>
Container Security	DNS & DHCP		
AWS	NVM	7	<b>Level 7-8: Advanced</b>
GCP	IDS/ IPS		
Kubernetes	Netflow	8	<ul style="list-style-type: none"> <li>• Understanding: Possesses in-depth knowledge of technical domains, indicating a high level of expertise.</li> <li>• Autonomy: Can design and implement solutions independently, indicating a high degree of autonomy.</li> </ul>
Cloud Security Posture Management (J1, Wiz.io)	Network Access Control (NAC)/Cisco Identity S		
<b>Infrastructure</b>	Cisco Secure Client (Anyconnect)	9	<b>Level 9-10: Expert/Thought Leader</b>
Active Directory	Web Proxy and Firewall		
Azure AD	<b>Malware and forensics</b>	10	<ul style="list-style-type: none"> <li>• Understanding: Achieves mastery of technical skills and concepts, indicating the highest level of proficiency.</li> <li>• Autonomy: Works with high degree of autonomy on highly complex and strategic initiatives. Recognized as a thought leader.</li> </ul>
Azure Cloud PC	Windows Advanced/Forensics		
Virtualisation - Citrix	Linux Advanced/Forensics		
Virtualisation - VMWare	Sandbox/ (ThreatGrid)		
SQL   Oracle	Memory Forensics		
Virtualisation - M365	Mac Advanced/Forensics		
Exchange	Mobile Forensic		
Apache	Malware Reverse Engineering		
Atlassian			
Identity Management (DUO/ Ping/ Okta)?			

# Exercises

## Two Exercises

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# Exercise 1

## FIRST CSIRT Services Framework

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The following exercise uses materials from the FIRST CSIRT Services Framework which can be found at

[https://www.first.org/standards/frameworks/csirts/csirt\\_services\\_framework\\_v2.1](https://www.first.org/standards/frameworks/csirts/csirt_services_framework_v2.1)

- Brainstorm a set of metrics for Function 5.1.2
- Using the template, provide details for at least one of them



# Exercise 1

## FIRST CSIRT Services Framework

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### ***Goal***

- Develop useful metrics for specific CSIRT functions

### ***Process***

- Review the CSIRT Function
- Divide into groups
- Take 15 minutes to develop 2-3 metrics
- Present & review with larger group

# Exercise 1

## KPI Template

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KPI	Values
Name	
Description	
Type	[Efficiency, Effectiveness, Implementation, Impact]
Data Required	
How is Data Collected	
Challenges	
Additional Notes	

# Exercise 1

## 5.1 Service: Monitoring & Detection

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### 5.1 Service: Monitoring and detection

**Purpose:** Implement automated, continuous processing of a wide variety of information security event sources and contextual data in order to identify potential information security incidents, such as attacks, intrusions, data breaches or security policy violations.

**Description:** Based on logs, NetFlow data, IDS alerts, sensor networks, external sources, or other available information security event data, apply a range of methods from simple logic or pattern matching rules to the application of statistical models or machine learning in order to identify potential information security incidents. This can involve a vast amount of data and typically, but not necessarily, requires specialized tools such as Security Information and Event Management (SIEM) or big data platforms to process. An important objective of continuous improvement is to minimize the number of false alarms that need to be analyzed as part of the Analyzing service.

**Outcome:** Potential information security incidents are identified for analysis as part of the Analyzing service.

The following functions are considered to be part of the implementation of this service:

- Log and sensor management
- Detection use case management
- Contextual data management

# Exercise 1

## 5.1.2 Function: Detection Use Case Management

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### 5.12 Function: Detection Use Case Management

**Purpose:** Manage the portfolio of detection use cases through their entire lifecycle.

**Description:**

- New detection approaches are developed, tested, and improved, and eventually onboarded into a detection use case in production.
- Instructions for analyst triage, qualification, and correlation need to be developed, for example in the form of playbooks and Standard Operating Procedures (SOPs).
- Use cases that do not perform well, i.e., that have an unfavorable benefit/effort ratio, need to be improved, redefined, or abandoned.
- The portfolio of detection use cases should be expanded in a risk-oriented way and in coordination with preventive controls.

**Outcome:**

A portfolio of effective detection use cases that are relevant to the constituency is developed.

# Exercise 2

## Threat Detection & Team Performance

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### ***Scenario:***

- You manage a team of analysts that conduct threat detection (monitoring) through a well-defined process of systematic queries against your SIEM.
- These queries target specific threats, and each is run on pre-defined schedule (e.g., 4x daily).
- All analysts are expected to run any query as it comes up in schedule.
- Results/events are analyzed according to instructions and marked as True Positive, False Positive, Benign, or Duplicate.
- When analysis is inconclusive, the events are escalated to a next level team.

# Exercise 2

## Threat Detection & Team Performance

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- Develop a draft set of multiple KPIs that you might use to monitor this scenario (Consider brainstorming this draft)
- Select one or more of your KPIs and define it as per the previous exercise
- Pay close attention to:
  1. Why you are developing the metric. What does it tell you?
  2. What are the realistic challenges you may face implementing this metric?





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