

HOW WE SAVED THE DEATH STAR AND IMPRESSED LORD VADOR

ADMIRAL MATTHEW VALITES

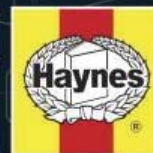
ADMIRAL JEFF BOLLINGER

**THINGS ARE NOT GOING WELL
FOR THE IMPERIAL ARMY...**



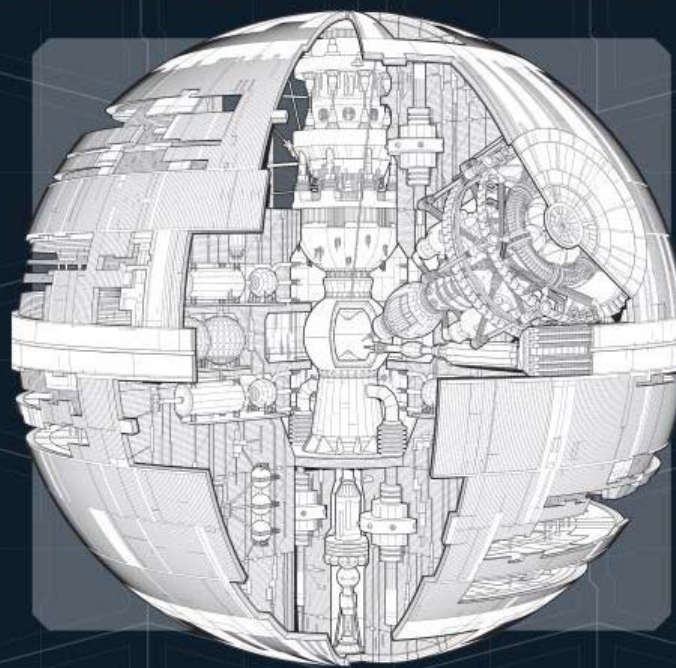
**PRINCESS LEIA EXFILTRATES
DEATH STAR PLANS**

STAR WARS[®]
DEATH STAR



Imperial DS-1 Orbital Battle Station

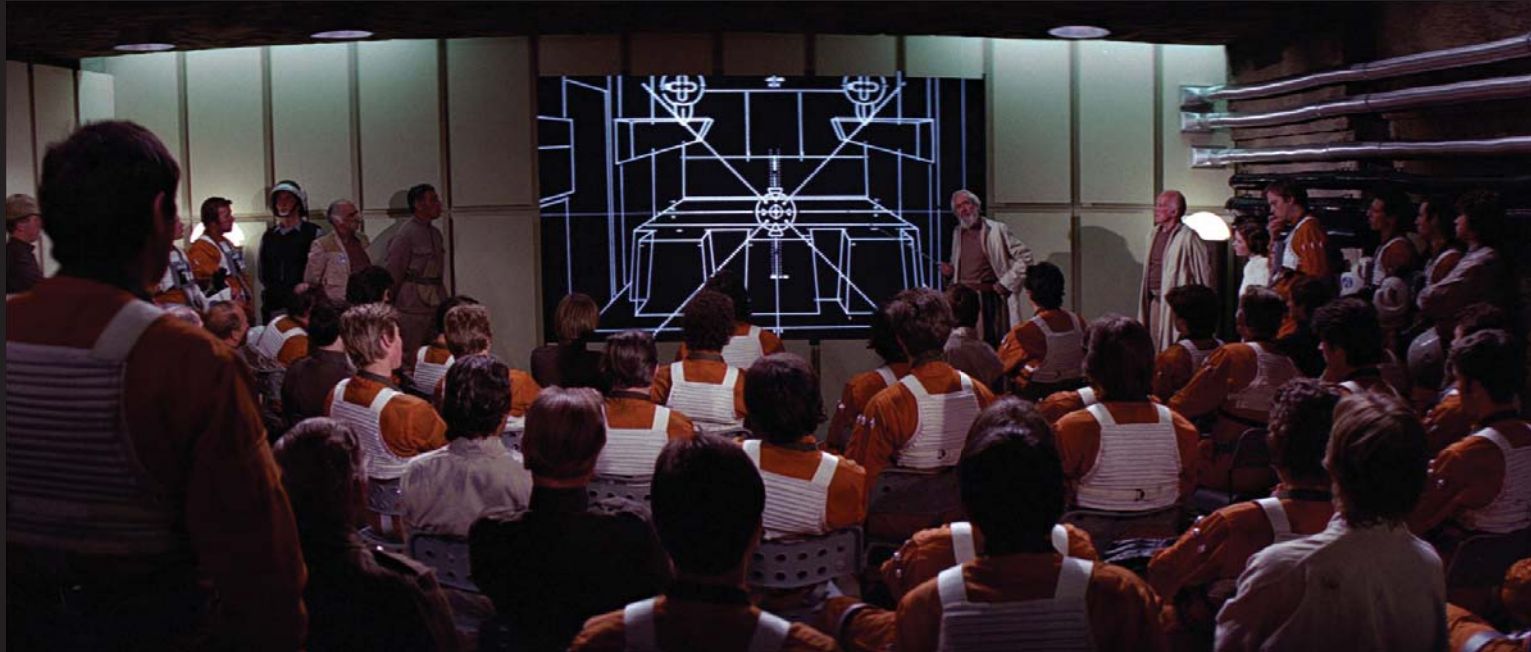
Owner's Technical Manual



Ryder Windham, Chris Reiff, and Chris Trevas



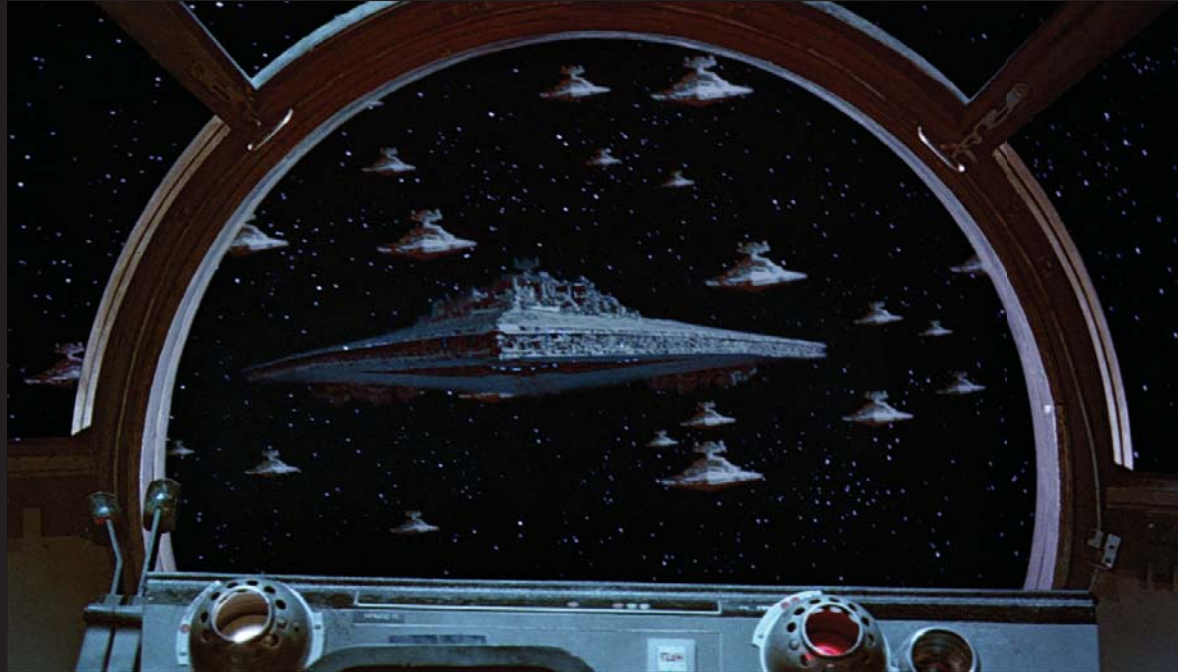
**HAN AND LUKE RESCUE THE
PRINCESS AND **ESCAPE CAPTURE**
ON THE DEATH STAR**



**USING EXFILTRATED DATA, REBELS ATTACK
AN UNPATCHED VULNERABILITY,
DESTROYING THE FIRST DEATH STAR**



**LORD VADOR FIRES CISO AND RE-
ORGS THE IMPERIAL ARMY SECURITY
MONITORING CAPABILITIES**



**LORD VADOR AND THE
EMPEROR USE A HONEYPOT
TO TRAP LUKE**

ADMIRAL MATTHEW VALITES

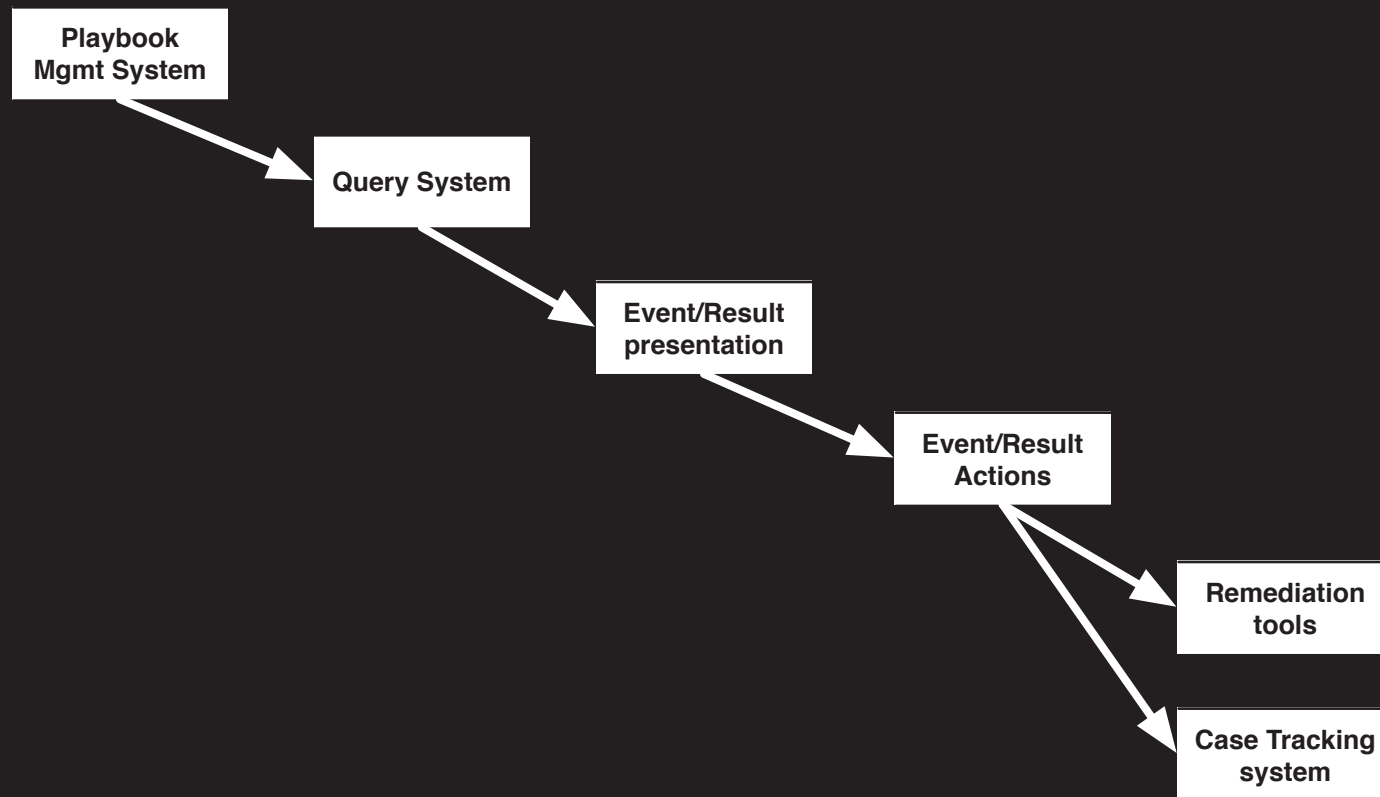
BIO BLAH BLAH BLAH

ADMIRAL JEFF BOLLINGER

BIO BLAH BLAH BLAH

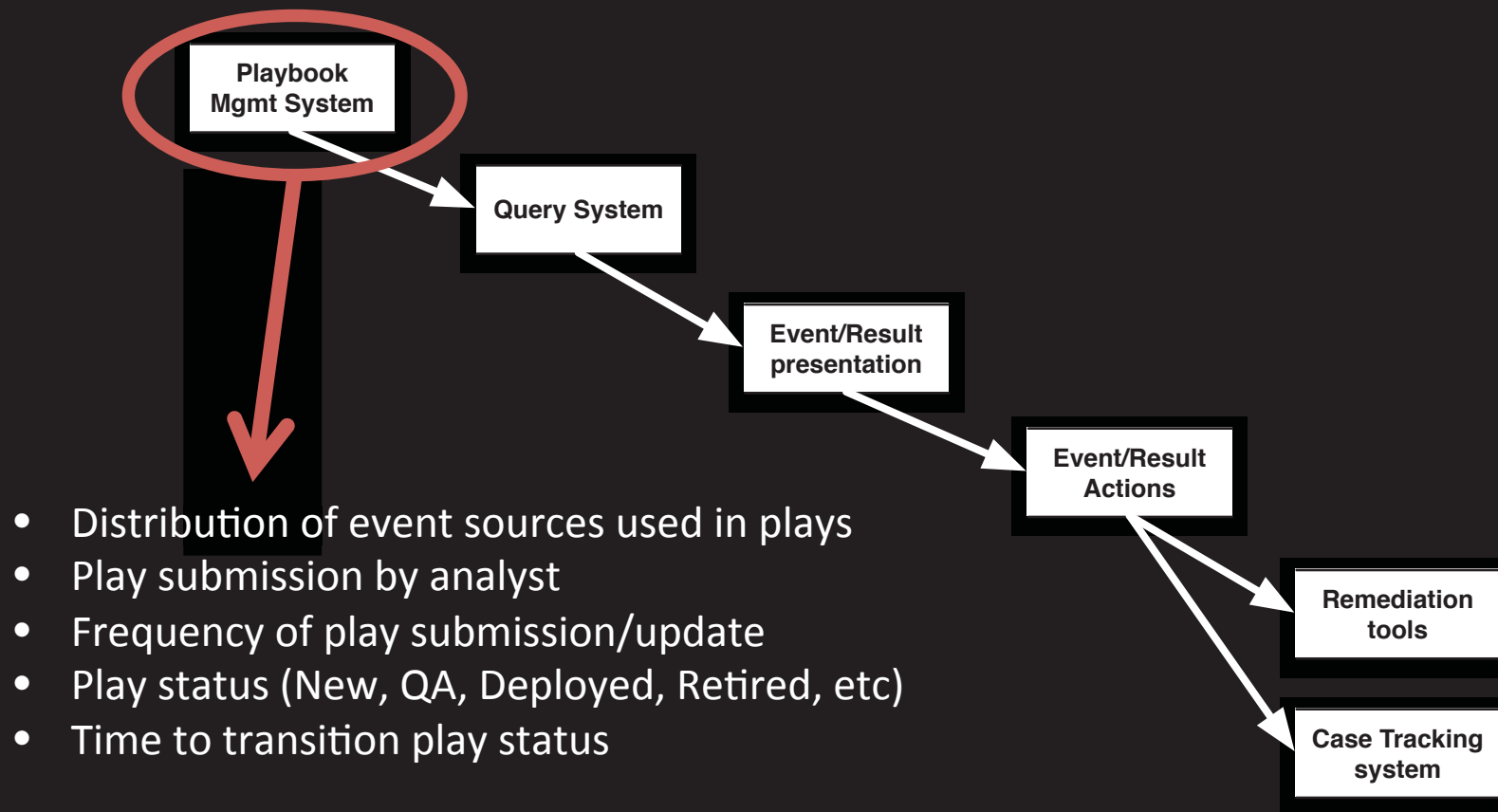
GETTING THE RIGHT METRICS

SECURITY MONITORING PROCESS



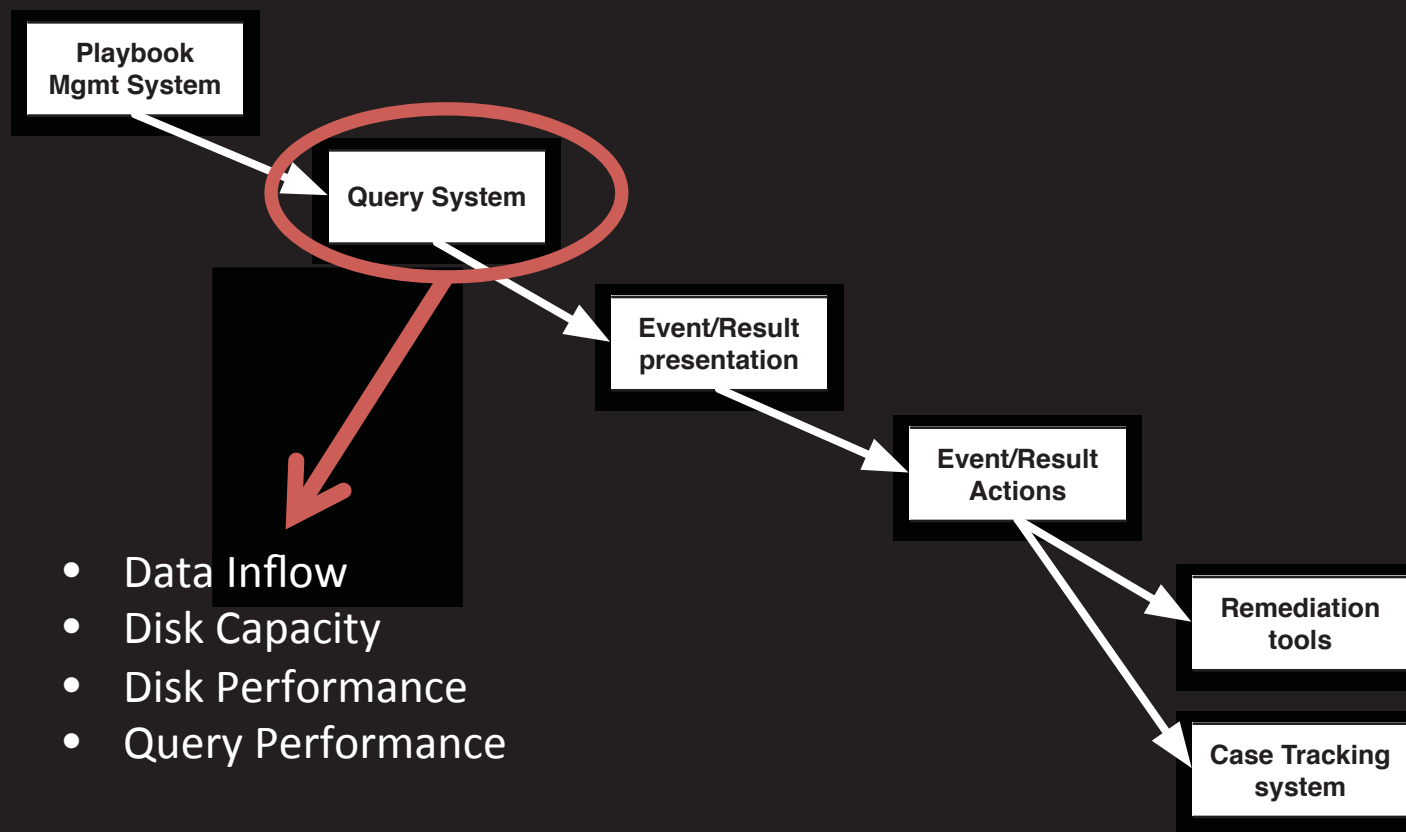
GETTING THE RIGHT METRICS

SECURITY MONITORING PROCESS



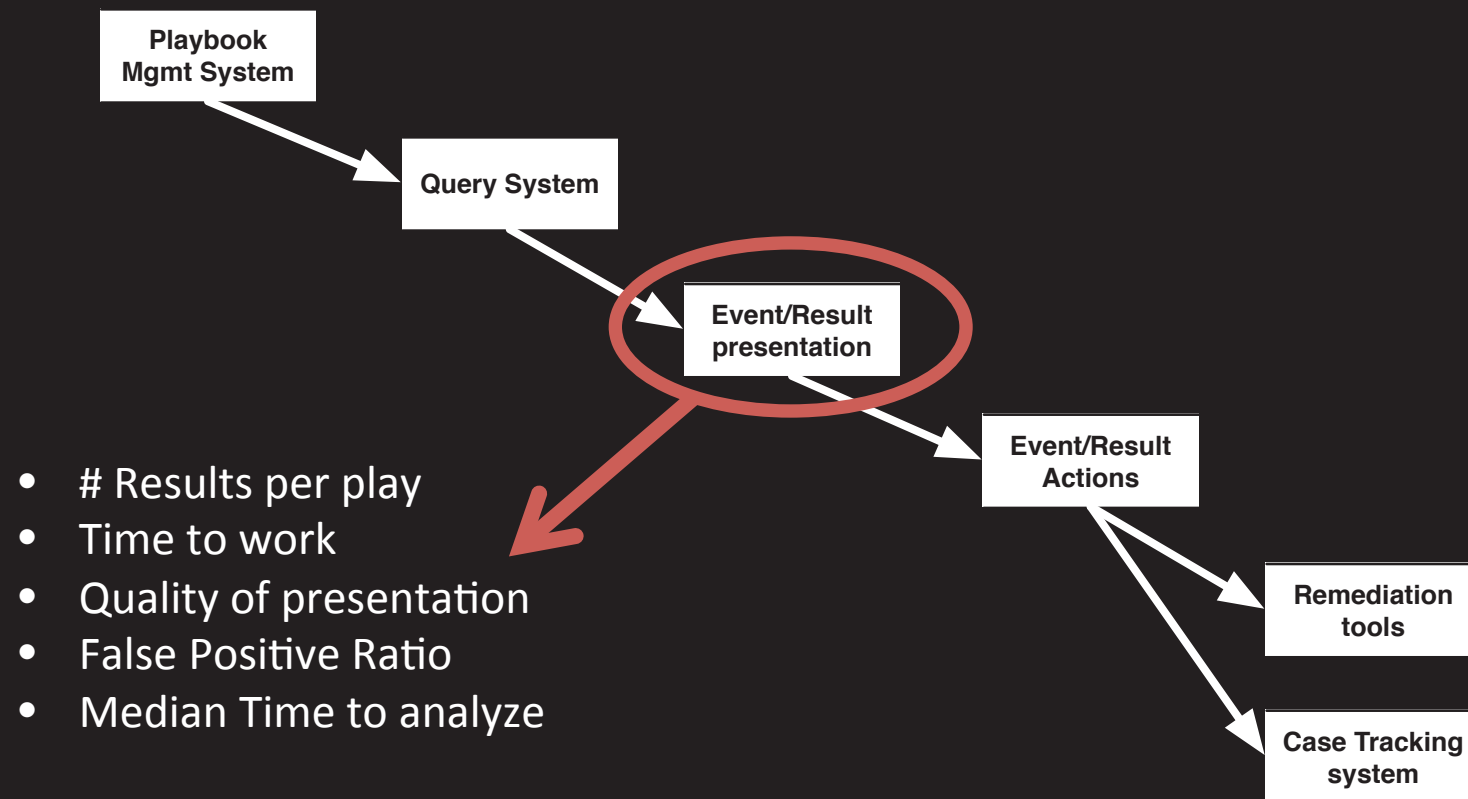
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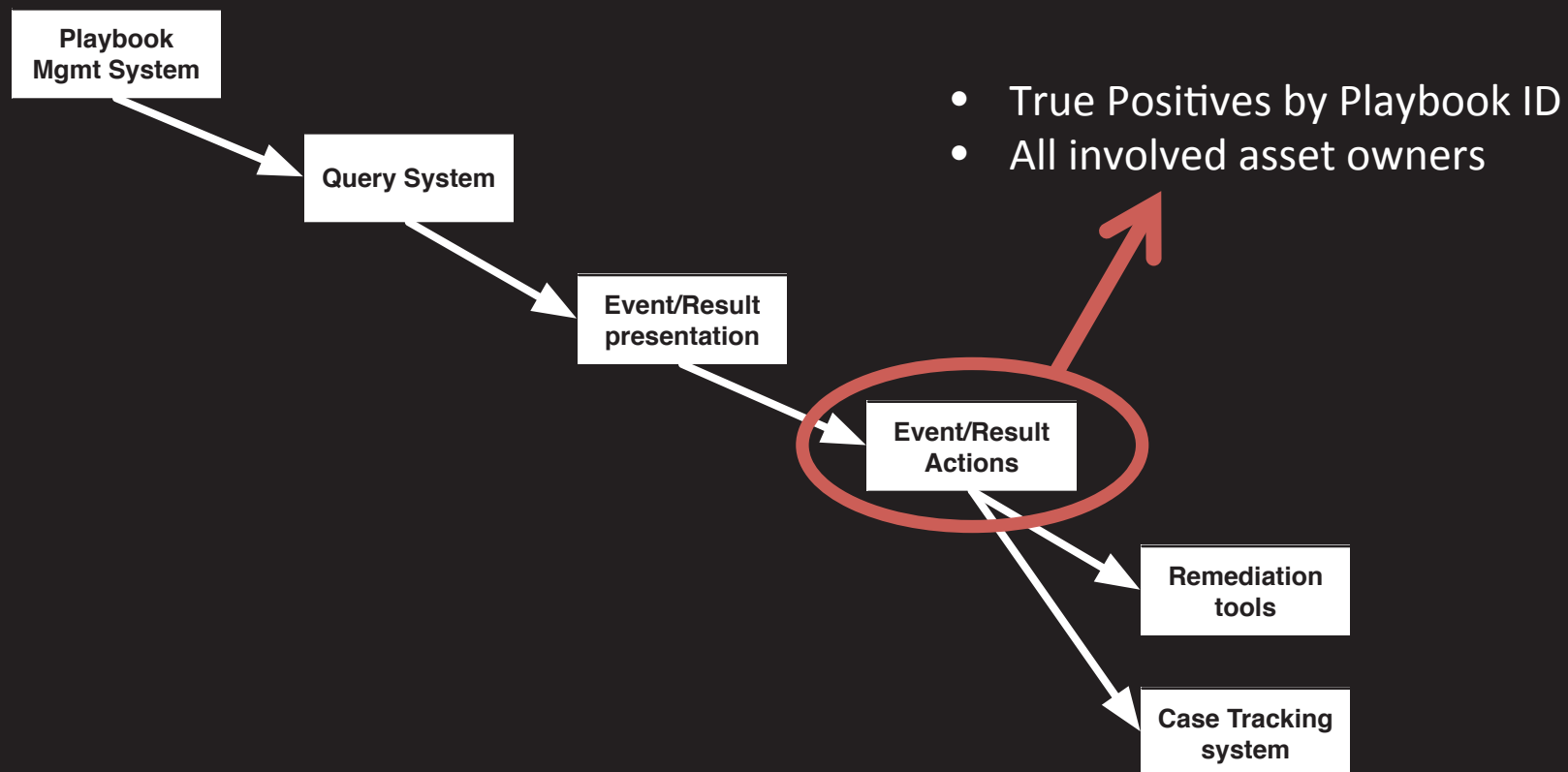
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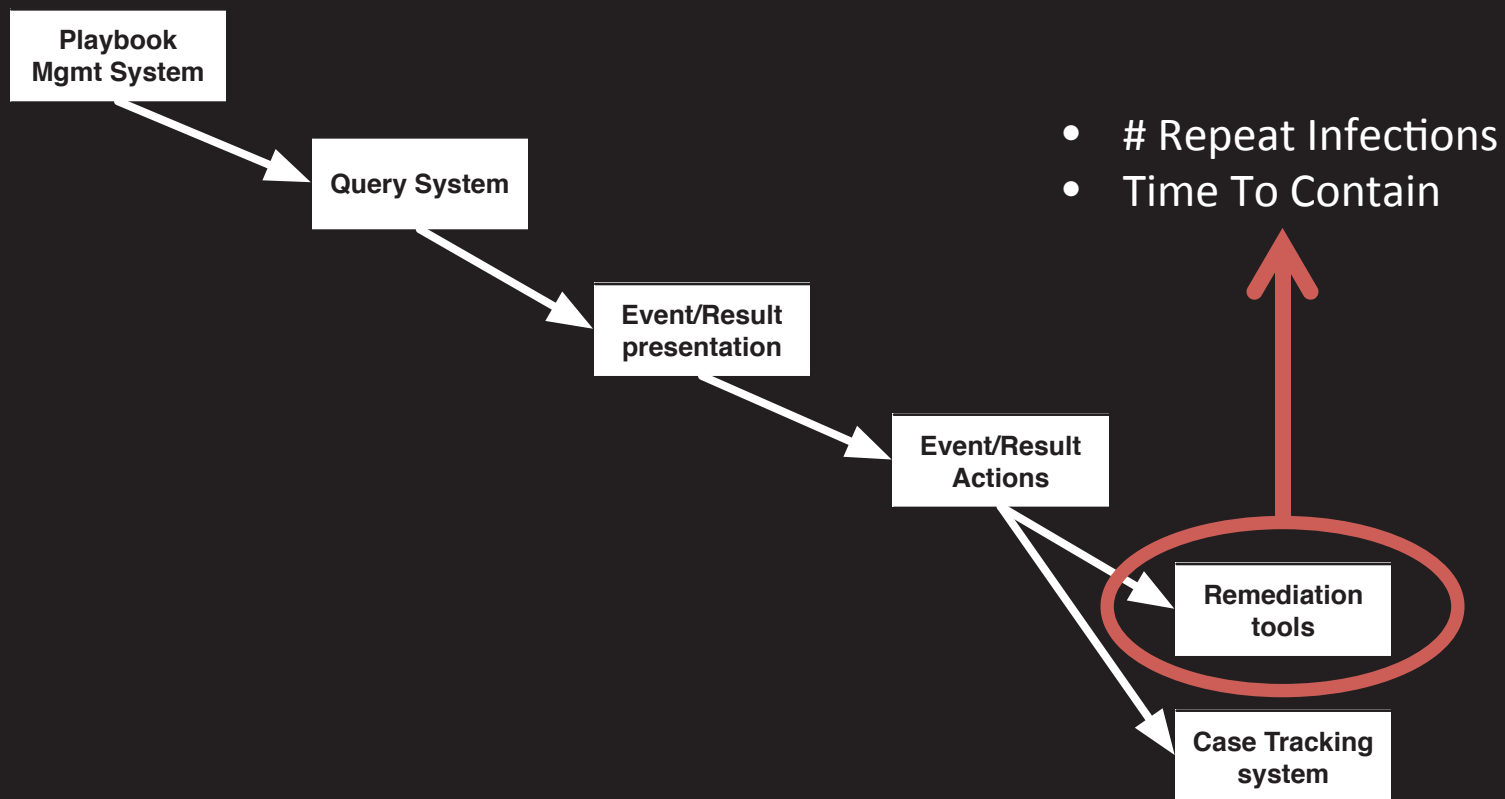
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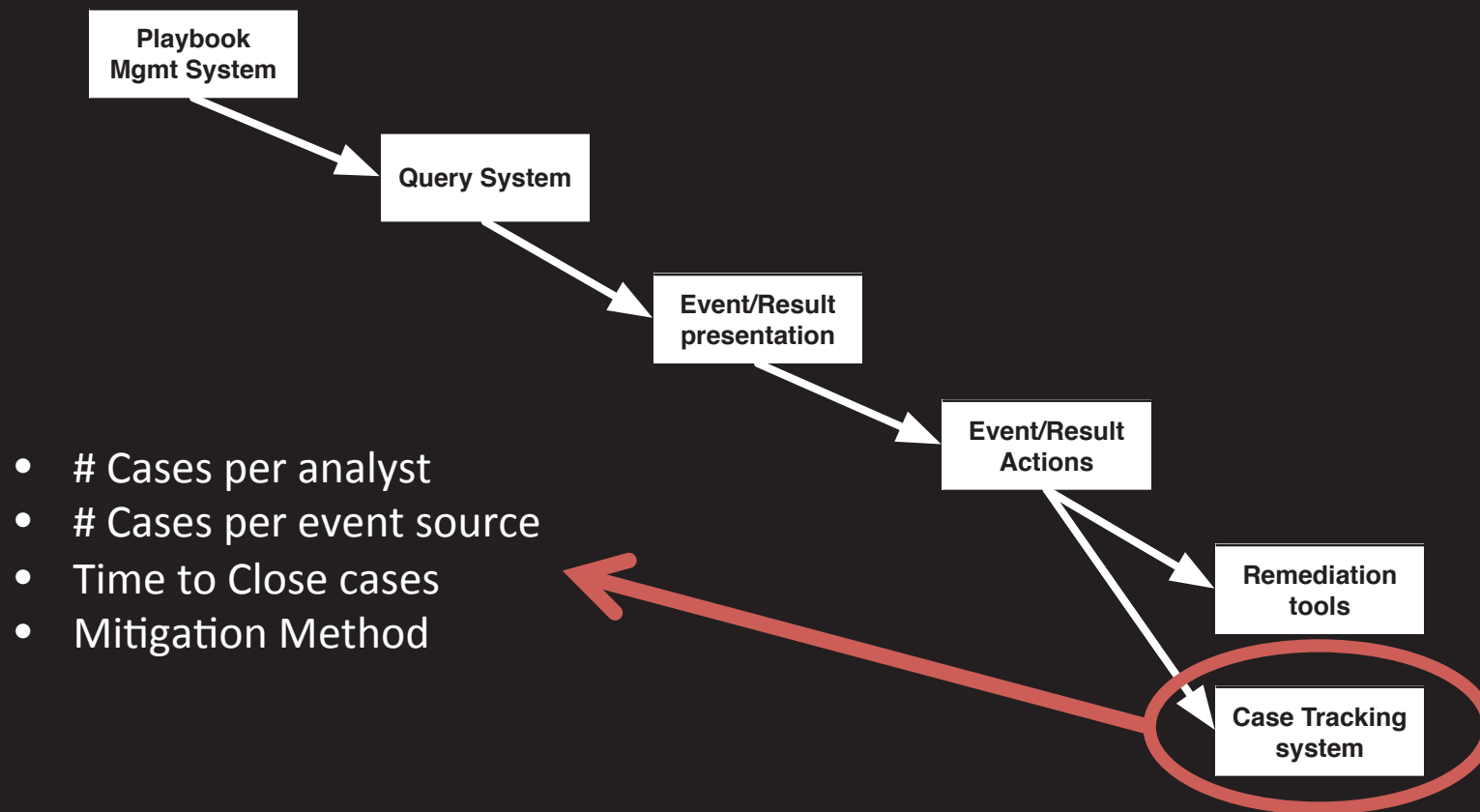
GETTING THE RIGHT METRICS

SECURITY MONITORING PROCESS



GETTING THE RIGHT METRICS

SECURITY MONITORING PROCESS



USING A COMMON LANGUAGE

'INCIDENT'

- Asset compromise?
- Involves one host or multiple hosts?
- Synonymous with a case?

'TIME TO CONTAIN / WORK / MITIGATE'

- When does the clock start?
- When is an incident contained?
- How does mitigate differ from remediation?

'PLAY EFFICACY'

- Why classify plays as benign?
- What is the base rate fallacy?



USING A COMMON LANGUAGE

TTD/TTC/TTM

INCIDENT TIMELINE

T0: First Activity

Beginning of incident;
e.g. host infected

T1: Detection

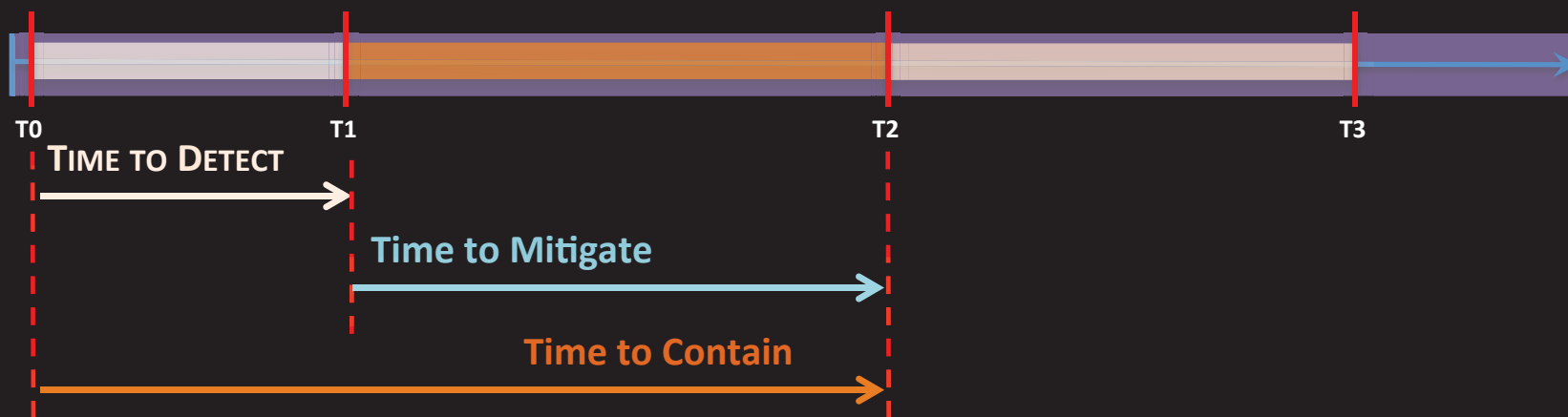
Awareness of breach, via
detection technology or other
notification

T2: Containment

Breach is no longer able to
do damage or spread

T3: Remediation

Asset is cleaned, threat
is removed



USING A COMMON LANGUAGE

PLAY EFFICACY

4 RESULT TYPES:

- True Positive
- False Positive
- Benign
- Indeterminable

FALSE POSITIVE PARADOX:

Given:

- 90% TP rate
- 0.015% FP rate

Assuming 1 in 1,000,000 events are malicious:

- 0.59% probability of TP