

presentation



essentials  
CYBERSECURITY - UK

# INFORMATION CLASSIFICATION



[github.com/RafaVRport](https://github.com/RafaVRport)



19 carrousel slides

# WHAT YOU'LL READ HERE

ON INFORMATION CLASSIFICATION

- SECURITY BY DESIGN
- IMPORTANCE OF CLASSIFICATION
- PROACTIVE MEASURES
- THE 'CIA' TRIAD
- CONSENT



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# SECURITY BY DESIGN

SECURE BY PLANNING FIRST

PROACTIVE/PREVENTIVE  
*DEFENSIVE*

REACTIVE/RESPONSIVE  
*DETECTIVE*





## KNOW WHAT TO DEFEND: IDENTIFY & PROTECT

- THE POTENTIAL VALUE
- INFORMATION CLASSIFICATION
- DEFINE CYBER DEFENSE POINTS
- DEFINE CONTROL TYPES
- WHAT NEED(s) DEFENSE-IN-DEPTH?

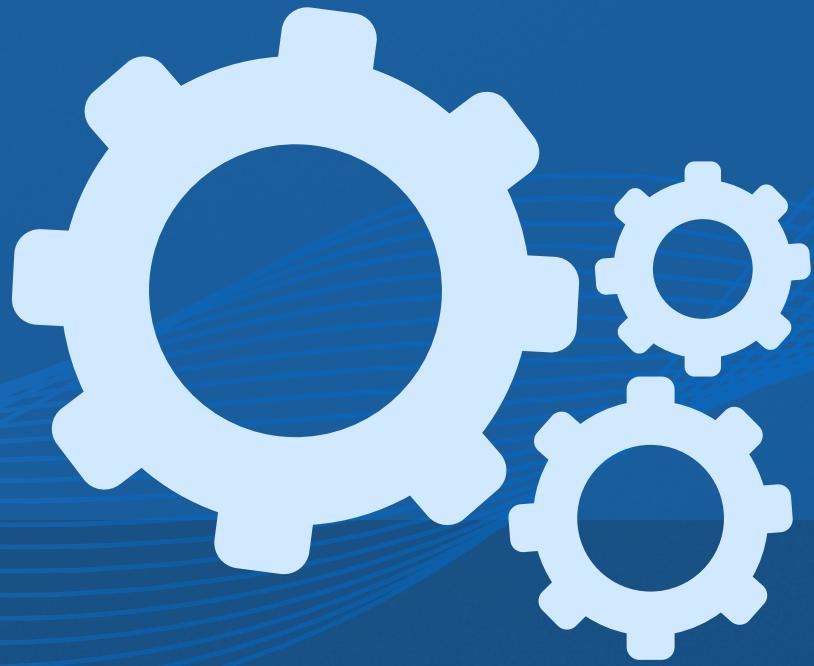
! WHEN AN EXPLOITATION OCCURS !



DETECT - RESPOND - RECOVER  
*ALL CONTROL MODES OF SECURITY BY  
PREVENTION/DETECTION/CORRECTION*



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IT IS LESS COSTLY TO PREVENT, PUT LAYER(S) OF CONTROL(S) IN PLACE, AND DO THE NECESSARY MONITORING THAN RESPONDING TO INCIDENTS IN SECURITY. THUS, A CYBERSECURITY PROFESSIONAL SHOULD KNOW HOW TO PROTECT/DEFEND BY DESIGN



# IMPORTANCE OF CLASSIFICATION

PROTECTING ACCORDINGLY

IDENTIFY & CLASSIFY  
DATA IS KEY – PROTECT  
THEM FROM UNAUTHORIZED  
ACCESS

BY SYSTEMATICALLY DETERMINING WHICH INFORMATION GROUPS HOLD THE HIGHEST VALUE, WE CAN BETTER ASSESS THEIR UNIQUE SECURITY NEEDS AND ESTABLISH CLEAR PRIORITIES FOR PROTECTION



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**THIS STRATEGIC APPROACH IS  
FOUNDATIONAL FOR BUILDING  
RESILIENT DEFENSES IN AN ERA  
WHERE DATA IS BOTH A PRIME ASSET  
AND A PRIMARY TARGET**



# PROACTIVE MEASURES

STAYING AHEAD

IDENTIFYING AND  
PROTECTING ARE  
PROACTIVE MEASURES



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**DETECTING INTRUSIONS  
QUICKLY ALLOWS  
ORGANIZATIONS TO IDENTIFY  
AND NEUTRALIZE MALICIOUS  
ACTIVITY BEFORE IT  
ESCALATES INTO A MAJOR  
SECURITY INCIDENT**





## BEING PROACTIVE IN CYBER SECURITY

- ✓ REDUCES IMPACT AND DOWNTIME
- ✓ ASSURES REGULATORY COMPLIANCE
- ✓ STRENGTHENS SECURITY POSTURE
- ✓ PROTECTS CRITICAL ASSETS



# CIA TRIAD

WHAT IS THE BUSINESS' PRIORITY IN  
ASSETS/DATA PROTECTION?

CONFIDENTIALITY  
*WHAT*

INTEGRITY  
*HOW*

AVAILABILITY  
*WHEN*



SOME BUSINESS PRIORITIZE  
ONE ASPECT OF THE TRIAD,  
OTHERS IN TWO, WHILE  
OTHERS DEPEND  
ESSENTIALLY ON THE WHOLE  
TRIAD TO REASONABLY  
ASSURE PROTECTION OF  
THEIR SENSITIVE DATA &  
ASSETS





**PINPOINT EXACTLY WHAT  
INFORMATION NEEDS TO BE  
PROTECTED & THE LEVEL OF CONTROL  
ACCORDING TO THE RISK IT CAN  
CAUSE IF LEFT INSECURE/UNSAFE FOR  
EXPLOITATION**



# CONSENT

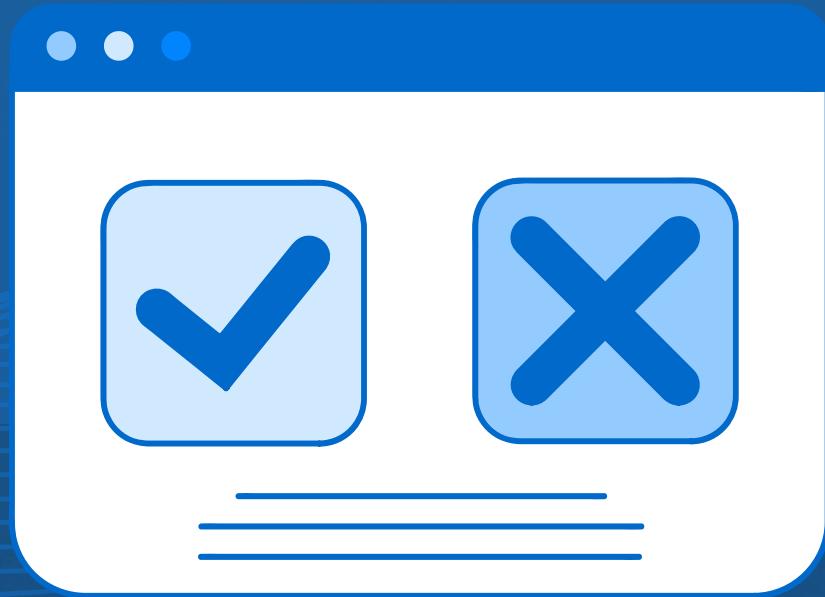
REGULATORY FOCUSED

CONSENT HAS A **LEGAL**  
**FOUNDATION** AND ALSO  
**MUST BE POINTED AT**



**CONSENT IS A CORE PRINCIPLE UNDER DATA PROTECTION LAWS LIKE UK-GDPR AND DPA 2018, REQUIRING ORGANIZATIONS TO OBTAIN CLEAR, INFORMED PERMISSION BEFORE COLLECTING OR PROCESSING PERSONAL DATA**





**PROPER CONSENT MANAGEMENT  
HELPS PREVENT UNAUTHORIZED  
DATA USE, BUILDS USER TRUST, AND  
SUPPORTS COMPLIANCE WITH  
EVOLVING REGULATIONS**





LIKE A TRAVELLER NEEDS A GPS  
FOR NAVEGATING THROUGH  
COORDINATES, AN ENTERPRISE  
NEEDS A **GRC** DEPARTMENT TO  
COORDINATE INFORMATION  
**CLASSIFICATION & DOVETAIL**



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# THANK YOU



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