

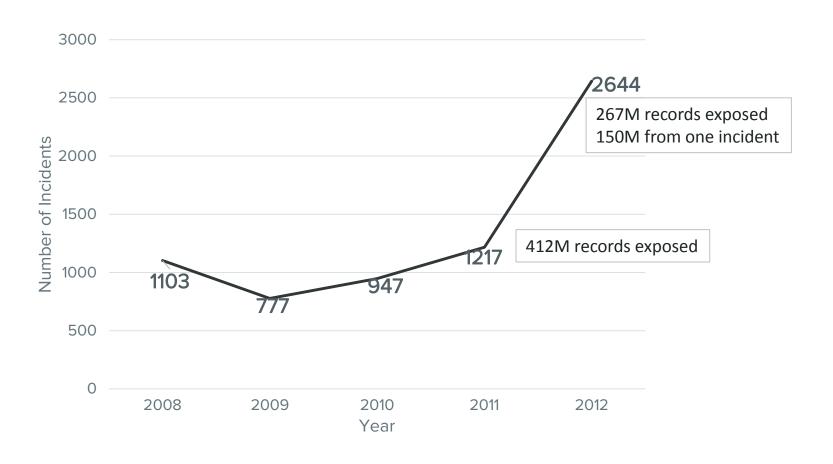
# Are You Prepared?

HOW TO PREPARE FOR THE INEVITABLE



#### **Breaches on the Rise**

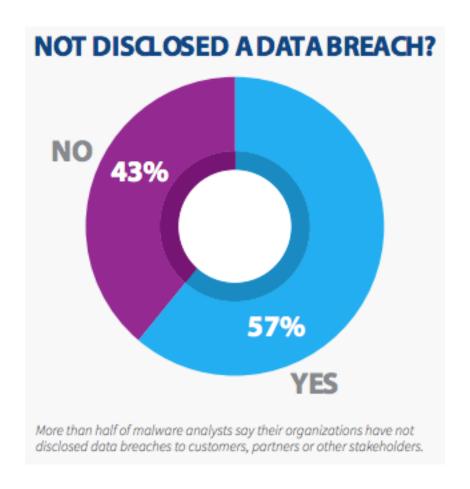
YOU CAN RUN, BUT YOU CAN'T HIDE





#### **Undisclosed Breaches**

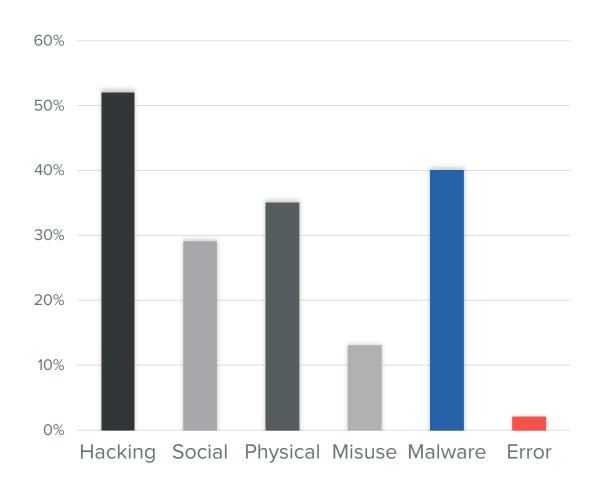
MOST BREACHES GO UNREPORTED





## **Incidents by Type**

**GREATEST RISKS** 

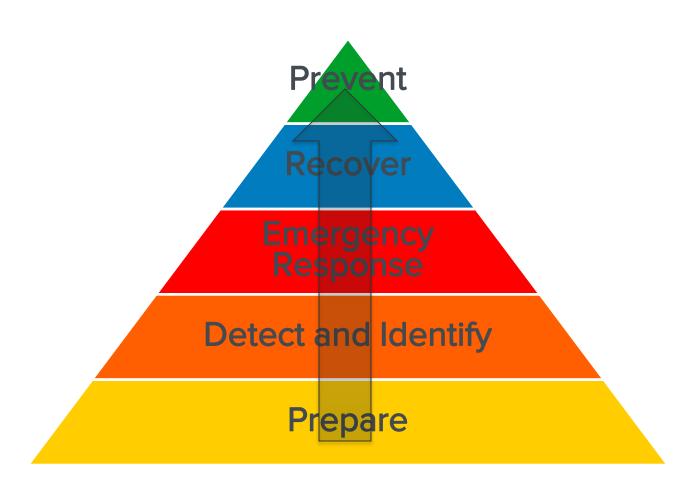






### **Incident Response**

INCIDENT RESPONSE PYRAMID





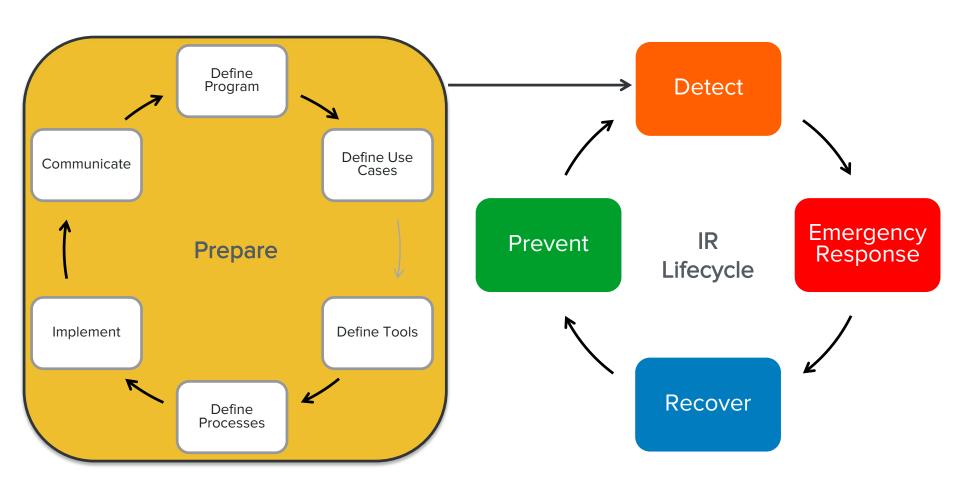
## Where is my Hat? RESPONSE VS. HANDLING

	Response	Handling
Typical Duties	Technical Analytical Containment Remediation	Logistics Communication Coordination Planning
Typical Roles	System Admins Analysts	Legal Directors Public Relations Executives/Mgmt
Summary	Hands on the Keyboard	Jugglers



## **Preparation to Act**

IR PREPARATION LIFECYCLE







#### Which Framework is Best?

**CHOOSE YOUR OWN ADVENTURE** 

#### **Factors to Consider**

- Completeness
- Flexibility
- Best Practices Recognition
- Organizational Size and Fit
- Customization









### What is Incident Response?

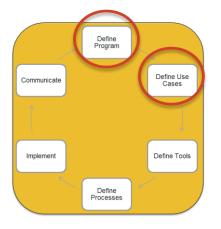
PROGRAM AND USE CASE

#### **Program**

- Strategy
- Scope
- Executive Buy In
- Get Out of Jail

#### **Use Case**

- What am I Looking For
- How Will I Find It
- What Tools Do I Need





#### What Do I Do?

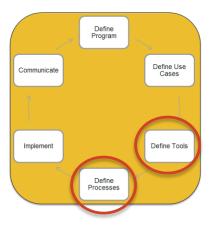
**TOOLS AND PROCESS** 

#### **Tools**

- Log Collection
- Incident Tracking
- Response Tools
- Information Sources
- Insource/Outsource

#### **Process**

- How
- When
- What
- Who





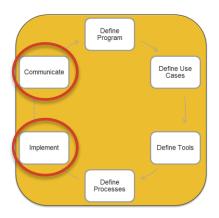
## Now What? IMPLEMENT AND COMMUNICATE

#### **Implement**

- Install Tools
- Document Process
- Train Team

#### Communicate

- Executive Report
- Spread the Word
- How to Report an Incident







## I'm Ready for My Close Up!

INCIDENT RESPONSE TESTING

#### How

- Table Top Exercise
- Penetration Tests
- Red vs. Blue Team

#### When

- Frequent
- Major Updates
- New Threats
- Unexpected



#### Pass or Fail?

**TESTING RESULTS** 

#### Pass Updates

- Update Documentation
- Areas of Improvement
- Add New Use Cases

#### Fail Updates

- Review the Response
- Praise the Good
- Correct the bad





### Good, Better, Best

**CONTINUAL IMPROVEMENT** 

#### **Improve**

- Update
   Documentation
- Refine Processes
- Tune Tools
- Update Training

#### Add

- Use Cases
- More Logs
- Additional Tools
- New Signatures



## Blocking All the Things

#### Think about the Metrics

- If you have zero incidents you are missing something.
- As the number of identified incidents decrease, you should add more detection capabilities.
- Always strive to balance the number of incidents with the ability to respond.
- There is always something under the rocks you pick up.





## **Tomorrow is a New Day**

STRATEGIC NEXT STEPS

Preparing for incident response is a process and not just a checkbox.

Having an incident response plan is great but testing will validate if it works.

Attackers are not standing still. Continually improving your response capabilities will increase the effectiveness of your incident response.



#### **Thank You**

