



# INFORMATION SECURITY

*Fundamentals*

# RISK, THREAT, VULNERABILITY

RISK = *potential for loss*

THREAT = *something that magnifies the likelihood of a negative event*

VULNERABILITY = *a weakness in your infrastructure*

# AN EXAMPLE

The threat of a hurricane is outside of one's control.

However, *knowing that a hurricane could strike* can help business owners assess weak points and develop an action plan to minimize the impact.

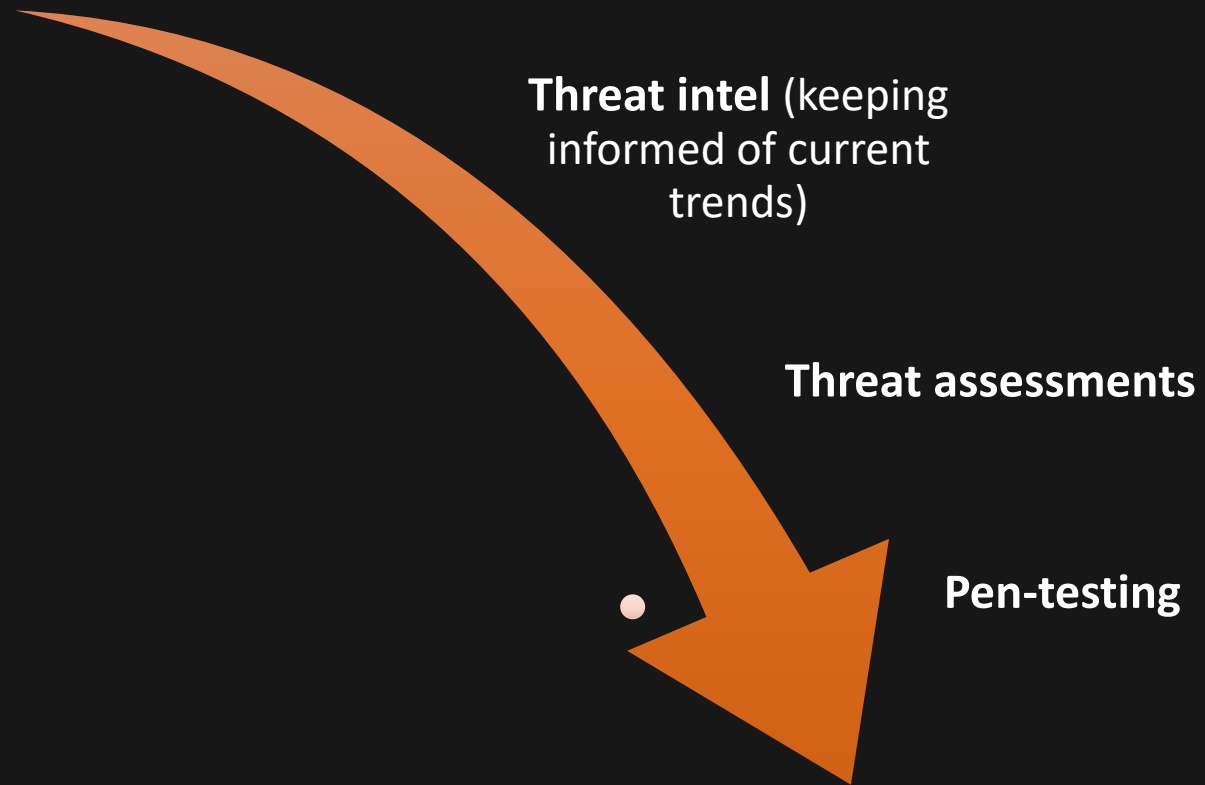
In this scenario, a vulnerability would be *not having a data recovery plan* in place in the event that your physical assets are damaged as a result of the hurricane.

The risk to your business would be *the loss of information or a disruption in business* as a result of not addressing your vulnerabilities.

# THE FORMULA

$$\text{Risk} = \text{Threat} \times \text{Vulnerability}$$

# MANAGING THREATS



# MANAGING VULNERABILITIES





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