

# White Wolf Security

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# Locator Info

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# My perspective

- I have no formal computer degree or education (CS 210 – Advanced Software Paradigms)
- Undergrad in Secondary Education
- Law degree from Villanova
- No clearance
- I run exercises – tactical/theater level CNA/CND live fire events.

With all due respect...

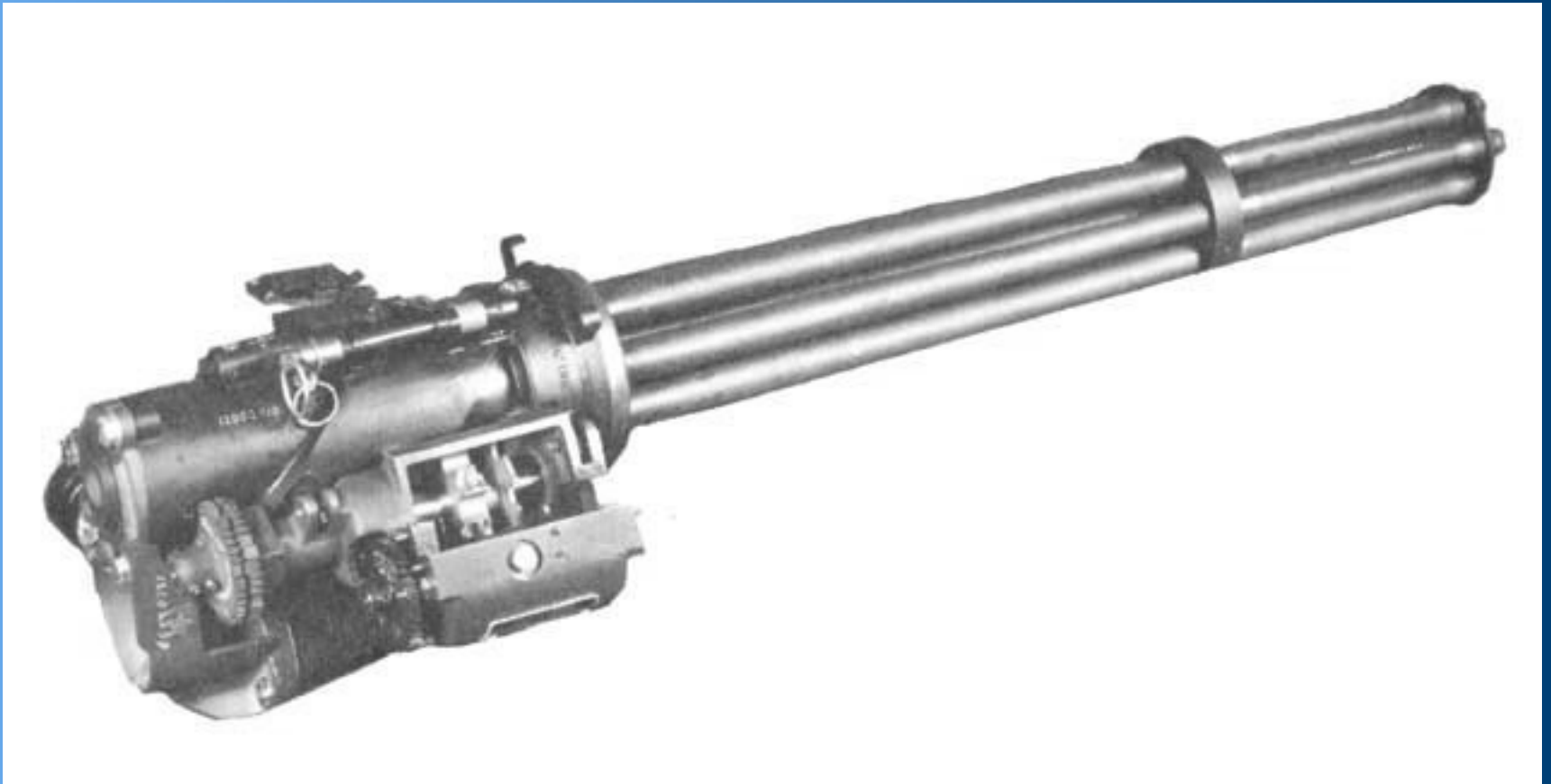
# Weaponization



- Ease of use
- Rate of fire
- Training time
- Lethality
- Reliability
- Maintenance by end user (trade training \$ for logistical \$)
- Abstraction of combat

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# Weapon



- M230 30mm Chain Gun

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# Weapons Platform

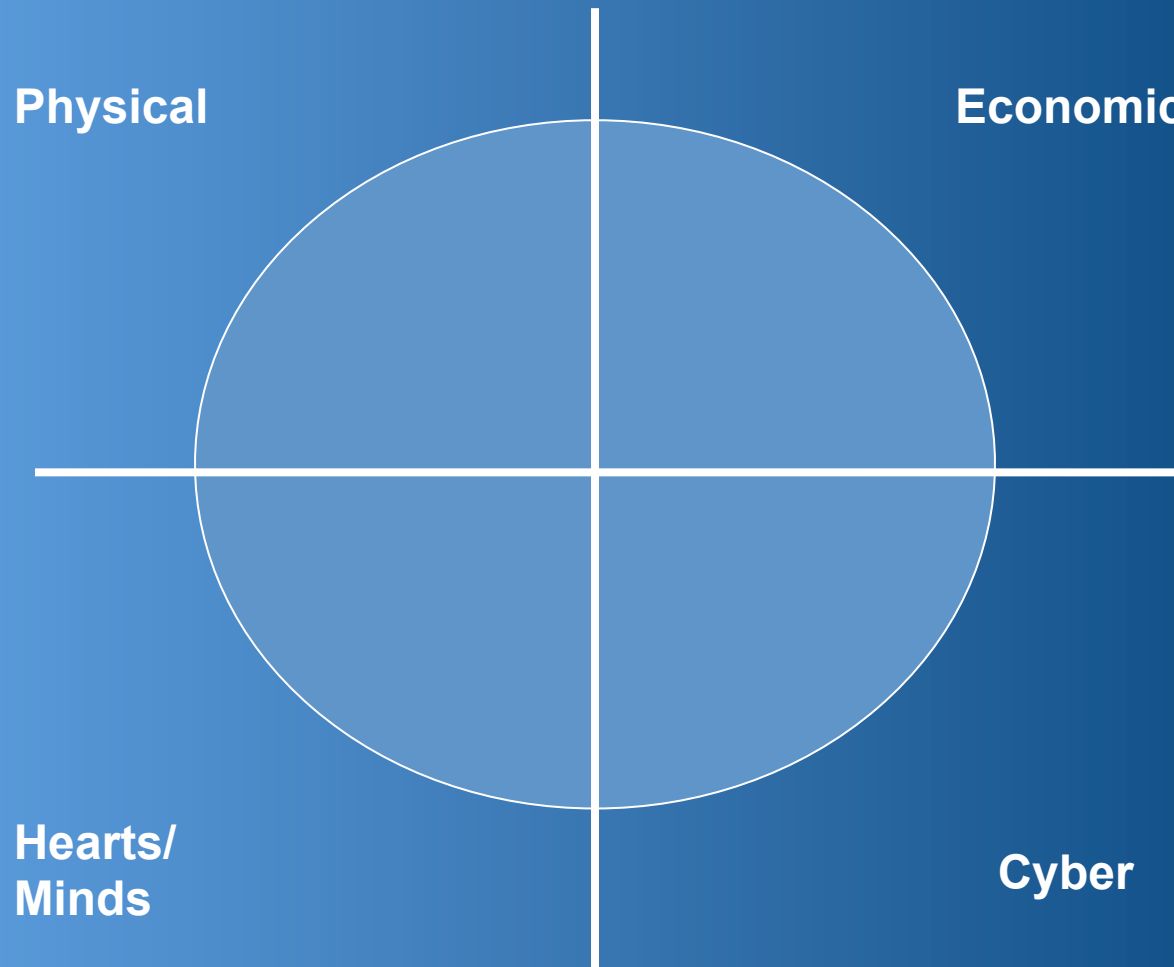
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# How the enemy fights

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# The integrated enemy



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# How we fight

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Who owns cyberspace?  
Quit being afraid

If you knew what I knew...

We're already doing that...  
All we hear is....

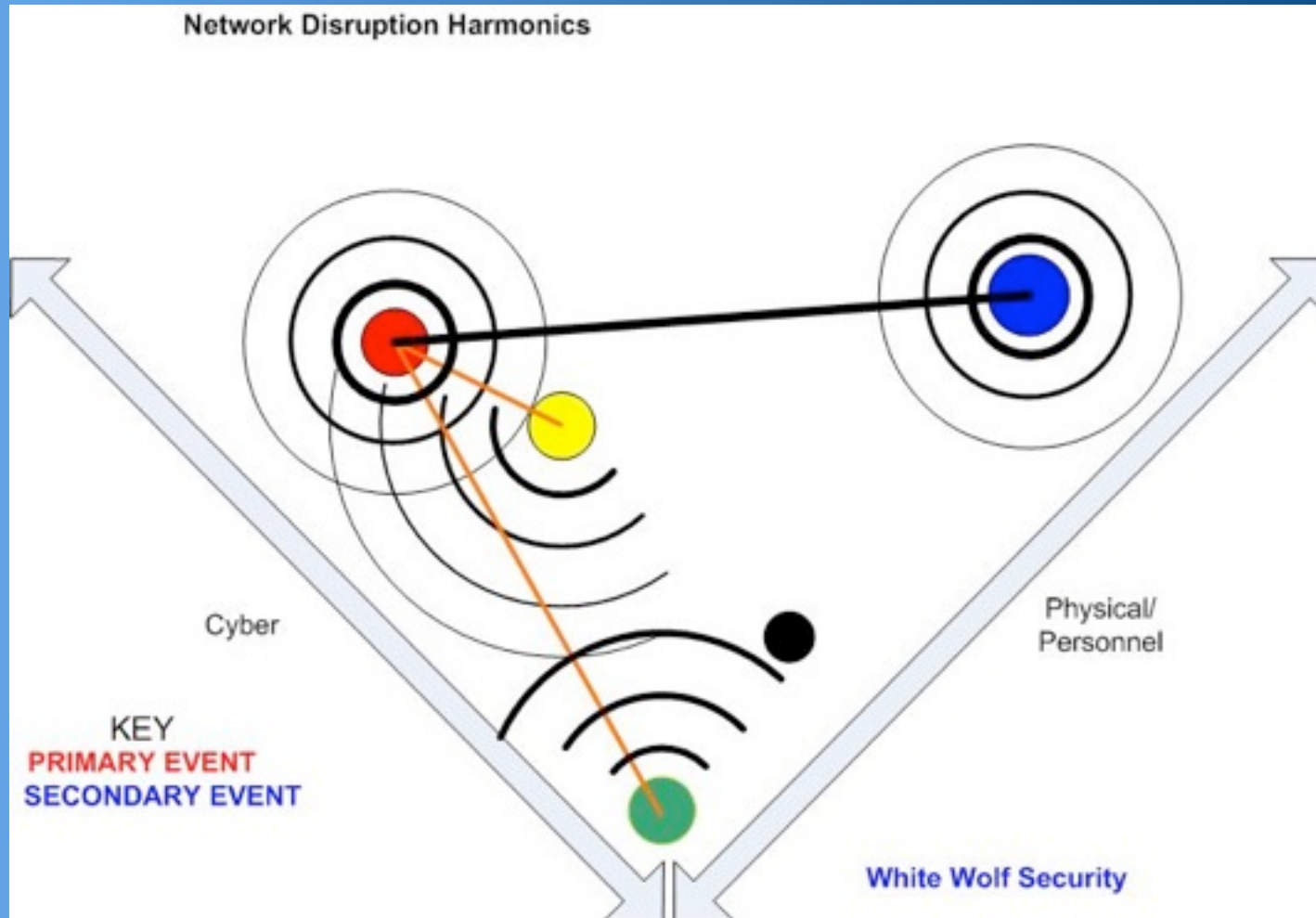
# Analysis

- We continue to treat cyber as if it is special
- By making it separate we are giving the advantage to the enemy
- If we cannot integrate cyber into every aspect of our operations, we better work on our negotiating skills instead.

# Network Disruption Harmonics

A better way to understand  
cause and effect in combined  
cyberspace and physical  
operations

# Network Disruption Harmonics



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# The goal

- Get the CNA/CND operators out of the basements
- Teach offensive and defensive computer network skills to field operators
- Cost/benefit analysis of combined operations versus physical alone
- Add cyber to existing planning, research and execution processes

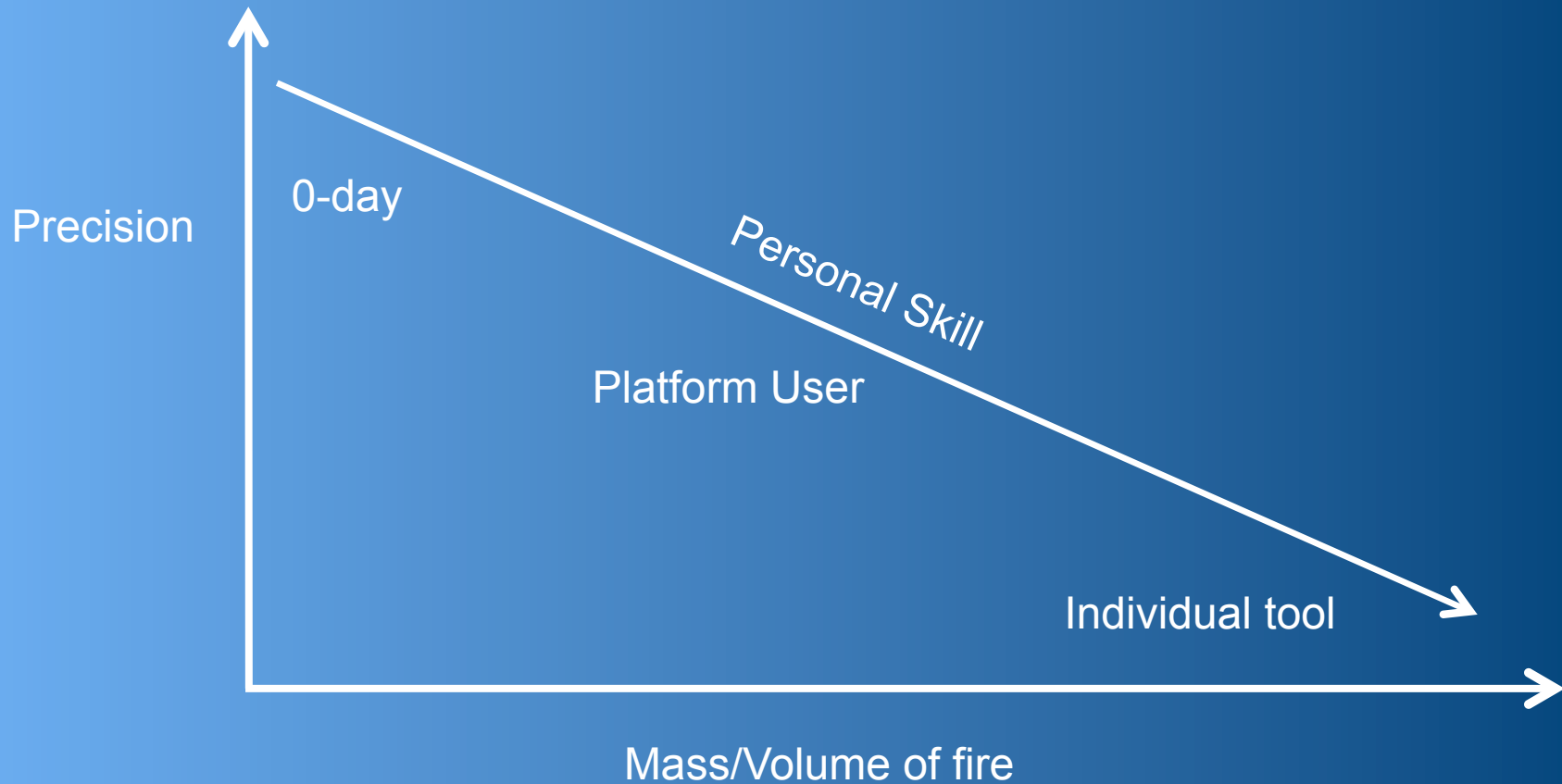
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# Add cyber weapons training

- If everyone learns to shoot, then everyone can learn to hack.
- If everyone learns to dig a foxhole, then everyone can defend a network.
- The tools are stable, reliable and predictable and requires just a bit more knowledge than it does to use a rifle.
- Give me 3 months and I can give you integrated cyber warriors

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# Scalability (look familiar?)



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