Corporate Dungeon Master

How to Lead Cyber Games at Work

Jason Wonn
@wonnmeister
jasonwonn@gmail.com

✦Birthday (5e Variant Rule)✦

- Sometimes, a player feels like they should get just one day off from adventuring.
    - But when?
    - Of course! Let's celebrate a birthday
- Can only celebrate if:
    - They are not currently on a quest
    - The player/character has at least 3 members to celebrate with
    - The party must be set within a week of the character's birthday

YOU KNOW YOU'RE OLD

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WHEN YOU NEED MORE THAN ONE D20 TO ROLL YOUR AGE

✦Birthday (5e Variant Rule)✦

- If conditions are met, the player can have an official birthday party:
  - Every character gives the Birthday Player's character a gift of gold or equipment
  - Birthday Player's character receives +1 to Charisma during the next quest
  - Birthday Player brings cake
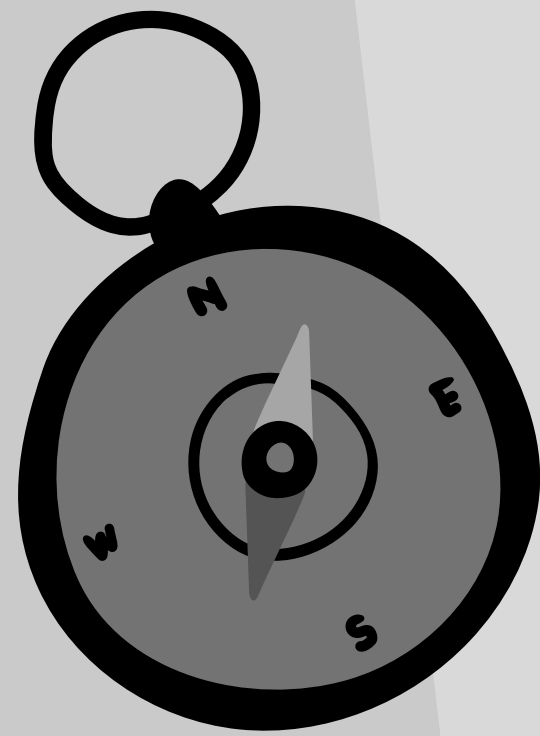   - other players sing the birthday song

✦✧Birthday (5e Variant Rule)✦✧

- Today, June 13th, is my birthday!

HAPPY
BIRTHDAY
JASON

Corporate Dungeon Master
Jason Wonn
jasonwonn@gmail.com

Agenda

1. Presenter Background
2. The New Role of Cyber Action Officer
3. My Path to Cyber Action Officer
4. Intro to Dungeons & Dragons
5. How to be a Corporate Dungeon Master

Corporate Dungeon Master
Jason Wonn
jasonwonn@gmail.com

Presenter Background

✦ PRESENTER BACKGROUND ✦

- 7+ yrs Private Industry

  NAVY FEDERAL Credit Union   The **Walt Disney** Company

- 15 yrs Gov't Contractor

  CGI **MITRE** **Deloitte.** *LOCKHEED MARTIN*

- 10 yrs SIGINT/Cyberwarfare Analyst

  U.S.ARMY

✦ Presenter Background ✦

- ## Certs:

  Cyber Crisis Management Planning Professional (C2MP2)

  Certified Information Systems Planning Professional

  Project Management Professional

- ## Education

  B.S. Computer Science

✦ Presenter Background ✦

- ## Speaking Events

TIP of the Spear:
A Threat Intelligence Platform Acquisition

2017

2018

"Trafficker Analysis:"
Human Trafficking Threat Intelligence

Corporate Dungeon Master
Jason Wonn
jasonwonn@gmail.com

✦ DISCLAIMER ✦

- Disclaimer: This presentation is for educational purposes only. Opinions or points of view expressed in this presentation represent the view of the presenter, and do not necessarily represent the position or policies of any of Jason Wonn's past or present employers. Nothing in this presentation constitutes legal or professional advice. The individuals appearing in this presentation, if any, are depicted for illustrative purposes only and are presumed innocent until proven guilty in a court of law.

- Memes=YMMV

PART TWO

The New Role of

Cyber Action

Officer

The New Role of Cyber Action Officer

- Maintain situational awareness of cyber activity by reviewing DoD, Intelligence Community and open source reporting for new vulnerabilities, malware or other threats that have the potential to impact the DoDIN.

- Serve as a lead for planning, coordination, implementation, validation, mitigation, and compliance of cyber security tasks.

- Prepare and present senior level briefings to share information and status.

- Resolve problems with functionality or performance.

- Prepare orders for staffing and release and serve as main POC for inquiries and communications after order release.

- Support mission-critical Continuity of Operations (COOP).

Corporate Dungeon Master
Jason Wonn
jasonwonn@gmail.com

The New Role of Cyber Action Officer

- Primary Responsibility:
  - Cyber Crisis Coordinator (2.5%)
- Secondary Responsibilities:
  - Special Projects (2.5%)
  - Incident Response Plans/Playbooks (5%)
  - **Tabletop Exercises (TTXs) (90%)**

PART THREE

My Path to Cyber Action Officer

My Path to Cyber Action Officer

- 1990s:
  - SIGINT Analyst, Cyberwarfare Analyst, Computer/Electronic Sales
- 2000s:
  - System Administrator, Technical Consultant, Intelligence Analyst, Vuln. Analyst, IASO, INFOSEC Engineer, Program Mgr, Security Engineer
- 2010s
  - Director CCTL, Security+ Instructor, CTI Analyst, CTI Lead/Supervisor

THIS IS HOW I ROLL

Corporate Dungeon Master
Jason Wonn
jasonwonn@gmail.com

My Path to Cyber Action Officer

- Dec 2020:
  - Fri, Dec 11th:
    - Accepted position as Navy Federal's first Cyber Action Officer with start date of January 1st 2021...

My Path to Cyber Action Officer

My Path to Cyber Action Officer

- Dec 2020:
  - Fri, Dec 11th:
    - Accepted position as Navy Federal's first Cyber Action Officer - start date 1/1/2021...
  - Mon, Dec 14th:
    - Solarwinds customers notified of breach/injected code
  - Tues, Dec 15th:
    - Public notified, gov't victims named

Corporate Dungeon Master
Jason Wonn
jasonwonn@gmail.com

My Path to Cyber Action Officer

- What's the point (of the path story)?
  - Green field (The role is still new in industry)
  - Choose your own adventure
    - breadth of technical knowledge
    - exceptional listening and communication
    - great facilitation skills
  - Leap of faith

Cyber Crisis Management Leader

C Calsoft Labs
   Glen Allen, VA

Apply on ZipRecruiter

💼 Contractor 📄 No degree mentioned

Job highlights
- The Client Cyber Crisis Management Team facilitates/coordinates responses to significant cyber events and develops applicable playbooks, plans, and exercises (i.e., TTXs) to enhance cyber response preparedness
- Develops CCM playbooks, run books, and plans to ensure effective response
- Develops and executes Cyber TTXs

PART FOUR

Intro to Dungeons & Dragons

✦∴Intro to Dungeons & Dragons✦∴

D&D Overview

- a fantasy role playing game (RPG).
- 2-4 player characters (PCs)
- 1 Dungeon Master (DM)

tl;dr: Invent a character, explore a fantasy world, talk to the people living there, fight crazy monsters, acquire plunder and glory, roll dice, drink beers and yell at your friends!

WELCOME TO D&D
WHERE EVERYTHING IS MADE UP AND THE POINTS DON'T MATTER
imgflip.com

Corporate Dungeon Master
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jasonwonn@gmail.com

✦✦Intro to Dungeons & Dragons✦✦

D&D Overview

- Rules & Goals
  - there are no rules
  - there are no goals

MORE LIKE GUIDELINES THAN ACTUAL RULES

Corporate Dungeon Master
Jason Wonn
jasonwonn@gmail.com

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✦✧Intro to Dungeons & Dragons✦✧

D&D Overview

- Three core manuals

Corporate Dungeon Master
Jason Wonn
jasonwonn@gmail.com
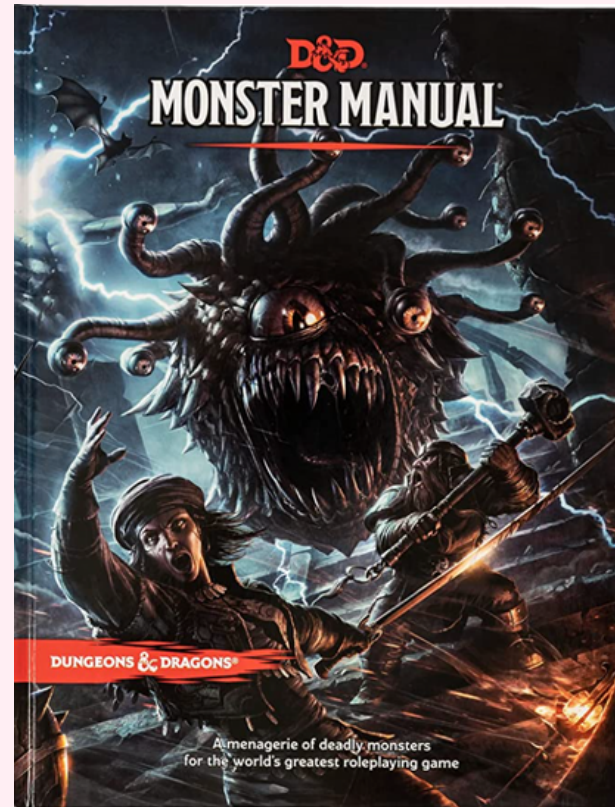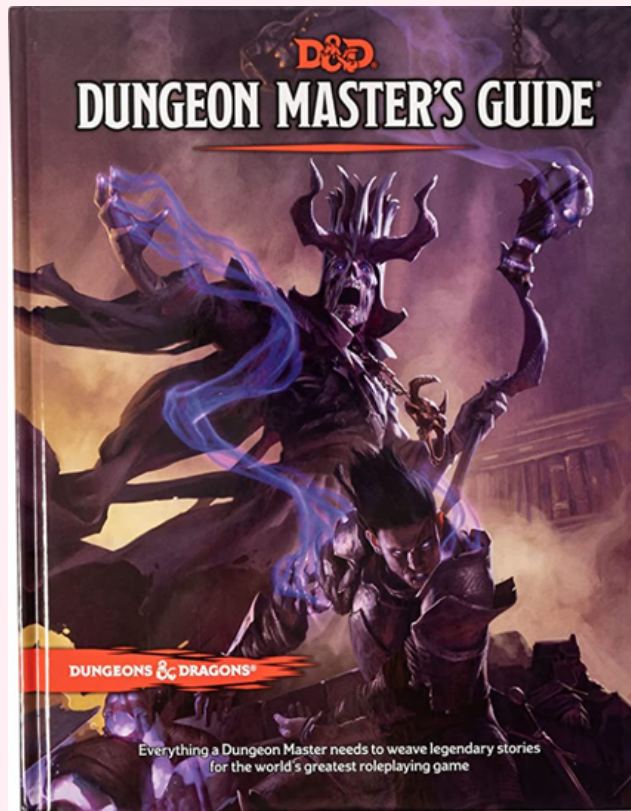
✦✧Intro to Dungeons & Dragons✦✧

D&D Overview

- **Mechanics**

  - **Roll a 20-sided die (D20)**
    - x1 four-sided, eight-sided, twelve-sided
    - x2 ten-sided
    - x4 six-sided

Source: www.polygon.com/23169570/roll-for-sandwich-interview

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jasonwonn@gmail.com

✦⋆Intro to Dungeons & Dragons✦⋆

Character Creation

- name

- race

- class

- alignment

- Fill out character sheet with characteristics (D20):
  - INT, CHA, STR, STA, DEX, WIS

tl;dr: Choose a character type. Print a premade sheet. In a pinch, pretend to be your favorite movie or book character.

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Jason Wonn
jasonwonn@gmail.com

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✦✧Intro to Dungeons & Dragons✦✧

Dungeon Master

- Narrate the story

- Control NPCs and Monsters

- Ensure players are engaged and having fun

- Answer player questions

- Adjust the speed of the game

- Adjust play as necessary

tl;dr: The DM is god.

I am the

KEEPER of LORE
WEAVER of FATES
and
MASTER of DUNGEONS

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Jason Wonn
jasonwonn@gmail.com

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✦∵Intro to Dungeons & Dragons✦∵

Gameplay

- Exploration
  - primary story developer
  - involves:
    - solving puzzles
    - surmounting obstacles
    - looking for treasure

tl;dr: look for clues, traps, treasure, and secrets.

✦⋅INTRO TO DUNGEONS & DRAGONS✦⋅

Gameplay

- Combat
    - Attack
        - D20+STR or DEX+Proficiency
        - Hit? Roll again to determine hit pts
    - Defend - Same as above
    - HP below 0 = Death!

tl;dr: Roll a D20 to see if you hit or not, then roll another die to see how much damage you did.

TRIPPED AND FELL LEAVING
THE TAVERN TO GO ON ADVENTURE

DIES FROM FALLING DAMAGE

1ST LEVEL PROBLEMS

✧∴Intro to Dungeons & Dragons✧∴

Gameplay

- Interaction
  - non-player characters (NPCs)
    - charisma/influence
    - threats of violence
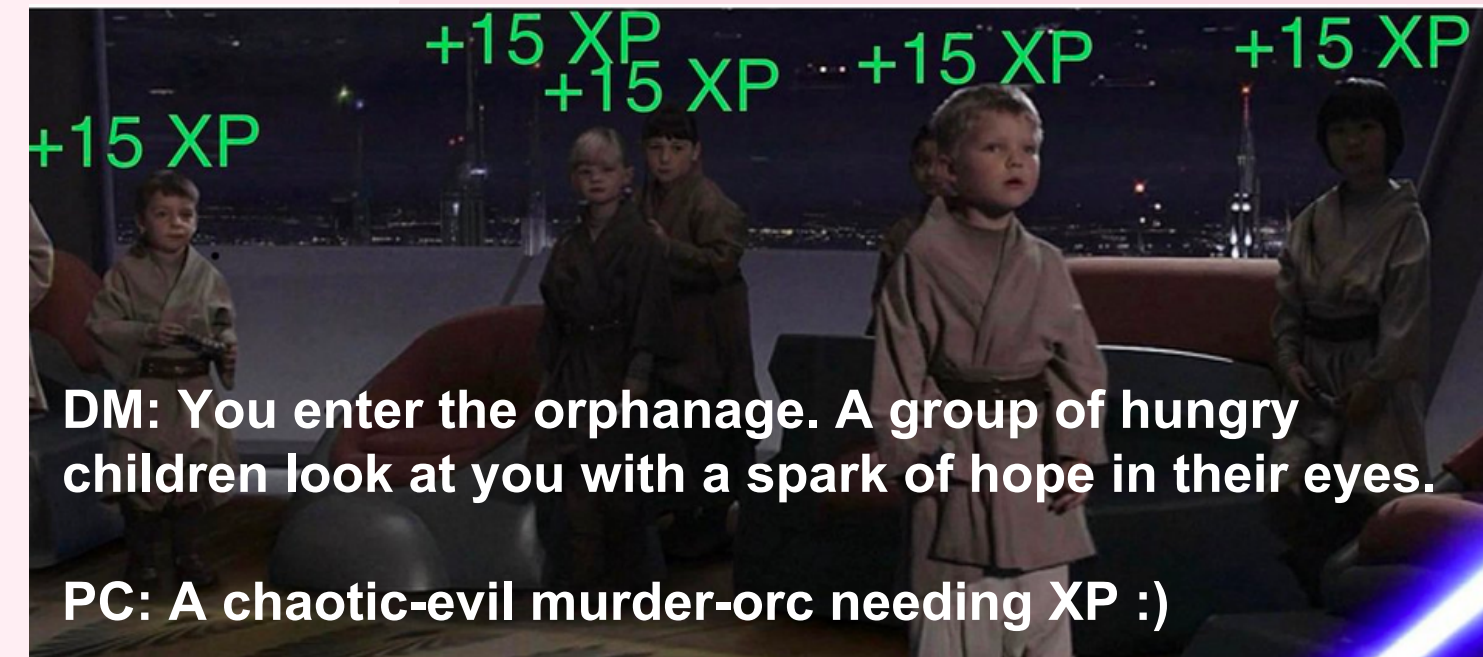   - disguise
    - bribery/interrogation

tl;dr: use disguises or influence to acquire information.

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Jason Wonn
jasonwonn@gmail.com

✦✧Intro to Dungeons & Dragons✦✧

Gameplay

- Level-up

  - gain experience pts (XP)

    - win combat

    - solve puzzle

    - successful with an NPC

  - XP is cumulative; level-up at 300, 900, 2700, 6500, 14000, 23000, etc.

+15 XP +15 XP +15 XP +15 XP +15 XP +15 XP

DM: You enter the orphanage. A group of hungry children look at you with a spark of hope in their eyes.

PC: A chaotic-evil murder-orc needing XP :)

tl;dr: XP is the reason for playing.

How to be a Corporate Dungeon Master

✦How to be a Corporate DM✦

Session-Zero

- "Read your DM Guide thoroughly and plan your adventure"
  - Use relevant documentation
  - Schedule planning meetings (IPM, MPM, FPM)
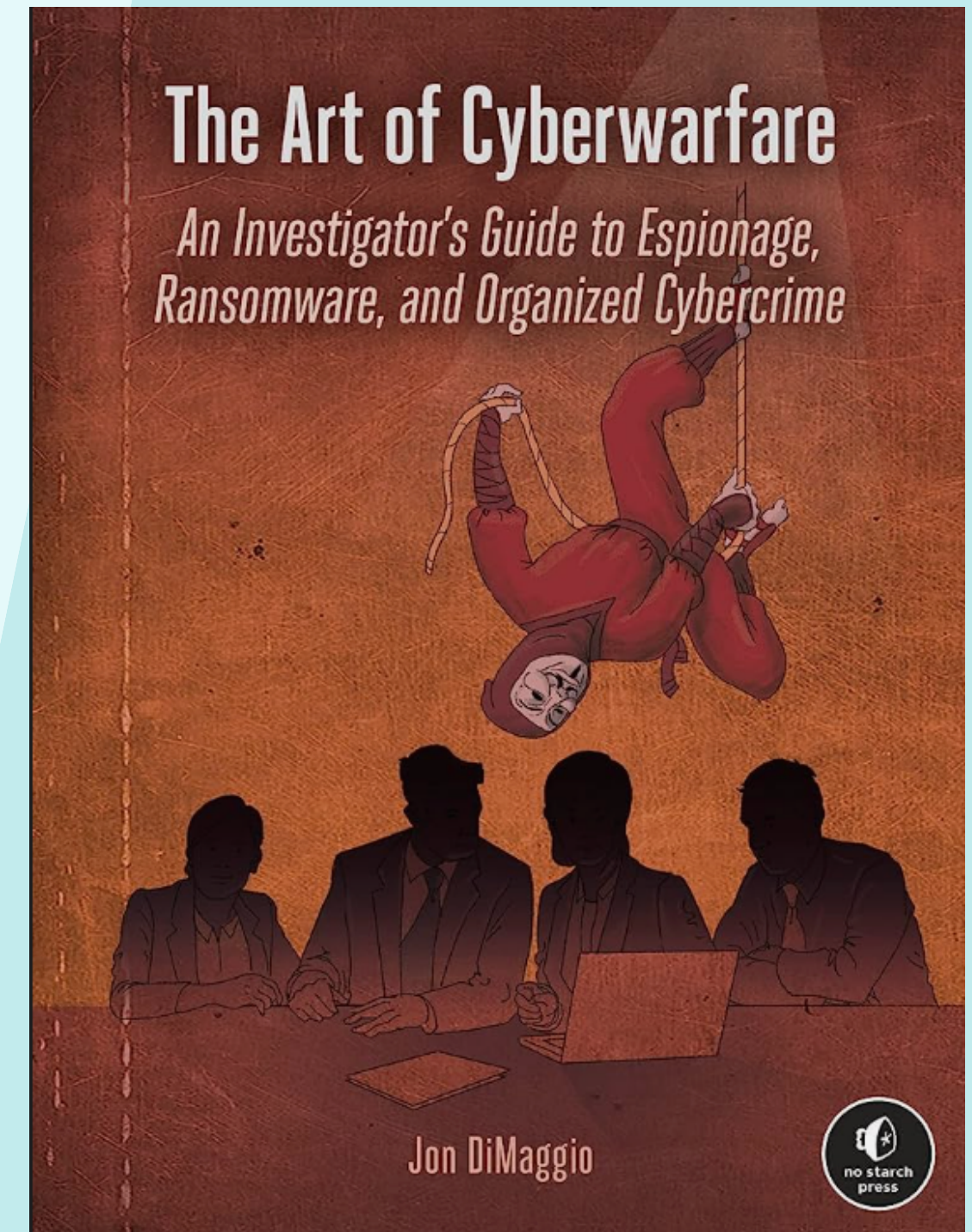 - Set high-level goals

✦˙Hᴏᴡ ᴛᴏ ʙᴇ ᴀ Cᴏʀᴘᴏʀᴀᴛᴇ DM✦˙

Session-Zero

- "Create your monsters"
  - Cite past incidents
    - your own company
    - industry
  - Research cyber threats
  - Leverage your network

The Art of Cyberwarfare
An Investigator's Guide to Espionage, Ransomware, and Organized Cybercrime

Jon DiMaggio

no starch press

Corporate Dungeon Master
Jason Wonn
jasonwonn@gmail.com

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✦⋅Hᴏᴡ ᴛᴏ ʙᴇ ᴀ Cᴏʀᴘᴏʀᴀᴛᴇ DM✦⋅

Session-Zero

- "Find a good group"
  - Sponsor's desired outcomes
  - Invite appropriate stakeholders
  - Interview stakeholders

✦⋅How to be a Corporate DM⋅✦

Home-brew the story

- "Decide the style of play"
  - Technical/CTF?
  - Business process testing
  - Cross-functional collaboration

✦ How to be a Corporate DM ✦

Home-brew the story

- "Write out your adventure"
  - Scenario Overview
  - Master Scenario Events List (MSEL)
  - Slides

✦⋰How to be a Corporate DM✦⋰

Home-brew the story

- "Be flexible with your plot"
  - Participants may throw off your plans
  - Be prepared to improvise

BRILLIANT STORYTELLING
Damn the consequences, damn the love interest, damn the xp, we're getting the girl.
GMing done right.

✦·How to be a Corporate DM✦·

Home-brew the story

- "Practice run your adventure"
  - Co-worker
  - Brief the sponsor/team
  - Brief BU Exec

✦ How to be a Corporate DM ✦

Running the Game

- "A good DM controls the pace of play and referees the action"
  - Cover the rules
  - Discuss the goals/outcomes
  - EXERCISE EXERCISE EXERCISE
  - Adjust for time
  - Take Notes / Record meeting

✦⋅How to be a Corporate DM✦⋅

After the Game

- "Campaign Aftercare is a DM's best tool for improvement"
  - End of TTX feedback slide
  - After-Action Review (AAR) Report and Meeting
    - Leveling-Up
      - Process Improvement Opportunities

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✦∴How to be a Corporate DM✦∴

Talk Summary

- Discover how to lead games (table-top exercises) at work as a "Corporate Dungeon Master" (Cyber Action Officer), narrating the story (facilitation), controlling the monsters (cyber threats), and creating an adventure that will have your players leveling-up (process improvement)

THIS IS THE WAY
A NEW LEADERSHIP CREED FOR INFOSEC PROFESSIONALS

Kate Collins
11:30a June 14th