RSA®C Studio

Connect to Protect

Defense in Depth is Dead, Long Live Depth in Defense

Matt Alderman

VP, Strategy
Tenable Network Security
@maldermania

Eliminate Blind Spots
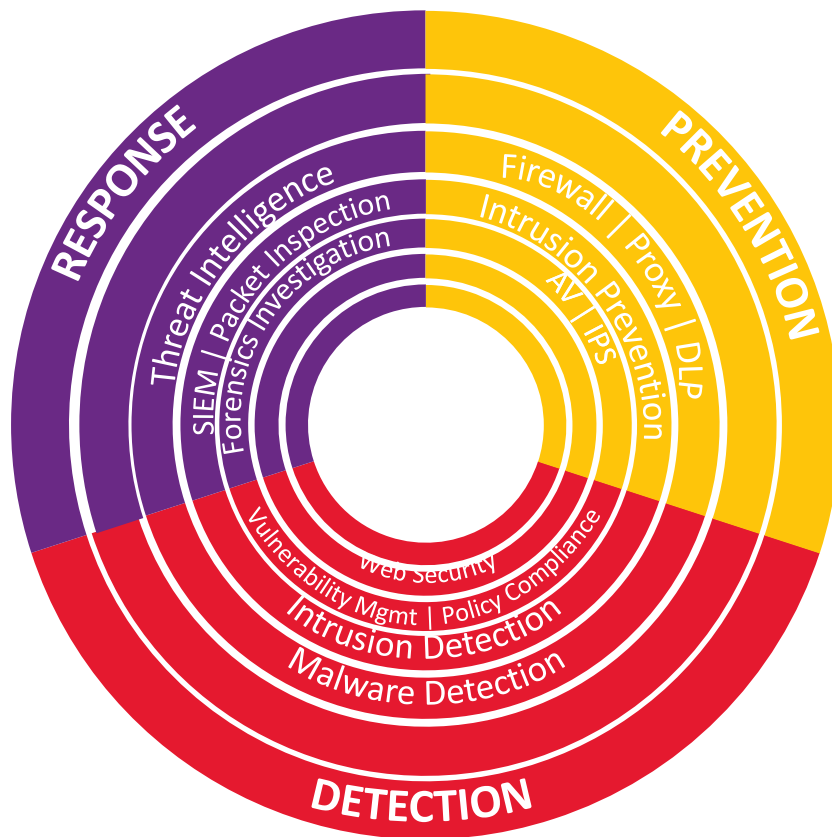
Prioritize Threats & Weaknesses

tenable
network security

RSA Conference2016

Defense in Depth is Broken

RESPONSE

Threat Intelligence

SIEM | Packet Inspection

Forensics Investigation

PREVENTION

Firewall | Proxy | DLP

Intrusion Prevention

AV | IPS

Web Security

Vulnerability Mgmt | Policy Compliance

Intrusion Detection

Malware Detection

DETECTION

tenable
network security

RSA Conference2016

It's Time to Transform Security
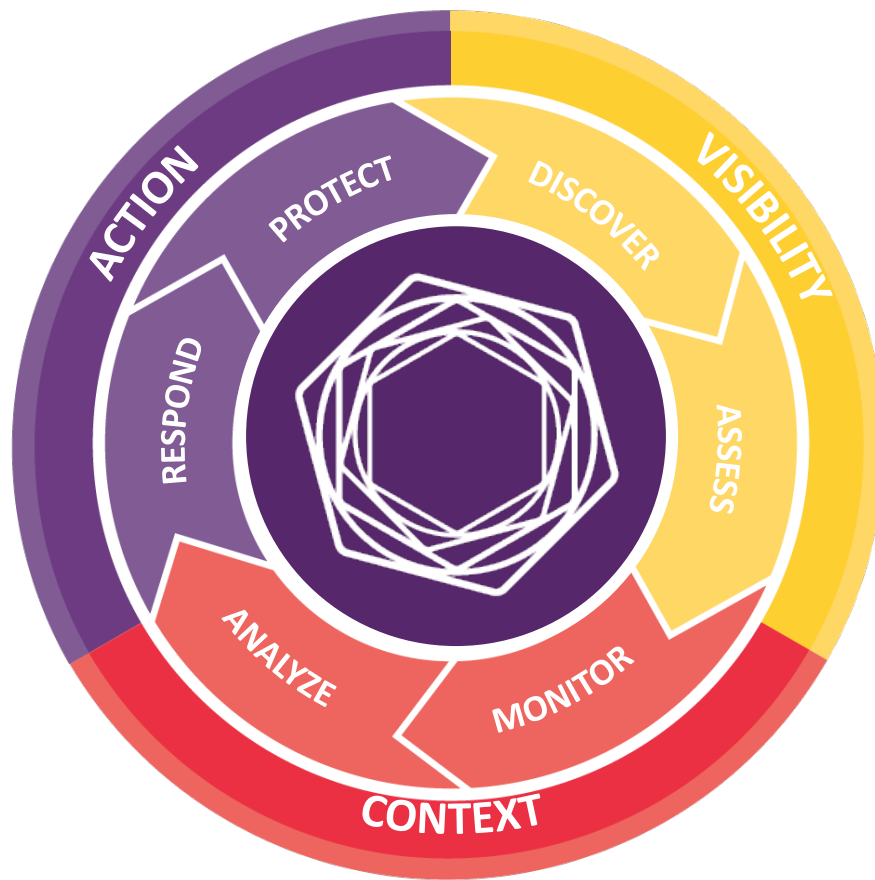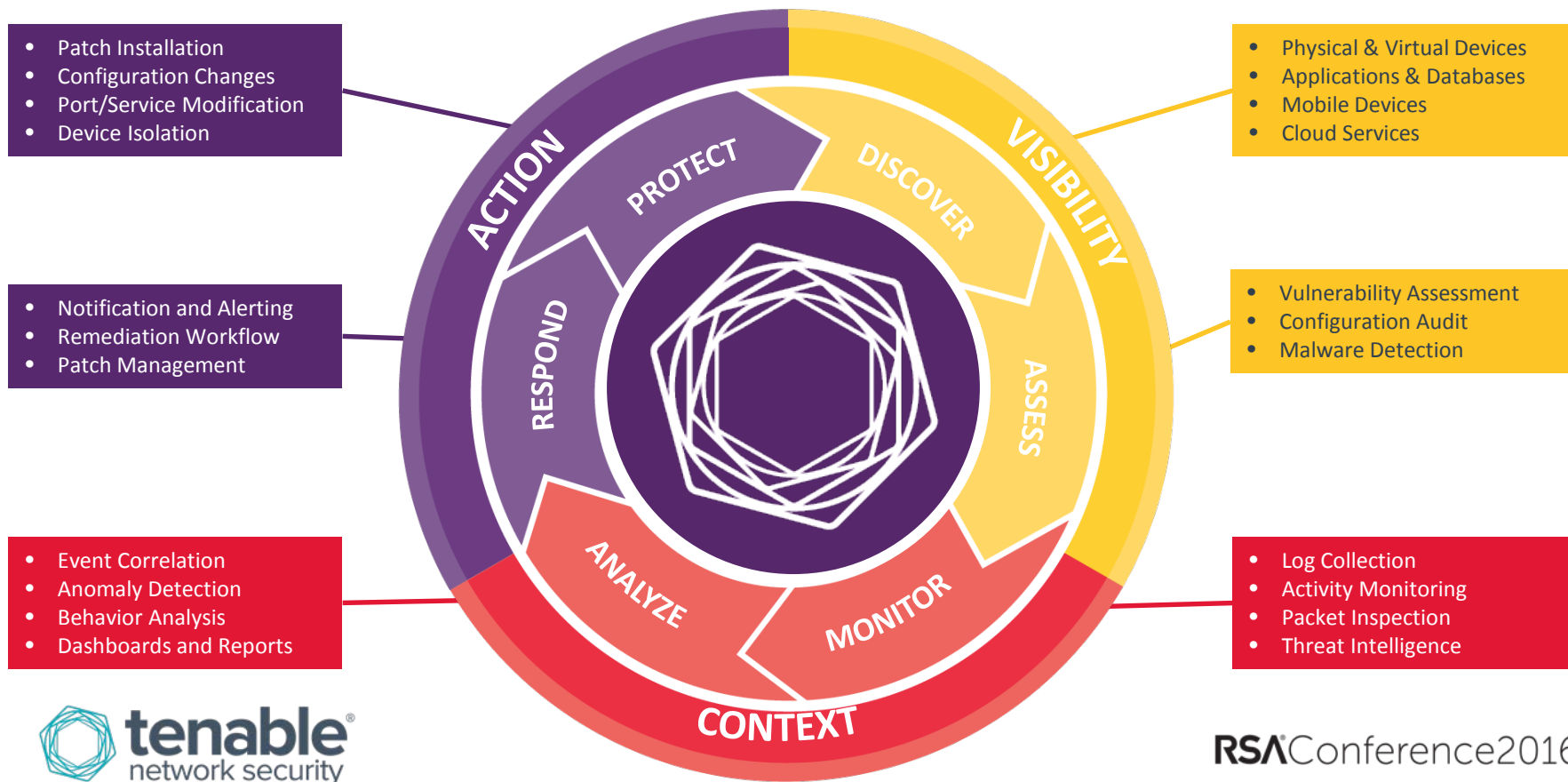
Benefits of Depth in Defense

Visibility

Context

Action
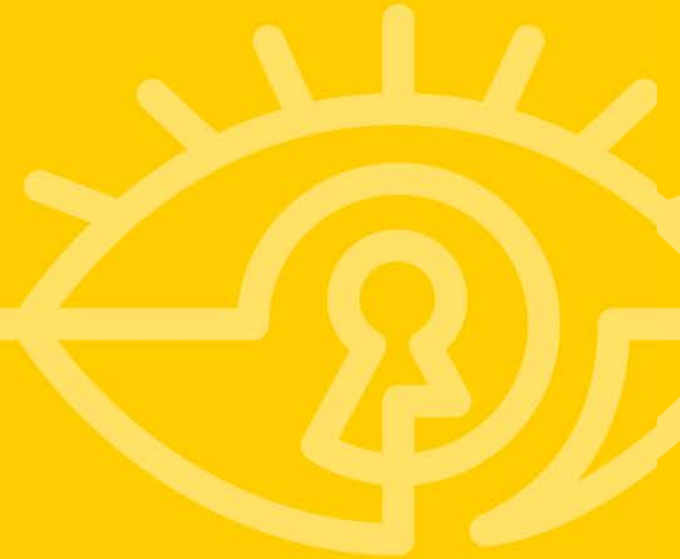
tenable®
network security

Applying Depth in Defense

◆ Do you have continuous visibility into unknown or shadow assets?

◆ Do you have continuous visibility into the security "state" of your assets?

◆ Do you have critical context to prioritize threats and weaknesses?

◆ Do you have critical context to measure security posture and assurance?

◆ Are you able to take decisive actions to respond to attacks?

◆ Are you able to take decisive actions to protect your assets?

tenable®
network security

RSA Conference2016

RSA®Conference2016

Thank You

Matt Alderman
malderman@tenable.com
@maldermania

RSAC Studio

Connect to Protect

Garbo, D-Day and Ultimate Social Engineering
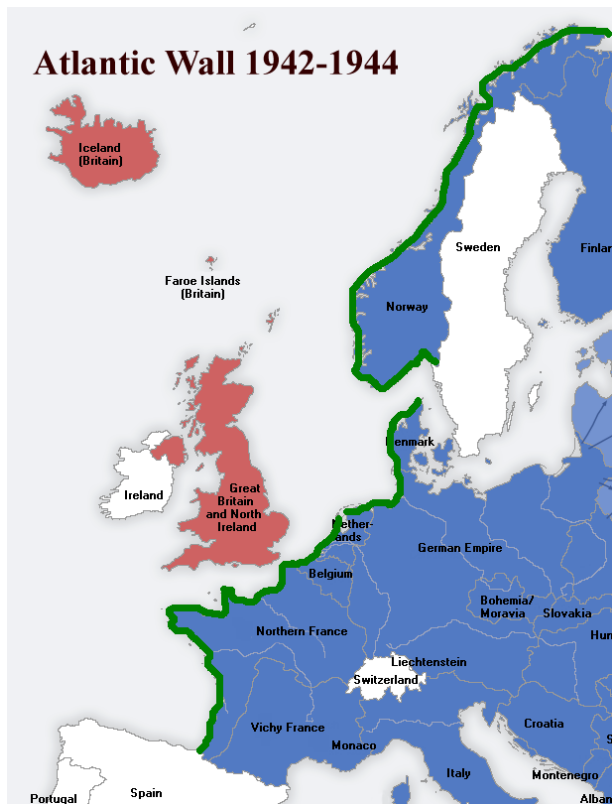
John G. O'Leary, CISSP

O'Leary Management Education

The Setting

Atlantic Wall 1942-1944

Operation Fortitude Spies -

The spies who ensured the success of the D-Day landings. Left to right: Lily Sergeyev ('Treasure'), Roman Czerniawski ('Brutus'),
Juan Pojol Garcia ('Garbo'), Elvira Josefina Concepcion de la Fuente Chaudoir ('Bronx') and Dusko Popov ('Tricycle')

Juan Pujol Garcia

- Graduate of Royal Poultry School

- Ran poultry farm outside Barcelona

  hated chickens

- Cinema proprietor

  terrible businessman

- Cavalry officer

  feared horses

Try and Try Again

- Jan 1941 - **British** in Madrid

- "No Thanks"

- Juan or Ariceli

- British wanted Spain neutral

- Plan B - got the **Germans** to believe he wanted to spy for *them*

Tweaking the Nazis

olbeks

@= a   # = b $=c   % = d
^ = e   & = f   * = g   (= h
) = i   ~ = j   < = k   > = l
+ = m   = = n   / = o   ☆ = p
★= q   ♥ = r   ☼ = s   . = t
! = u   ` = v   ? = x   { = y
} = z

Imaginary Agents, Realistic problems

- Girlfriend

- Gambling debts

- Fear of capture

- No appreciation

- Fistfights

Finances

- $1.4 million from Germans for Double Cross

- **Funding their own deception**

- Skimming by middlemen

D-Day Deception

- Start with truth, but little value

- Gradually add lies

- Still some nuggets of truth

- Point away from Normandy

- Early 1944, not just reports

- *Analysis*

- *Drawing conclusions*

- Aim - not just influence, but *replace* their intelligence service

Post-D-Day – June 9

- Stop the Panzers

- "It's just a diversion"

- "Patton's coming with FUSAG"

Awards and Commendations

Aftermath

- Pujol effectively disappeared with his Iron Cross

  - Divorced Aracelli

  - Remarried – new family in Venezuela

  - Quiet, relatively anonymous life

  - Still followed trade craft and didn't trust anyone

Aftermath

- D-Day ceremonies in 1970's

- Brought to tears by rows of crosses at Normandy

  - "I didn't do enough"
  - Oct 10, 1988

- **Know your audience**

- **Know your "mark"**

- **Don't be too perfect**

Lessons

■ **Complain a lot**

Lessons

■ **Emphasize the prime deception point but don't come right out and say it; let them draw conclusions**

Lessons

■ **Strengthen your hand**

■ Tell them about Normandy 3 hours before invasion

■ Chastise them for not responding

- **Architecture - Less is More**

- **Deception - More is More**

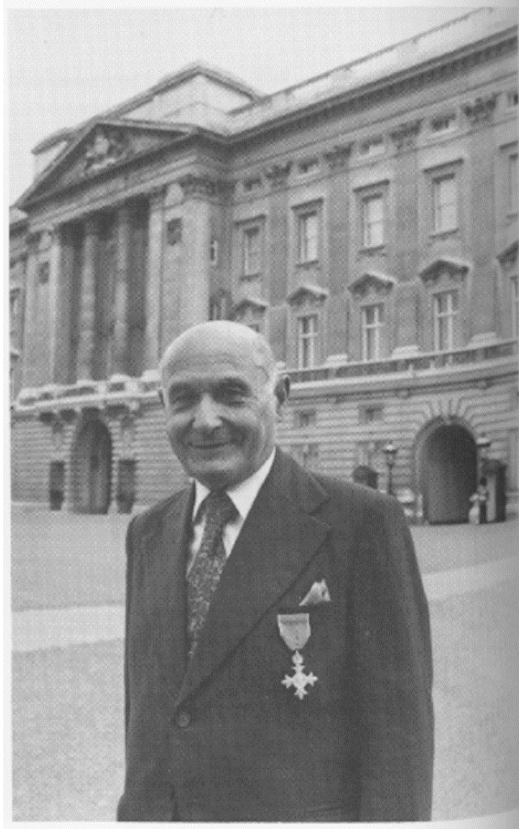- **What they <u>think</u> is important**

- **What they <u>do</u> is crucial**

Final Words

Juan Pujol wearing his MBE outside Buckingham Palace, after receiving personal thanks from the Duke of Edinburgh, June 1984.