US-Israel Cyber Alliance, and Fairfax Cybersecurity Ecosystem

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Topics

1. US-Israel Alliance
2. Israel Cybersecurity Overview
3. US-Israel Cyber Collaboration
4. Fairfax County Cybersecurity Ecosystem
US-Israel Alliance

Background

• US and Israel are close allies on multiple levels and areas;
• President Truman recognized Israel, May 15, 1948
• The relationship grow stronger after the Six-Days war, 1967.
• Since 2011, “The Arab Spring” Israel emerged as the only reliable Middle East US ally.
• MOU 2016: US Military Aid to Israel: $3.8 B, for 10 years
• 2017-2019 – joint strategic initiatives for Middle East security, stability and counter terrorism.
Israel Cyber Overview

- 350+ Cybersecurity startups
- 450+ Cyber companies (end of 2018)
- 900+ AI companies
- 50+ cyber R&D center of multinational corporations
- 10 Academic Excellent centers
- Cyber industry centers: automotive, financial institutions, manufacturers
- Highest number, cyber companies/ Capita
- 2018 - Israeli startups received $1.19 B

➢ Government – IDF Military – Industry - Academia
Israel Cybersecurity Overview

Figure 6: Israeli Cybersecurity Equity Investments

(About 20% of global VC investments -- up 47% from the previous year)

Source: Start-up Nation Central
US-Israel Cyber Collaboration

• US-Israel signed agreement to protect critical infrastructure from Cyber attacks (June 2018)
• US-Israel Cyber partnership, June 2017 (working group, FBI, DHS, State / Shin Bet, MOD, Foreign office.)
• US-Israel cybersecurity collaboration act (Dec 2016)
• U.S., Israel Sign Cybersecurity Intelligence-Sharing Agreement (June 2016)
• U.S.-Israel Strategic Partnership Act (2014)

• BIRD Foundation -- 1977
• US-Israel Binational Science Foundation (BSF) 1972
US-Israel Cyber Collaboration

State Government / Chambers:
• NYC Israel Cyber center 2018 (SOSA, JVP)
• CA – Israel MOU 2014
• NY-Israel MOU - 2009
• Virginia – Israel MOU 2008
• Texas – Israel Chamber of Commerce
• US Chamber of Commerce – Israel Cyber Authority

Industry Conferences:
• Cyber Week Tel Aviv
• Israel HLS & Cyber, Tel Aviv
• CyberTech (CA, VA, IN)
• ISDEF, Tel Aviv
• RSA Conference
FAIRFAX COUNTY, VIRGINIA: GATEWAY FOR CYBERSECURITY COMPANIES

- Nexus of cybersecurity and national defense assets
- Ecosystem of 500 cybersecurity companies
- Federal agencies, government contractors, technology firms
- Research universities, business accelerators, highly skilled workforce
- 435 international companies

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Education and Workforce

- Of the global top 500 cybersecurity firms list: 53 have presence in Fairfax County (2017)
- Workforce: Maryland – DC-Virginia:
  - 232,000 Computer IT jobs
  - 150,000 Cybersecurity workforce
  - About 50,000 jobs opening

Washington Metro Area

- Computer science degrees graduates:
  - 9,000 / year
- Cybersecurity graduates:
  - 2,000 / year

Source: 2017 QCEW, BLS
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