



EAST

Summit & Awards

20
YEARS

Critical Application Network Segmentation Acceleration

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Nominee Showcase Presentation

Company Overview



Aegon is a global company offering investments, protection and retirement solutions for approximately 29.5 million customers, always with a clear purpose of *Helping People Live Their Best Lives*

We have over 19,000 employees across the United States, Europe, United Kingdom and Asia

Our core markets are in the United States, Netherlands and the United Kingdom while our growth markets are in Spain/Portugal, China and Brazil

Our annual revenue in 2022 was approximately \$22.5B

Aegon's roots date back almost 180 years to the first half of the 19th century



Presentation Overview



- ❑ What: Project Goals
- ❑ Why: Importance to the Organization
- ❑ How: Approach, End Results, What's Next, Challenges and Lessons Learned
- ❑ Who: Project and Support Teams



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What: Project Goals

- Reduce risk and exposure (i.e. lateral moves) to the organization's most critical and vulnerable applications and infrastructure
- Step towards Zero Trust

Why: Importance to the Organization

- Our networks were built around speed and connectivity vs security and isolation, creating:
 - Exposure inherent with a flat network
 - Lack of proper boundaries to adequately protection our assets
- Network segmentation provides immediate protection for critical assets while also allowing us time to address our legacy technical debt



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How: Approach

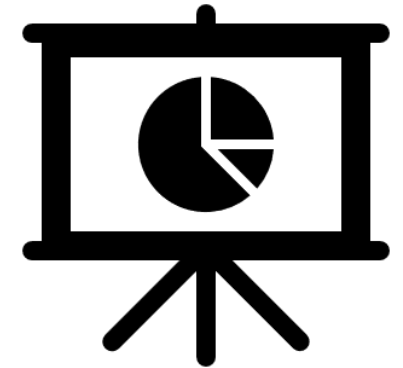
- Aegon launched a comprehensive, risk-based Security Strategy with clearly-defined metric-based targets 4Q 2020
 - Network Segmentation was one of the 12 initiatives under that strategy
- Global initiative across 5 countries that implemented segmentation across approximately 270 critical applications
- Guardicore was chosen for its ability to segment servers and applications from each other logically without affecting the network configuration of the servers
 - Allowing us to accelerate our critical application segmentation efforts concurrent to boarder network segmentation activity
- Project Stages
 - Discovery of the in-scope assets
 - Monitoring / logging
 - ✓ 30+ days monitoring period
 - Carefully staggered implementation of blocking policy
 - Post implementation monitoring of block rules for further tuning



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End Results

- Delivered divisional, environmental, and host-level application segmentation among our critical applications benefitting us by:
 - Limiting potential damage to a single application/Business Unit in the event an application is compromised
 - Improving visibility of application flows and behavior
 - Delivering granular segmentation capabilities at the host level based on the use of Labels to logically represent applications
 - Reducing risk and exposure significantly through the "flat network" without the need for network/routing adjustments
- Implementation of Guardicore was a key project under our 2022 Security Strategy designed to increase our Security posture. As a result of these efforts, we were able to renew our Cyber Insurance at the same coverage level for approximately \$1,000,000 less than our 2021 renewal cost



What is Next

- Apply to medium risk applications



Challenges



- ✓ Business Unit support
 - We temporarily suspended network segmentation during year-end process in an abundance of caution
- ✓ Communication
 - Timely
 - Correct stakeholders
- ✓ Immature CMDB
- ✓ Unexpected impacts



Lessons Learned/Best Practices

- ✓ Organizational support and buy-in is critical
- ✓ Close alignment with application developer is important to anticipate and address potential impacts
- ✓ Segmentation is a journey
- ✓ Shared infrastructure is difficult to segment
- ✓ An accurate CMDB is key
- ✓ Security by Design is important
- ✓ Even though we did not have to change network configuration we still experienced growing pains especially when addressing applications retroactively vs greenfield



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Project Team

- Georgie Pender-Bey, Manager Network Security
- Jen Campbell, Principle Identity and Access Management
- Vinodh Jayavelu, Lead Network Security Engineer
- Greg Kann, Lead Network Security Engineer
- Will Wu, Lead Network Security Engineer

Support Team

- Dan Barnett, Lead Infrastructure Security Services
- Peter Gerencser, Network Security Engineer
- Raghu Kotakanda, Senior Network Security Analyst
- Collin Sondergard, Intermediate Network Security Analyst

