Agari
Advanced Threat Protection

25-Oct-2018

Email is the Top Attack Vector for Social Engineering Attacks

96% of Social Attacks Use Email

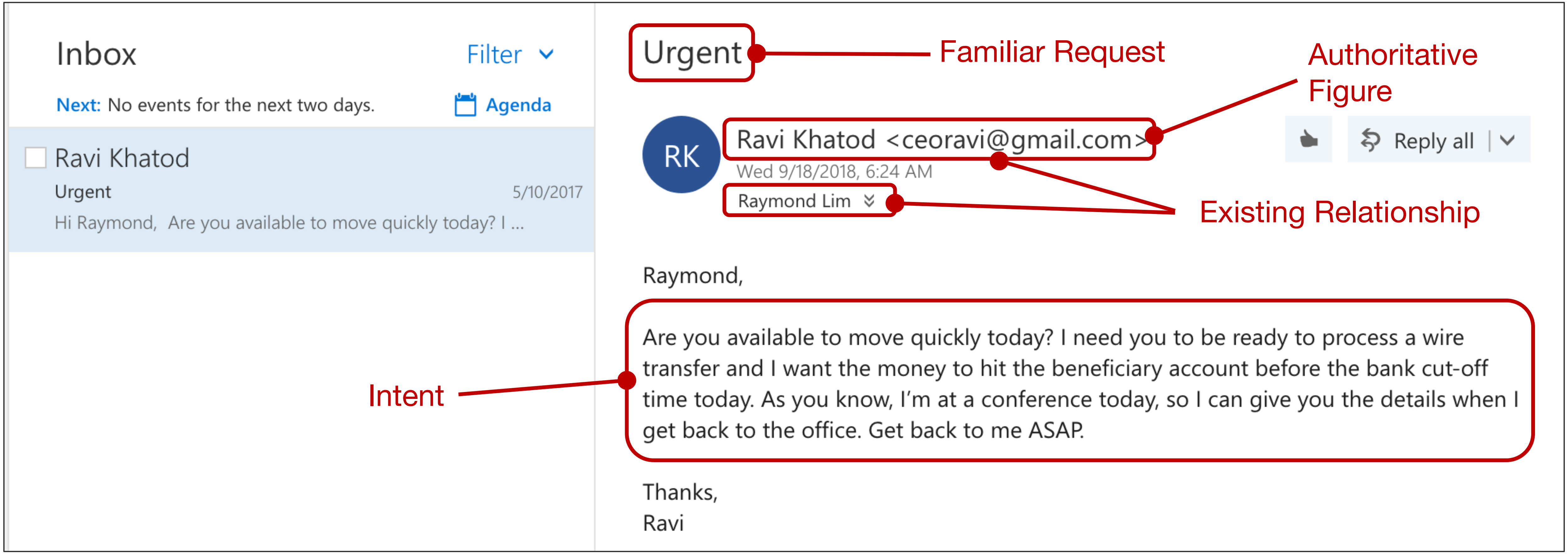
Even as attackers expand to new vectors, Email must be a top priority

88%
YoY Rise in Business Email Compromise

22% of employees will click on a phishing link

Source: Verizon Data Breach Report & FBI IC3 Annual Report

Cybercriminals can Easily Take-on a Persona to Exploit Victims



Next: No events for the next two days.

□ Ravi Khatod
Urgent 5/10/2017
Hi Raymond, Are you available to move quickly today? I ...

Urgent

Familiar Request

Ravi Khatod <ceoravi@gmail.com>
Wed 9/18/2018, 6:24 AM
Raymond Lim

Authoritative Figure

Existing Relationship

Raymond,

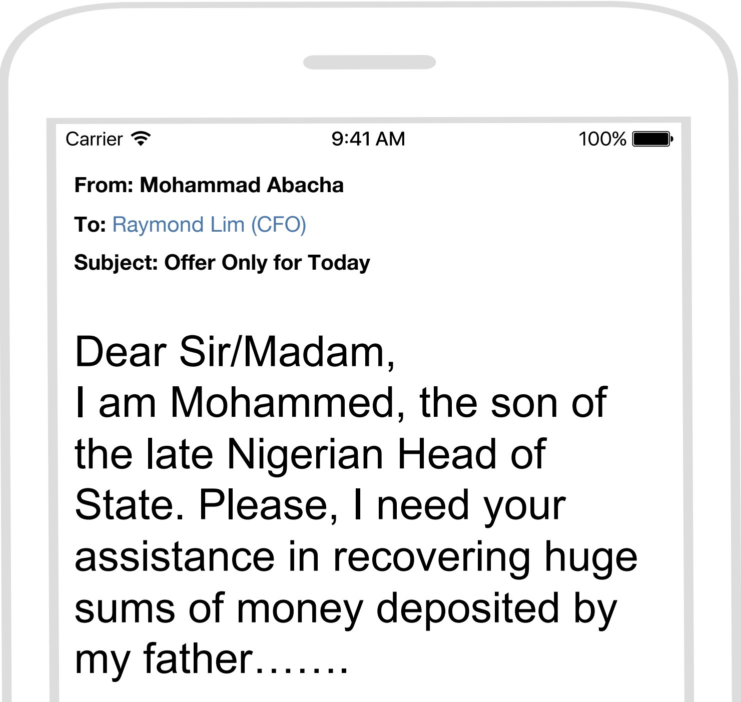
Are you available to move quickly today? I need you to be ready to process a wire transfer and I want the money to hit the beneficiary account before the bank cut-off time today. As you know, I'm at a conference today, so I can give you the details when I get back to the office. Get back to me ASAP.

Intent

Thanks,
Ravi

While Content Analysis can Discover Intent & Attacker Insight….

Unsolicited Scam



Carrier 9:41 AM 100%

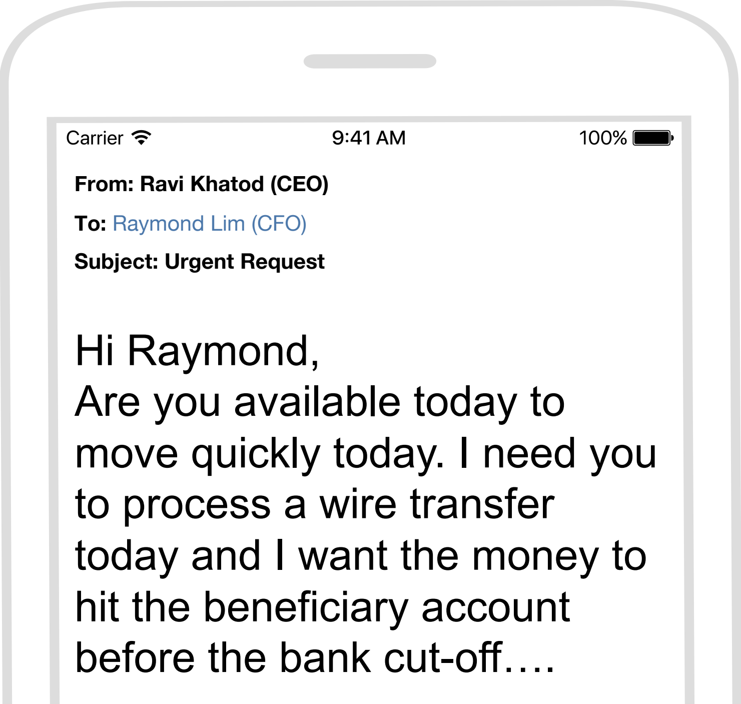
From: Mohammad Abacha

To: Raymond Lim (CFO)

Subject: Offer Only for Today

Dear Sir/Madam,
I am Mohammed, the son of the late Nigerian Head of State. Please, I need your assistance in recovering huge sums of money deposited by my father…….

Business Email Compromise



Carrier 9:41 AM 100%

From: Ravi Khatod (CEO)

To: Raymond Lim (CFO)

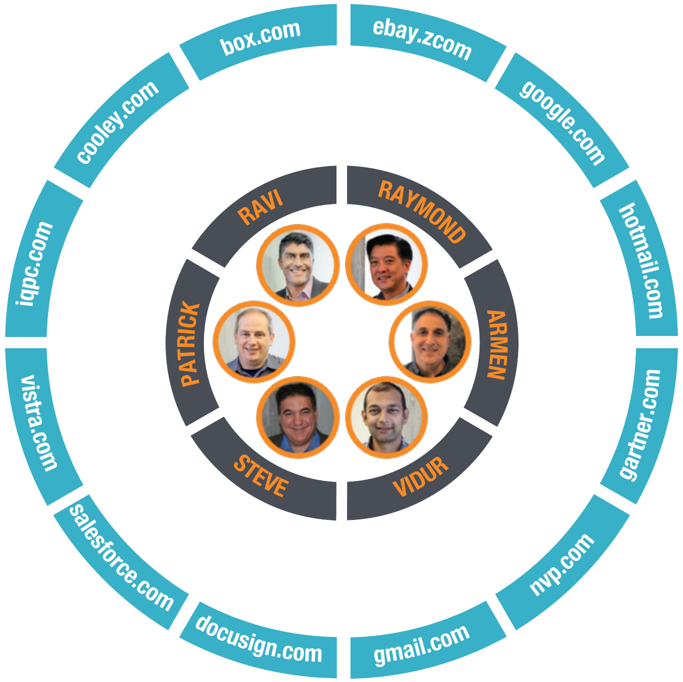
Subject: Urgent Request

Hi Raymond,
Are you available today to move quickly today. I need you to process a wire transfer today and I want the money to hit the beneficiary account before the bank cut-off….

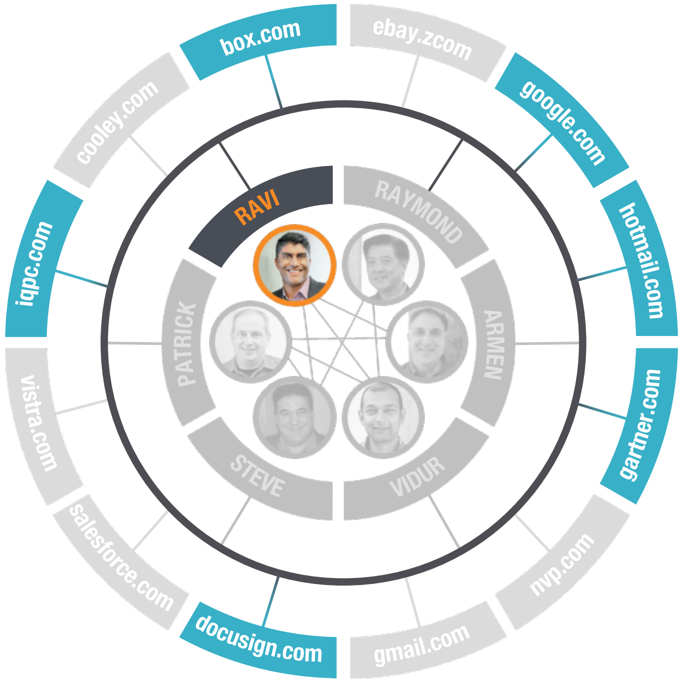
… To Justify Further Actions

Modeling Sender Identity & Behavior Can Lead to Faster Prevention

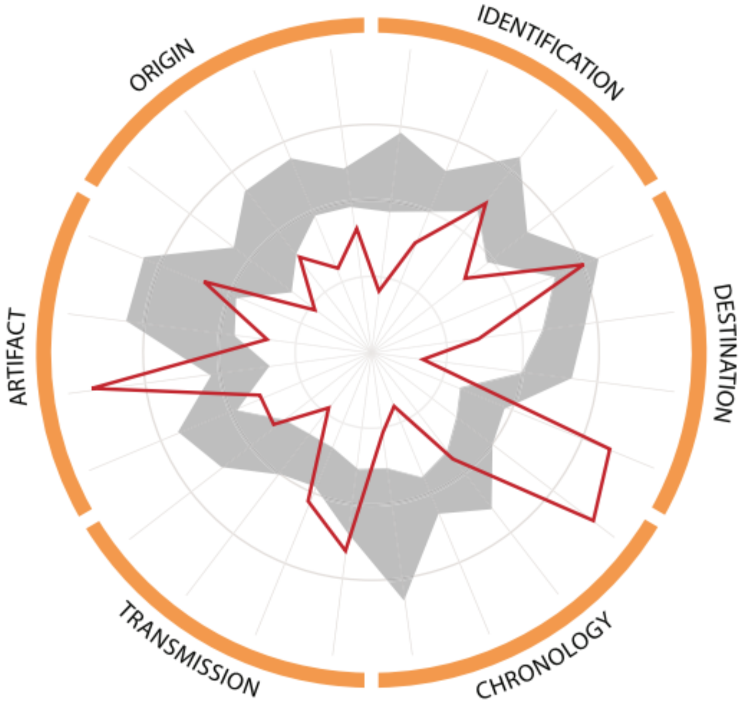
Map and Authenticate Identities



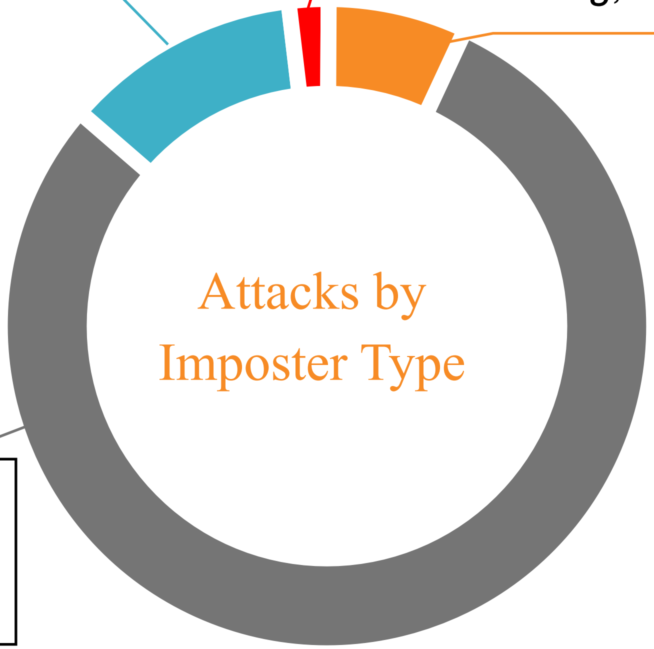
Learn and Model Behavioral Relationships



Score Message vs. Expected Behavior



Making Phishing Prevention More Efficient



Attacks by Imposter Type

Exact Domain Spoof

From:	Lisa Su <Lisa.Su@amd.com>
To:	Brian Krzanich <BrianK@intel.com>
Subject:	Partnership Agreement

Attackers Leverage:
Public Cloud Infrastructure

Display Name Deception

From:	Chase Support <chase@gmail.com>
To:	Tom Frost <ffrost@amazon.com>
Subject:	Account Disabled

Attackers Leverage: Free Webmail Providers

Compromised Account

From:	Raymond Lim <rlim@contoso.com>
To:	Cong Ho <cho@contoso.com>
Subject:	PO 382313

Attackers Leverage:
Phishing, Weak Passwords

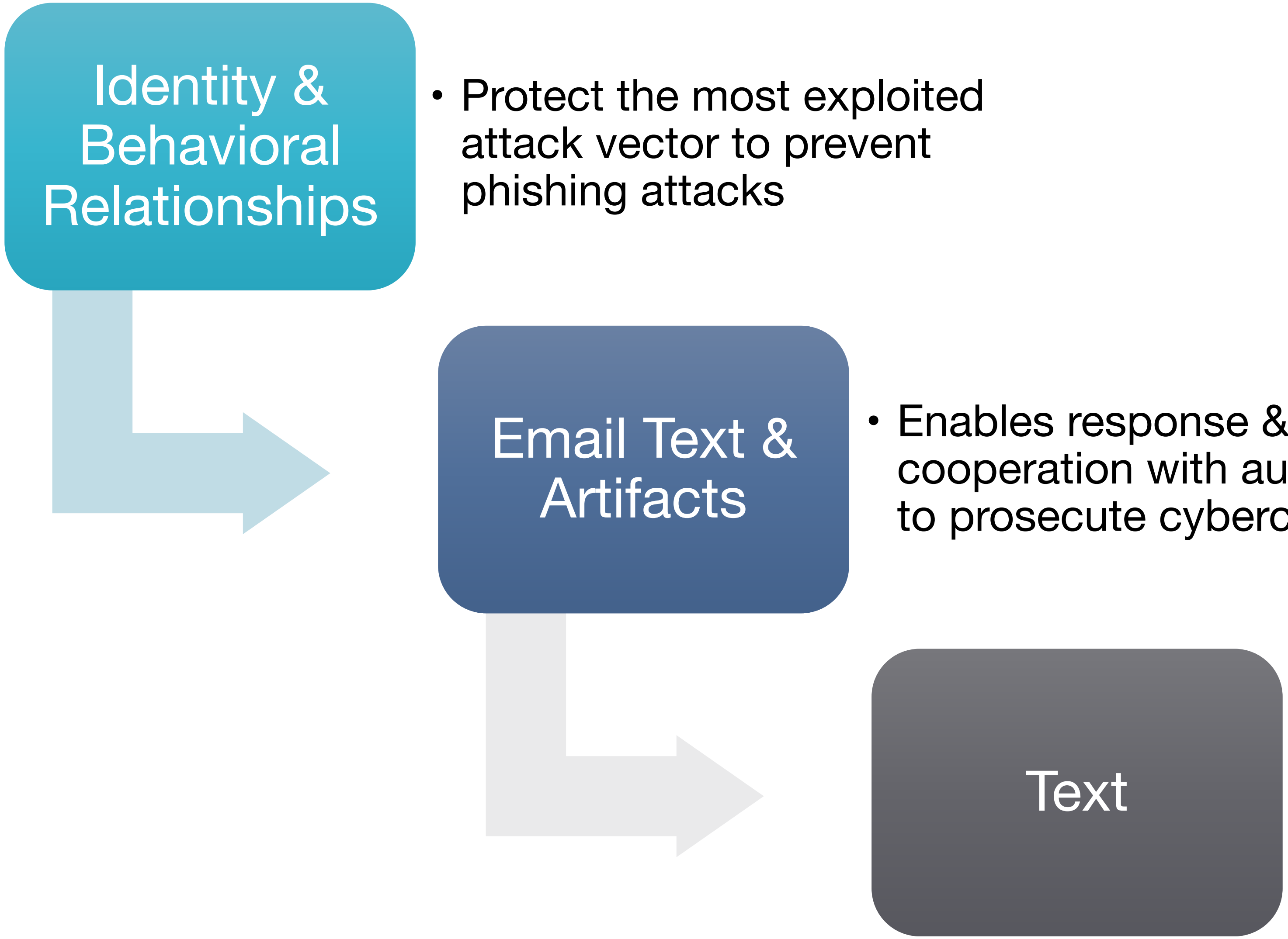
Look-Alike Domain

From:	LinkedIn <noreply@liinkediin.com>
To:	Jan Bird <jan.bird@gs.com>
Subject:	Diana has endorsed you!

Attackers Leverage:
Cheap Domain Registrars

Source: Agari Business Email Compromise Attack Trends Report

Ultimately, Using In-Depth Email Analysis Expands Protection



Identity & Behavioral Relationships

- Protect the most exploited attack vector to prevent phishing attacks

Email Text & Artifacts

- Enables response & cooperation with authorities to prosecute cybercrime

Text

- Expands protection to non-email based attack vectors

Next Steps

Connect with Agari at Black Hat:

Stop by Booth #600

black hat®
EUROPE 2018

Attend an Agari Live Session at Black Hat Europe

Title: Understanding the Criminal Mind
How Western European BEC Syndicates Leverage Business Intelligence

Date/Time: Wednesday, Dec. 5, 2:55pm-3:30pm

Learn More About Defending Against Social Engineering:

Agari.com/social-engineering

Thank You

AJ Shipley
ashipley@agari.com
www.agari.com
@agariinc