



AGC

THE CONSTRUCTION
ASSOCIATION

March 31, 2020

Navigating the Outbreak, Part VII: The Additional Pressure the Outbreak Places on Your Information Technology Operations

Shobhit Baadkar

President, TITAN AEC



Bio

- Over 20 years of implementing technology within the Architecture, Engineering, and Construction market segments. Specializing in data security, virtual design & construction (VDC), mixed reality, and reality capture.

Cybersecurity



Workstation



Mobile Device



Device Updates

Cybersecurity @ Home



- Map Your Home Network
- How Are You Connecting To The Office?
 - Company Issued Laptop?
 - Company Issued Desktop?

Workstation vs. Laptop



- Workstation Configuration
 - Operating System Updates
 - Enterprise Software
 - VPN
 - Anti-Virus Updates
- Laptop Configuration
 - Operating System Updates
 - Enterprise Software
 - VPN
 - Anti-Virus Updates

Mobile Devices

Tablets vs Smart Phones

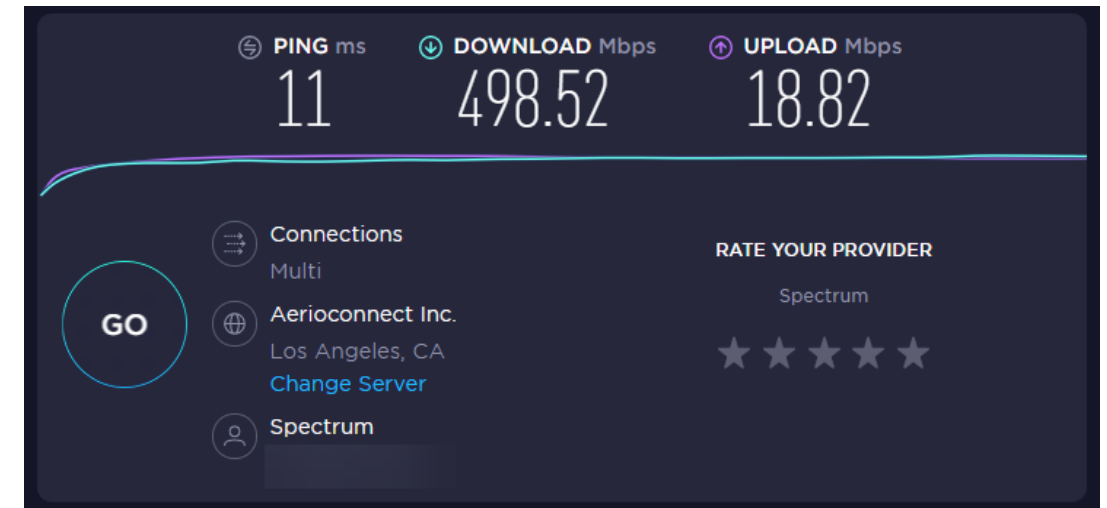


- Physically Secure Devices
 - DO NOT Share With Family Members
- Latest Operating System Updates
- Latest Application Updates
 - Developers are Updating More Frequently

Connecting From Home



- Hard Wired?
- Wireless
- Make Sure Your Router / Modem Is Updated
- Download Speeds vs Upload Speeds
- Stress Test
 - Can You & Family Connect?
 - Any Issues ?



Phishing Scheme

- File Download
- Bitcoin Extortion
- Mobile Device Scam



Attachment Phishing



- DO NOT Forward
- Call The Sender
- DELETE E-mail
- DO NOT Click

Your statement: March 04 2020



To

Reply

Reply All

Forward



Wed 3/4/2020 12:44 PM

LinkedIn

+ Get more add-ins

New Document: Your statement: March 04 2020

You have received a new document.

Preview:

[Preview Statement_002](#)

Subject: Your statement: March 04 2020

Date: 2020-02-04

Message:

The document is attached to this



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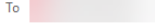
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


Bitcoin Extortion




- DO NOT Reply
- DELETE E-mail
- DO NOT Click
- Change Your Passwords

 : 

 Prue Kondylis <tsabigailiu@outlook.com>
To: 

 Reply  Reply All  Forward 

Wed 7/10/2019 8:38 AM

I do know  one of your passphrases. Lets get directly to purpose. Nobody has paid me to check about you. You do not know me and you're probably thinking why you're getting this e-mail?

I placed a malware on the adult vids (porn) site and guess what, you visited this website to have fun (you know what I mean). While you were viewing video clips, your web browser started out operating as a Remote control Desktop having a key logger which gave me access to your screen and also web cam. after that, my software collected your entire contacts from your Messenger, FB, as well as email. and then I made a double video. 1st part shows the video you were viewing (you've got a nice taste lol . . .), and 2nd part displays the view of your cam, and it is u.

You do have 2 options. We will go through the choices in particulars:

First option is to neglect this email message. Consequently, I am going to send out your very own videotape to just about all of your personal contacts and think regarding the humiliation you will get. and consequently in case you are in an intimate relationship, just how it would affect?

Next alternative would be to pay me \$1326. Lets call it a donation. in this situation, I most certainly will immediately delete your video footage. You can keep daily life like this never took place and you never will hear back again from me.

You will make the payment through Bitcoin (if you don't know this, search 'how to buy bitcoin' in Google).

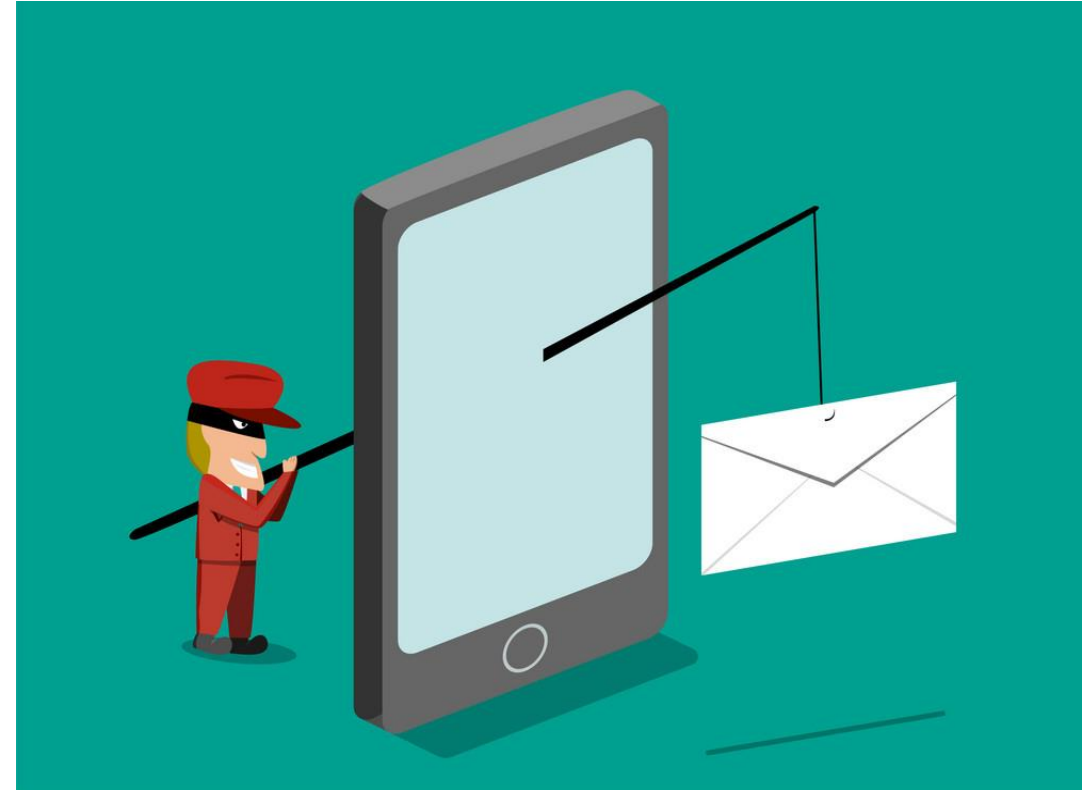
BTC address:

1DvDK4RkUV6nu4TGw6bxRJdWoTeqdR4n1R
[case-SENSITIVE, copy & paste it]

In case you are making plans for going to the cops, very well, this mail cannot be traced back to me. I have taken care of my moves. I am not looking to charge a fee a lot, I only want to be compensated. I have a unique pixel in this e-mail, and now I know that you have read this email message. You have one day to pay. if I don't receive the Bitcoins, I will, no doubt send out your video recording to all of your contacts including family members, coworkers, and so forth. However, if I do get paid, I'll destroy the recording immediately. if you really want evidence, reply with Yes! and I definitely will send your video recording to your 12 friends. it is a nonnegotiable offer thus don't waste my time and yours by responding to this email message.

Mobile Device Scam

- DO NOT Reply
- DO NOT Forward
- DELETE Message
- Examples
 - Amazon Stimulus Money
 - Uber Eats / Door Dash, etc. Change Password
 - COVID-19 Related (Maps, etc.)



Angus Frost

Senior Consultant, Burger Consulting Group



Bio

- With over 14 years' experience providing strategic technology consulting to the construction industry, Angus is most often involved in performing situation assessments of current infrastructure, the applications that it supports, and the skills and processes needed within IT to fully support an organization. His portfolio of recent projects includes business continuity planning, data center reduction planning, IT staffing and IT risk mitigation

The Impact on Infrastructure



- Business Continuity Planning...without the plan
- Supporting Work From Home (WFH) in a crisis
- Stress points for IT

Three Phases



Provisioning



Stabilizing



Maintaining

Current Situation



- Partnering
- Surveying
- Inventorying
- Tracking



Equipment

- Computers
- Monitors
- Printers
- Scanners
- Headsets
- Cameras
- Phones



Applications and Files



- Local
- Client/Server
- Cloud/Web
- Mobile
- Hybrid

Connectivity



- Competing with Netflix and Xbox
- Redundancy
- Monitoring

Supporting Tools



- Communications
- Collaboration
- Task Tracking
- Time Tracking
- Training
- Support

Presenter

Jeff Sample - Director of Strategic Accounts eSUB

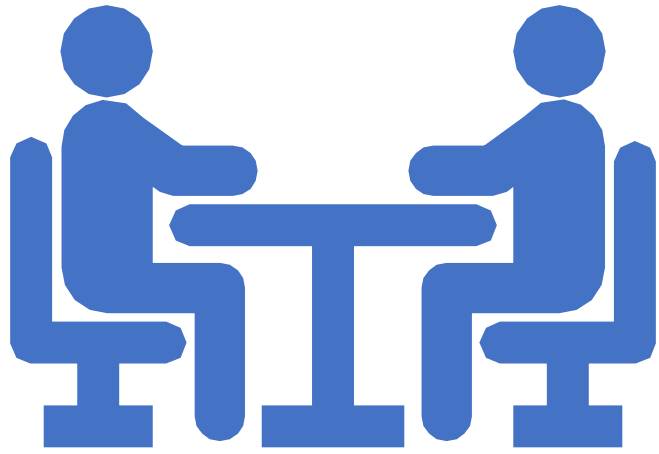


Bio

With a strong background in software development, Jeff has spent the past 20 years guiding companies on the transformative value of technology. As Director of Strategic Accounts for eSUB Construction Software, Jeff conducts technology assessments for trade contractors and develops recommendations and roadmaps to adopt a secure and thriving IT ecosystem. His depth of IT experience in a variety of industries and his passion for outdoor adventures and Ironman competitions has made Jeff widely known as the “The Ironman of IT.” He is a popular speaker and vocal thought leader in construction, spending much of his time educating on a variety of topics to better the industry as a whole.

Communication Beyond the Tools

Single Source of Truth



Create a Communication Team and Hub

1. No more than 3-5 people - leadership team/corporate communications/ HR executive
2. Meet regularly to monitor situation as it evolves
3. Main source of information about the crisis
4. Regular updates to team-Daily

Transparent-what you know, what you don't know, and your sources of information

Succinct-explain in clear language, not lawyer speak

Company Operations Tiers



Tier 1 – Normal Operations



Tier 2 – Abundance of Caution

No business travel to high-risk areas
Enforce adherence to sick leave / work from home guidance
Personal travel to high-risk areas must be followed by 14 days of self-quarantine
For the next 8 weeks, no conference attendance



Tier 3 – Minimize Exposure

Essential business travel only (CEO must approve)
Personal attendance at large public gatherings must be followed by 14 days of self-quarantine (ex: foreign & domestic travel, amusement parks, sporting events, 500+ attendees)
Individuals at high risk or with family members at high risk may work from home after working out a plan with your manager's approval
No conference attendance



Tier 4 – Community Containment

Everyone works from home
No business travel

Mindset Change



Agile Methods



Daily Check ins



Understanding Stress



Respect for Perspective

Introverts & Extroverts



Check in with each person

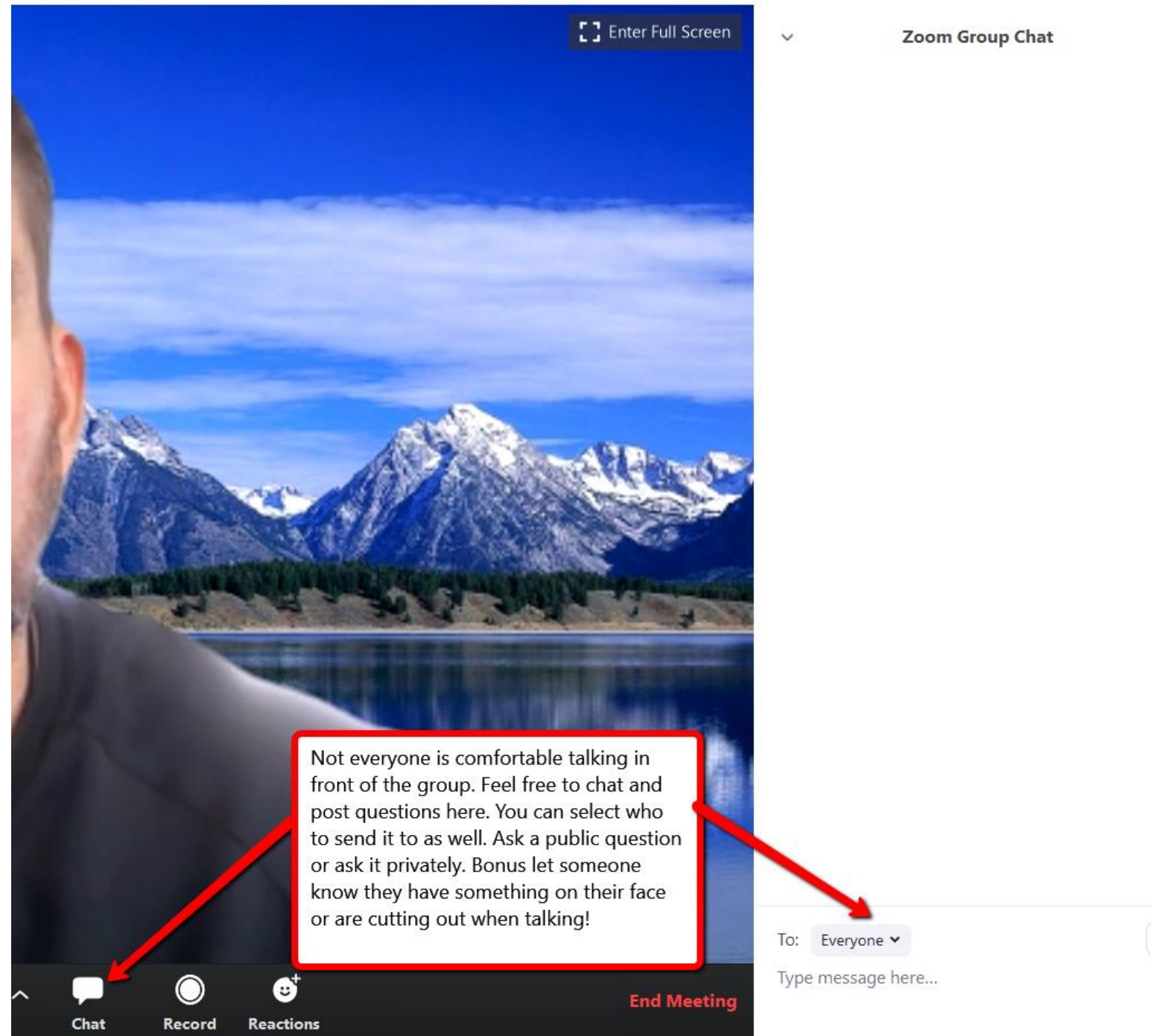


Vary the order



Know your people

Everyone can
have a voice:
Even if you don't
want to talk



ID: 551-195-955



Privacy and
a little
flare!

Project Management Basics

Documentation is critical

- Document work in place
 - Photos
 - Videos
 - Notes
- Centralized Document Controls
 - RFI
 - Change Orders
- Scheduling
 - Supply Chain
 - Manpower
- Real time Information
- Stored in the Cloud

We are better
together



Questions?

- **Security:** Shobhit Baadkar, President, TITAN AEC sbaadkar@titanaec.com
- **Infrastructure:** Angus Frost, Burger Consulting Group
ahfrost@burgerconsulting.com
- **People & Processes:** Jeff Sample, Director of Strategic Accounts, eSUB jeff@esub.com

ConstructorCast: “Cybersecurity and Construction”



Construction firms are vulnerable to many forms of cyberattacks, including social engineering, ransomware attacks, wire fraud, and hacking.

On this episode, Nikki Ingram, a cybersecurity risk engineer with Zurich North America, talks about what you need to look out for and shares some tips and preventative measures that will help contractors protect themselves.

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Thank you.