

SECOND QUARTER

# Adversarial Threat Report

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## PURPOSE OF THIS REPORT

Our public threat reporting began about six years ago when we first shared our findings about [coordinated inauthentic behavior](#) (CIB) by a Russian covert influence operation. Since then, we have expanded our ability to respond to a wider range of adversarial behaviors as global threats have continued to evolve. To provide a more comprehensive view into the risks we tackle, we've also expanded our regular threat reports to include other emerging threats and our detailed insights — all in one place, as part of the quarterly reporting series. In addition to sharing our analysis and threat research, we're also publishing threat indicators to contribute to the efforts by the security community to detect and counter malicious activity elsewhere on the internet (See [Appendix](#)).

We expect the make-up of these reports to continue to evolve in response to the changes we see in the threat environment and as we expand to cover new areas of our Trust & Safety work. This report is not meant to reflect the entirety of our security enforcements, but to share notable trends and investigations to help inform our community's understanding of the evolving threats we see. We welcome ideas from our peers across the defender community to help make these reports more informative, and we'll adjust as we learn from feedback.

For a quantitative view into our Community Standards' enforcement, including content-based actions we've taken at scale and our broader integrity work, please visit Meta's Transparency Center here: <https://transparency.fb.com/data/>.

### **What is Coordinated inauthentic behavior (CIB)?**

**We view CIB** as coordinated efforts to manipulate public debate for a strategic goal, in which fake accounts are central to the operation. In each case, people coordinate with one another and use fake accounts to mislead others about who they are and what they are doing. When we investigate and remove these operations, we focus on behavior rather than content — no matter who's behind them, what they post or whether they're foreign or domestic.

**Continuous CIB enforcement:** We monitor for efforts to come back by networks we previously removed. Using both automated and manual detection, we continuously remove accounts and Pages connected to networks we took down in the past. See [Section 5](#) for specific examples of our work to detect and counter recidivism.

## SUMMARY OF OUR FINDINGS

In our Q2 Adversarial Threat report, we're sharing findings about three separate covert influence operations that violated our policy against CIB. They originated in Türkiye and Iran. We are also sharing detailed threat research and analysis about a China-based network that we estimate to be part of the largest cross-platform operation we've disrupted to date. And finally, this report includes new research into the so-called Doppelganger influence operation from Russia that we first took down in September of 2022.

**1. Türkiye and Iran:** We removed a network of 22 Facebook accounts, 21 Pages and seven Instagram accounts in Türkiye and Iran that targeted audiences in Türkiye. We took it down before it was able to build an audience. The people behind this activity created and operated a network of websites posing as independent news entities, while apparently relying on unwitting authors to create content. This campaign attempted to post links to its websites across multiple internet services including Facebook, Instagram, Twitter, Telegram, LinkedIn and Pinterest. We found this network as a result of our internal investigation into suspected coordinated inauthentic behavior in the region, and connected it to the network we [took down](#) in 2018.

**2. Türkiye:** We removed a network of 34 Facebook accounts, 49 Pages, 107 Groups and 12 Instagram accounts in Türkiye that targeted domestic audiences in that country. This campaign focused on running a dozen off-platform websites posing as independent news media that contain pay-per-click ads, likely to monetize traffic. The operation tried to amplify these domains across social media, including Facebook, Instagram, Twitter, and YouTube to make their content appear more popular than it was. We found this network as a result of our internal investigation into suspected coordinated inauthentic behavior in the region, and linked it to individuals in Türkiye, including those associated with Turkuaz Gazetesi, an online news outlet.

**3. Türkiye:** We removed a network of 60 Facebook accounts, 37 Pages, 2 Groups and 20 Instagram accounts in Türkiye that targeted domestic audiences in that country. The individuals behind this operation created fictitious brands that featured distinctive logos, profile photos, visual styles and hashtags across Facebook, Instagram, Twitter and TikTok. We found this network as a result of our internal investigation into suspected coordinated inauthentic behavior in the region, and linked it to four social media agencies: VOMM Creative, Skala Medya, TMSC Media and Bin945 Creative Works. Our assessment benefited from reviewing public reporting on some of this activity.

**4. China:** We took down thousands of accounts and Pages that were part of what appears to be the largest known cross-platform covert influence operation in the world. It was active on more than

50 platforms and forums, including Facebook, Instagram, X (formerly Twitter), YouTube, TikTok, Reddit, Pinterest, Medium, Blogspot, LiveJournal, VKontakte, Vimeo, and dozens of smaller platforms and forums. This campaign was run by geographically dispersed operators across China who appeared to be centrally provisioned with internet access and content. It included positive commentary about China and its province Xinjiang and criticisms of the United States, Western foreign policies, and critics of the Chinese government including journalists and researchers. Our investigation found links to individuals associated with Chinese law enforcement. We were also able to link this network to the so-called “Spamouflage” operation and its many separate clusters of spammy activity that Meta and our peers have been taking down since 2019.

**5. Russia:** We’re publishing new threat research into the Russian operation that we first disrupted a year ago – it mimicked the websites of mainstream news outlets in Europe to post fake articles about Russia’s war in Ukraine. We shared our detailed threat research far and wide last year – including attribution to two Russian firms – so that others can take appropriate action too. Recently, these companies were [sanctioned](#) by the EU. Because we know that these deceptive campaigns are persistent and often try to come back — if not on our platforms, then somewhere else – our work to counter them goes beyond our initial takedown. Our latest findings show that this campaign has continued to pursue its single mission – to weaken support for Ukraine against Russia’s invasion. It has expanded beyond its initial targeting of France, Germany and Ukraine itself to now also include the US and Israel. Among its most recent domain spoofing targets were the Washington Post, Fox News, and NATO. We assess this network to be the largest and the most aggressively persistent Russian-origin operation we’ve taken down since 2017.

**Domain registration abuse:** Four out of five covert influence operations in this report ran websites that pose as independent news outlets, including the Russia-based campaign that spoofed mainstream media organizations. While we continue to block malicious domains engaged in violating activity from being shared on our services, enforcements on each individual platform can only go so far in disrupting these internet-wide campaigns while their websites remain live. Transparency and cross-society responses are key to tackling these malicious efforts to manipulate public debate, because each of the tech platforms, researchers, media and government entities, domain registrars and regulators have a unique but limited view into individual elements of these deceptive campaigns. We’re sharing our [policy and enforcement recommendations](#) for tackling domain registration abuse across the internet and multiple threat types.

# 01

## Türkiye and Iran

**We removed 22 Facebook accounts, 21 Pages and seven Instagram accounts for violating our policy against [coordinated inauthentic behavior](#). This network originated in Türkiye and Iran and targeted audiences in Türkiye.**

The people behind this activity operated a network of websites posing as independent news entities where they posted primarily in Turkish about news and current events in the Middle East region, including supportive commentary about Iran and Palestine; verbatim statements by Ayatollah Ali Khamenei; and critical commentary about Israel, the United States, the Turkish government and the Justice and Development Party (AKP) in Türkiye. The operation appeared to have relied on unwitting authors to create content. This campaign attempted to post links to its websites across multiple internet services including Facebook, Instagram, Twitter, Telegram, LinkedIn and Pinterest.

The individuals behind this network used fake accounts – some of which were detected and removed by our automated systems – to manage Pages, post content, and drive people to their off-platform domains. We removed them before they were able to build an audience.

We found and removed this network as a result of our internal investigation into suspected coordinated inauthentic behavior in the region, ahead of the elections in Türkiye. Our investigation found links between this activity and the network we [took down](#) in 2018.

- *Presence on Facebook and Instagram: 22 Facebook accounts, 21 Pages, and seven Instagram accounts*
- *Followers: About 11,000 accounts followed one or more of these Pages and about 17,000 accounts followed one or more of these Instagram accounts.*
- *Advertising: About \$670 in spending for ads on Facebook, paid for mostly in Turkish lira and US Dollars*

# 02

## Türkiye

**We removed 34 Facebook accounts, 49 Pages, 107 Groups and 12 Instagram accounts for violating our policy against [coordinated inauthentic behavior](#). This activity originated in Türkiye and targeted domestic audiences in that country.**

This campaign focused on running a dozen off-platform websites posing as independent news media where they posted content in Turkish about current events in the country, including politics, critical commentary about the opposition, supportive commentary about the AKP, sports, entertainment, and other non-political topics. These “news” websites appear to contain pay-per-click ads, likely to monetize traffic. The operation then tried to amplify these domains across social media, including Facebook, Instagram, Twitter, and YouTube to make their content appear more popular than it was. The operation appears to have used web tools to automate posting on their websites and on social media.

The people behind this activity relied on a combination of compromised, duplicate and fake accounts – some of which were detected and removed by our automated systems – to manage Pages and Groups, and post and like their own content. Some of these Groups went through significant name changes over time and appeared to have been acquired from others.

We found and removed this network as a result of our internal investigation into suspected coordinated inauthentic behavior in the region, ahead of the elections in Türkiye. Although this operation attempted to conceal their identities and coordination, our investigation found links to individuals in Türkiye, including those associated with Turkuaz Gazetesi, an online news outlet. We also found links to a cluster of spammy activity we had previously taken action against for violating our policy against inauthentic behavior by using abusive audience building tactics.

- Presence on Facebook and Instagram: *34 Facebook accounts, 49 Pages, 107 Groups and 12 Instagram accounts*

- *Followers: About 1.9 million accounts followed one or more of these Pages, around 1 million accounts joined one or more of these Groups and about 125,000 accounts followed one or more of these Instagram accounts.*
- *Advertising: About \$21,000 in spending for ads on Facebook, paid for mostly in Turkish lira.*



# 03

## Türkiye

**We removed 60 Facebook accounts, 37 Pages, 2 Groups and 20 Instagram accounts for violating our policy against [coordinated inauthentic behavior](#). This activity originated in Türkiye and targeted domestic audiences in that country.**

The people behind this activity used a combination of authentic, duplicate and fake accounts - some of which were detected and disabled by our automated systems - to admin Pages, post and like their own content. Likely in an attempt to evade our detection and enforcement, this network transferred management of its Pages from one fake account to another over time. Some of these fake accounts used profile photos likely generated using machine learning techniques like generative adversarial networks (GAN).

The individuals behind this operation created a number of fictitious brands that featured distinctive logos, profile photos, visual styles and hashtags across Facebook, Instagram, Twitter and TikTok. They posted primarily in Turkish about politics and current events in Türkiye and the region, including critical commentary about the opposition, European Union and United States, and supportive commentary about the AKP and its policies.

We found and removed this network as a result of our internal investigation into suspected coordinated inauthentic behavior in the region, ahead of the elections in Türkiye. Our assessment benefited from public reporting about a portion of this cross-internet activity. Although the people behind it attempted to conceal their identities and coordination, our investigation found links to four social media agencies: VOMM Creative, Skala Medya, TMSC Media and Bin945 Creative Works.

- *Presence on Facebook and Instagram:* 60 Facebook accounts, 37 Pages, 2 Groups and 20 Instagram accounts.

- *Followers:* About 1.3 million accounts followed one or more of these Pages, about 30,000 accounts joined one or more of these Groups, and about 355,000 accounts followed one or more of these Instagram accounts.
- *Advertising:* About \$667,000 in spending for ads on Facebook, paid for mostly in Turkish lira.

# 04

## China

### IN-DEPTH RESEARCH & ANALYSIS

#### EXECUTIVE SUMMARY

**We removed 7,704 Facebook accounts, 954 Pages, 15 Groups and 15 Instagram accounts for violating our policy against [coordinated inauthentic behavior](#). This network originated in China and targeted many regions around the world, including Taiwan, the United States, Australia, the United Kingdom, Japan, and global Chinese-speaking audiences.**

We began this investigation after reviewing public reporting about off-platform activity that targeted a human-rights NGO in late 2022. Following this lead, we were able to uncover a large and prolific covert influence operation which was active on more than 50 platforms and forums, including X (formerly Twitter), YouTube, TikTok, Reddit, Pinterest, Medium, Blogspot, LiveJournal, VKontakte, Vimeo, and dozens of smaller platforms and forums, as well as Facebook and Instagram.

On our platform, this network was run by geographically dispersed operators across China who appear to have been centrally provisioned with internet access and content directions. Many of their accounts were detected and disabled by our automated systems. We assess that this likely led the people behind it to increasingly shift to posting its content on smaller platforms and then trying to amplify it on larger services in hopes to maintain persistence. We have not found evidence of this network getting any substantial engagement among authentic communities on our services. In fact, one of the key tactics we've seen them use was acquiring spammy Pages whose inauthentic following likely came from fake engagement farms around the world, notably in Vietnam, Bangladesh and Brazil. This meant that Pages that mainly posted in Chinese and English were almost exclusively followed by accounts from countries outside of their target regions.

This network typically posted positive commentary about China and its province Xinjiang and criticisms of the United States, Western foreign policies, and critics of the Chinese government including journalists and researchers. To illustrate the range of content themes pursued by this network, we've included sample headlines in the [Appendix](#).

While this network's activity on our platform mainly consisted of spammy sharing of links, in addition to memes and text posts, our investigation identified notable distinctive errors, behavioral patterns and operational structure that allowed us to connect it to a number of more complex and long-running large clusters of activity across the internet. As we worked to understand the full scope of this activity across the board, we were also able to identify links between this network and many separate clusters of spammy activity we've been detecting and removing under our Inauthentic Behavior policy since August 2019 which are known in the security community as "[Spamouflage](#)."<sup>1</sup> (For the purposes of this report, we'll refer to this latest China-based operation as Spamouflage). Taken together, we estimate Spamouflage to be the largest known cross-platform covert influence operation to date.

Although the people behind this activity tried to conceal their identities and coordination, our investigation found links to individuals associated with Chinese law enforcement.

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## TAKEDOWN BY THE NUMBERS

- *Presence on Facebook and Instagram:* 7,704 Facebook accounts, 954 Pages, 15 Groups and 15 Instagram accounts
- *Followers:* About 560,000 accounts followed one or more of these Pages, fewer than 10 accounts joined one or more of these Groups and about 870 accounts followed one or more of these Instagram accounts. We assess that this network's Pages were likely acquired from spam operators with built-in inauthentic followers primarily from Vietnam, Bangladesh and Brazil – none of which we assess to be the targets of this operation.
- *Advertising:* At least \$3,500 in spending for ads related to this operation's activity on Facebook, paid for mostly in Chinese yuan, Hong Kong dollars and US dollars.

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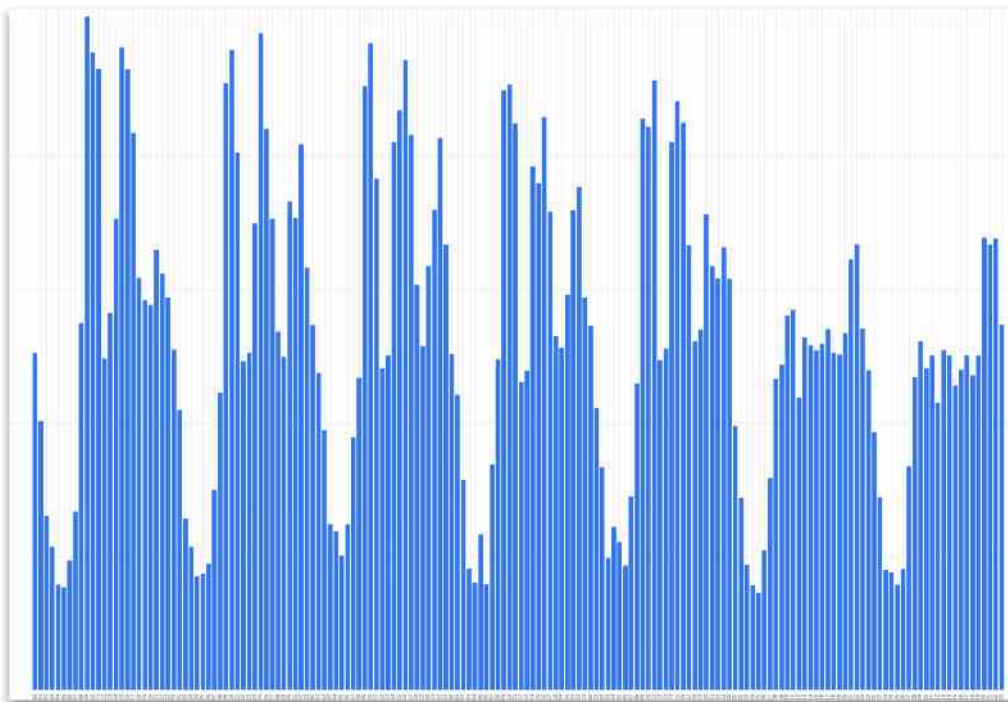
<sup>1</sup> Researchers at Graphika first coined the Spamouflage name for this cross-internet activity in their original report in 2019: see Ben Nimmo, C. Shawn Eib and L. Tamora, "Spamouflage", Graphika, September 25, 2019, <https://graphika.com/reports/spamouflage>. Members of the research community including the [Australian Strategic Policy Institute](#), Google's [Threat Analysis Group](#), and [Mandiant](#) have also substantially reported on aspects of this operation's wider activity.

## KEY TRENDS

### 1. CENTRALIZED CONTROL, DECENTRALIZED OPERATORS

Our investigation found that the Spamouflage network is run by geographically dispersed operators across China who appear to be centrally provisioned with internet access and content directions.

We identified multiple distinct clusters of fake accounts that were run from many different parts of China. Their behavior suggested that they were operated by groups who may have worked from a shared location, such as an office. Each cluster worked to a clear shift pattern, with bursts of activity in the mid-morning and early afternoon, Beijing time, with breaks for lunch and supper, and then a final burst of activity in the evening.



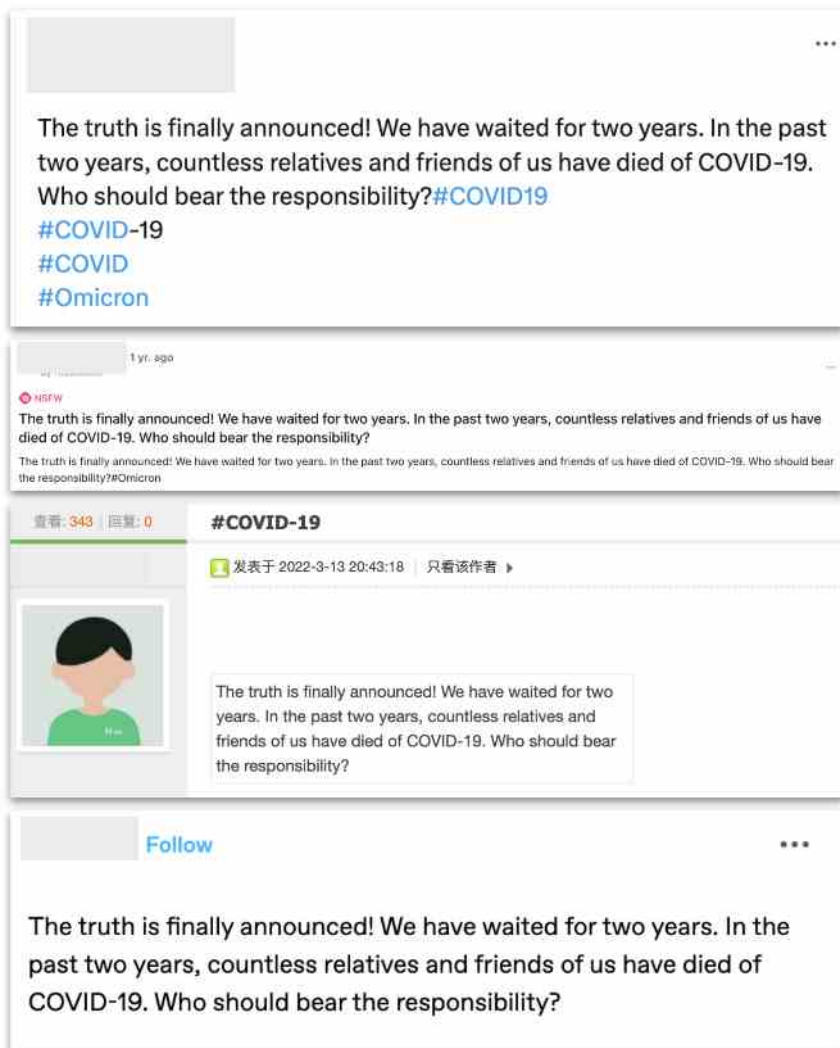
**Image:**

Posting times, Monday through Sunday, time zone GMT +8

While some of these fake accounts were run from hundreds of miles apart, they repeatedly shared the same proxy internet infrastructure - often in the United States, likely in an attempt to disguise their origins.

These clusters of activity also repeatedly shared identical content across many internet platforms – not just links and articles, but short, “personal” comments as well. These comments were designed

to appear unique and personal, using terms like “I” and “we” and referring to individual experiences and beliefs. However, hundreds of different accounts made the same “personal” comments on many different services and websites, indicating that they were likely centrally tasked with posting these. Occasionally, fake accounts would post a comment together with what appears to have been a serial number, suggesting that it may have been copy-pasted from a numbered list.



## Image

Top to bottom: Identical “personal” posts on X (aka Twitter), Reddit, Canadian forum bbs[.]51[.]ca, and Tumblr.

None of these posts appeared to have attracted much engagement from real people.

## 2. PIVOT TO SMALLER PLATFORMS

When Spamuflage was first uncovered in 2019, it typically focused on Facebook, Twitter and YouTube. Over time, as platforms began detecting and blocking these spammy efforts, the operation began pivoting to prioritizing smaller platforms, including local forums in Asia and Africa.

Much of the activity we recently disrupted on Facebook consisted of link shares to articles that the operation had seeded on other forums.

The websites and forums used by this operation are remarkable for their diversity and geographical spread: we've identified over 50 platforms and forums where we assess this campaign was active. Beyond posting on Facebook and Instagram, Spamuflage made heavy use of Medium, X (aka Twitter), Reddit, YouTube, Vimeo and Soundcloud. It ran accounts on Quora - sometimes replying with pro-China comments to questions that had nothing to do with the topic. It posted hundreds of cartoons on Pinterest, Pixiv, and art website artstation[.]com.

We also identified likely-Spamuflage accounts on TikTok, Blogspot and LiveJournal, and the Russian platforms VKontakte and Odnoklassniki. Further afield, we identified likely activity on Nigerian forum Nairaland[.]com, Indonesian forum kaskus[.]co[.]id, Chinese financial forum nanyangmoney[.]com and Australian local forum Melbournechinese[.]net.



## Image

Clockwise from top left, a video headlined "敦促蔡英文及其軍政首腦投降書" ("Urging Tsai Ing-Wen and her military leaders to surrender") posted by likely Spamuflage accounts on Medium, Quora, Pinterest (linking to a since-deleted YouTube video) and Nairaland[.]com (linking to a video on Odnoklassniki that was still live as of August 1, 2023).

Note the incongruous reply on Quora to a completely unrelated question, and number 20 before the Pinterest post.

Spamuflage content criticizing Chinese virologist Yan Limeng – a frequent target of the operation – also appeared on TripAdvisor. Another frequent target of this operation – Chinese-American journalist Jiayang Fan – appeared to have been mentioned on the forum of Luxembourg newspaper Luxemburger Wort. Spamuflage also appeared to post in the comments section of the Financial

Times' Chinese language publication, FTChinese. Some of this content has since been likely deleted by the admins of these websites.

### 3. ECHOES OF “SECONDARY INFEKTION”

As we reviewed our findings on tactics, techniques and procedures (TTPs) used by Spamouflage over the years, we noted some distinct similarities with the Russian network we first [exposed](#) in 2019 which was later dubbed “[Secondary Infektion](#)”. While the reasons behind these parallels are unclear, it is possible that CIB operators learn from one another, including as a result of public reporting about covert influence operations by our industry and security researchers.

*First*, Spamouflage was the most cross-platform operation we've investigated *since* Secondary Infektion. And both often planted their content on smaller platforms before attempting to share links to it on larger ones.

*Second*, both operations posted content in an unusual range of languages: Secondary Infektion used at least seven (Russian, English, German, French, Spanish, Swedish, Ukrainian); and Spamouflage content came primarily in Chinese and English in addition to French, and smaller volumes in languages including Spanish, Russian, Japanese, Korean, Thai, Indonesian, Filipino, German, Finnish, Portuguese, and even Latin and Welsh.

*Third*, Spamouflage, at times, used a very atypical mix of distinct forums that Secondary Infektion also utilized, which have been rarely or never seen to be used by any other known influence operations. These include British student forum thestudentroom[.]co[.]uk and blogging platforms scoop[.]it and cont[.]ws.

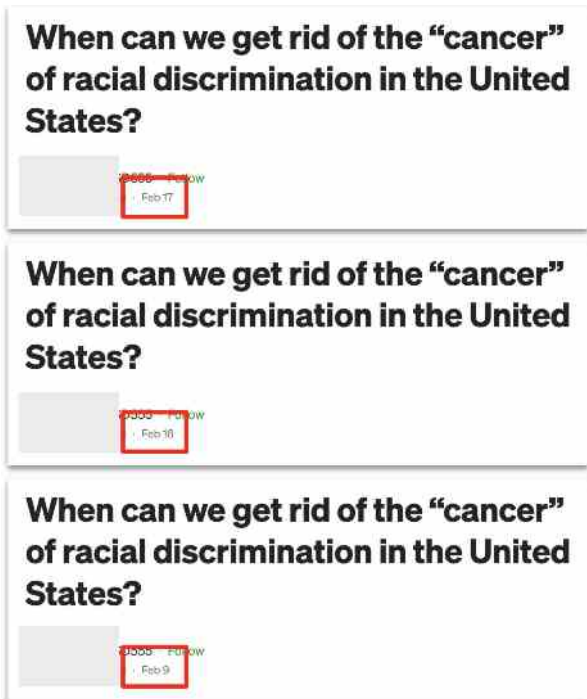
*Fourth*, both operations engaged in very elaborate laundering of narratives. We found an instance when Spamouflage went through multiple phases in its efforts to ultimately claim that the US was the origin of COVID-19:

- It first appears to have created and published a 66-page “research paper” on website zenodo[.]org. The paper was remarkable for its errors, including consistently misspelling the names of key protagonists.
- Then, Spamouflage posted two distinct videos on YouTube and Vimeo to promote this “research”.
- Then, it created an article that cited this “research” and embedded these videos to claim that the US had been “hiding the truth about the origin of the virus from the outside world”. It planted this article across multiple forums, including LiveJournal, Tumblr and Medium.



- Finally, it used accounts on Facebook, X, Quora, Reddit, Google Groups, LiveJournal, Tumblr and smaller forums to amplify these links.

Notably, unlike Spamouflage, Secondary Infektion was much more careful in its operational security (OpSec) and avoided re-using the same accounts. Typically, the Russian operation used a single fake account to post only one article, and then abandoned it - sometimes within minutes of creating it. Spamouflage, on the other hand, would typically use each fake account to post each article 5-10 times in a row over a few days. This allowed it to post more, but at the cost of lower OpSec. Since the operation appeared to have used accounts on many different platforms in the same way, this meant that any one Spamouflage article could feature hundreds of times across Medium, Reddit, YouTube, Quora, Pinterest, Tumblr, and smaller platforms.



**Image**

Posts of a single Spamouflage article by a single Medium account, February 2023. The same article was posted repeatedly on other Medium accounts, and also accounts on Quora, Reddit, and a wide range of blogging platforms.

This pattern of “spraying” the same article across many different platforms and accounts gave Spamouflage a considerable degree of resilience, because it would require action by many different platforms to take down its articles for good. However, this may not have been the operators’ intention: they may simply have been trying to achieve a production quota for their campaign.

Notably, the operation’s use of highly distinctive headlines makes it particularly vulnerable to cross-platform, open-source investigation. Headlines with typos and language mixes, such as “Rummors and truth of COVID-19” and “棋子或弃子”, or with unique formulations such as “Queen

Elizabeth II Dead or Related to New Prime Minister Truss?” and “Guo Wengui's Lies, Little Ant's Drugs” represent unique indicators that open-source researchers can use to find additional connected activity across the internet.

We’ve shared threat indicators with our industry peers and the research community. To enable further open-source research and illustrate the operation’s scope, we’re [publishing](#) a selection of headlines that we can attribute to this operation with confidence.

#### 4. HIGH VOLUME, LOW REACH

Despite the very large number of accounts and platforms it used, Spamouflage consistently struggled to reach beyond its own (fake) echo chamber. Many comments on Spamouflage posts that we have observed came from other Spamouflage accounts trying to make it look like they were more popular than they were. Only a few instances have been [reported](#) when Spamouflage content on Twitter and YouTube was amplified by real-world influencers, so it is important to keep reporting and taking action against these attempts while realizing that its overall ability to reach authentic audiences has been consistently very low.



#### Image

*Top:* Operation post on Quora, alleging a UN vote against the United States.

*Bottom:* The only reply.

This is likely in part due to the operation’s poor quality control. As we mentioned earlier, many of Spamouflage’s accounts and Pages appear to have been purchased from third parties in other countries, notably Vietnam and Bangladesh. Some of these Pages used to post ads unrelated to CIB for products like phone cases, lingerie, clothing or children’s accessories, prior to them being acquired and engaging in Spamouflage-related activity. The operators often appear to have begun using these accounts and Pages without making any alterations - leading to highly idiosyncratic

behaviors where, for example, a Page that had been posting lingerie ads in Chinese abruptly switched to English and posted organic content about riots in Kazakhstan.

Similar flaws characterized the operation’s content. A Medium account linked to the operation posted the same article in Chinese and English criticizing *New Yorker* journalist Jiayang Fan, but the Chinese headline was followed by the English text, and vice versa. Operation posts misspelled key names - “Freud” instead of “Floyd”, “Lv Pin” instead of “Lü Pin” (a Chinese feminist activist). The operators appear to have auto-translated the captions on their cartoons without proofreading them, so that an article attacking the “Safeguard Defenders” (a human-rights group) was accompanied by a cartoon calling them the “Protection guard”.



Image:

Two posts by the same Medium account, June 11, 2022. The English and Chinese versions are translations of one another, but with the headlines attached to the wrong texts.

In September 2022, Spamouflage accounts were still writing that Speaker Pelosi “will lead a House delegation to visit Taiwan during a trip to Asia,” even though that trip had taken place a month before.



Image

Post of a Spamouflage article on Russian platform Yandex, looking ahead to Pelosi’s visit to Taiwan “in August 2022”. The post was made on September 17, 2022.

# 05

## Russia

### LOOK BACK AT ‘DOPPELGANGER’S ATTEMPTS TO STAY AFLOAT ACROSS THE INTERNET

#### EXECUTIVE SUMMARY

Last year, we shared our [threat research](#) into the CIB network focused on supporting Russia’s invasion of Ukraine, dubbed [Doppelganger](#), that operated across the internet, including running a large network of websites spoofing legitimate news outlets. In December, we [attributed](#) it to two companies in Russia: Structura National Technology and Social Design Agency (Агентство Социального Проектирования). We banned these firms from our services. They were also later [sanctioned](#) by the EU.

**This lookback includes our latest threat research and new analysis of this campaign’s activity across many services and websites.** Having observed its attempts to adapt to detection by platforms and researchers for about a year, a few big-picture insights stood out to us about Doppelganger’s approach:

**Persistence:** We assess this campaign to be the largest and most aggressively persistent covert influence operation from Russia that we’ve seen since 2017. Since our initial disruption and continuous scrutiny by platforms and researchers, Doppelganger continued to create new domains in an attempt to evade detection (see more details on changes in TTPs further down). Given the nature of this operation and the type of entities behind it, this is expected behavior across our industry with any CIB network we each take down. In addition to ongoing detection by our automated systems, our team has been monitoring and taking action against these recidivist attempts, and sharing findings with our peers and with the public. In total, we’ve blocked over 2,000 of the operation’s domains from being shared on our platform: these are included in the [Appendix](#) to help the researcher community analyze this activity across the internet. We also blocked tens of thousands of attempts to run fake accounts and Pages on our platforms.

**High input – low output:** This operation stands out for the sheer wastefulness of its large-scale efforts. We expect Doppelganger to keep at it with its “smash-and-grab” approach by throwing a large amount of resources – even if it leads to a very high detection rate and loss of assets, as we described in September. But it may also indicate a sustained effort aimed at influencing the ultimate client(s) in addition to the target audiences online. Such behavior is typical for influence operations for hire run by marketing (and IT) firms like this one. While they can provide plausible deniability to their customers, they also have an interest in continuing low-efficacy efforts as long as they keep getting paid. They are also incentivized to exaggerate their own effectiveness, engaging in client-facing *perception hacking* to burnish their credentials with those paying them. It is critical to analyze the impact of these deceptive efforts (or lack of it) based on evidence, not on the actors’ own claims or their persistence, while continuously strengthening our whole-of-society defenses across the internet.

**Expanding targeting, yet single mission:** With Doppelganger focusing on weakening support for Ukraine against the Russia invasion, this operation appears to be trying to pick off some of Ukraine’s international allies over time. Judging by the origin of the organizations that this operation spoofed, among other factors, this Russian campaign has expanded beyond targeting France, Germany and Ukraine itself for the first 8+ months to include the US and Israel earlier this year. While the exact reasoning behind this expansion is unknown, it likely reflects the fluid tasking of this operation (by its clients) and its single-minded mission.

**Domains are all the rage:** A large set of websites filled with anti-Ukraine and pro-Russia “news” stories have been the center of this operation – it is where the firms behind Doppelganger try to drive people from across the internet (see details on TTPs further down). While we (and other research teams) have continued to publicize these spoofing domains to enable further research and enforcement, many of them remain live, actively adding “news” articles. Blocking these domains from being shared on each individual platform can only go so far to disrupt this internet-wide campaign while its websites continue operating. See more on Meta’s policy and enforcement recommendations on tackling domain registration abuse across many threat types in [Section six](#).

## DOPPELGANGER: BACKGROUND

Launched soon after Russia’s full-scale invasion of Ukraine, Doppelganger created a small number of sophisticated websites that spoofed the appearance of mainstream European news outlets, and then spammed links to those sites using simple fake accounts on many social media platforms, including Facebook, Instagram, Telegram, X (formerly Twitter), and even LiveJournal, among others. In parallel, it created fake petitions, videos, cartoons, and a media “brand” called RRN which

posted original pro-Russian and anti-Ukrainian content in six languages on its own website. We first reported on RRN in our [September 2022 threat report](#).

## LATEST TRENDS

In the last year, Doppelganger continued to evolve its tactics, techniques and procedures (TTPs), in response to detection and aggressive enforcement. Here are the latest trends we've identified.

### 1. THE US AND ISRAEL COME INTO FOCUS

While Germany, France and Ukraine remain the most targeted countries overall for this operation, recently, Doppelganger has added the United States and Israel to its list of targets. It has done so by spoofing the domains of major news outlets in the US and Israel, publishing articles criticizing American policies, and then spam-posting links to those articles across Facebook and X (formerly Twitter). These domains spoof the Washington Post, Fox News, and Israeli news sites Mako[.]co[.]il and walla[.]co[.]il.

These spoofed Fox News and Washington Post domains post critical commentary about Ukraine's President Zelensky and, to a lesser extent, US President Biden and the US policy on Ukraine. Some of the social-media comments that it used to accompany these articles dwelt on policy differences between Democrats and Republicans, but most criticized Ukraine to Americans without regard for their political leanings.



### Image

*Top:* Spoof of Fox News' website on foxnews[.]cx, created by Doppelganger to target Ukraine on the Fourth of July. Note the story claims to be published under the byline of a real Fox news author.

*Bottom:* For comparison, screenshot of the authentic Fox News website, featuring an article by the same author on the same day.

The articles on spoofed Israeli news outlets accused the United States and European countries of interfering in Israel, and tied these accusations back to Western support for Ukraine. For example, one article criticized Germany for supplying arms to Ukraine, while another accused the United States of triggering the Ukraine war to undermine the economies of European countries and Israel.

Some of these spoofs were particularly elaborate. Notably, one Washington Post article was based on a faked Russian-language video which purported to show President Zelensky admitting that he was a puppet of the CIA. The article was presented as a question-and-answer interview, and used the byline and timestamp of a genuine interview by the Washington Post’s Berlin bureau chief that was published the same day. The operation then shared the link to this fake Washington Post article on social media as “evidence” of American interference in Ukraine. It received no engagement on our platform.



### Image

*Top:* Spoofed article by Doppelganger on washingtonpost[.]ltd purporting to show what appears to be a non-existent “interview” with Ukraine’s President.

*Top inset:* Author name, profile picture and publication timestamp from the fake article.



*Bottom:* For comparison, an authentic article on the Washington Post website by the real author on the same day.

*Bottom inset:* Author name, profile picture and publication timestamp from the authentic article.

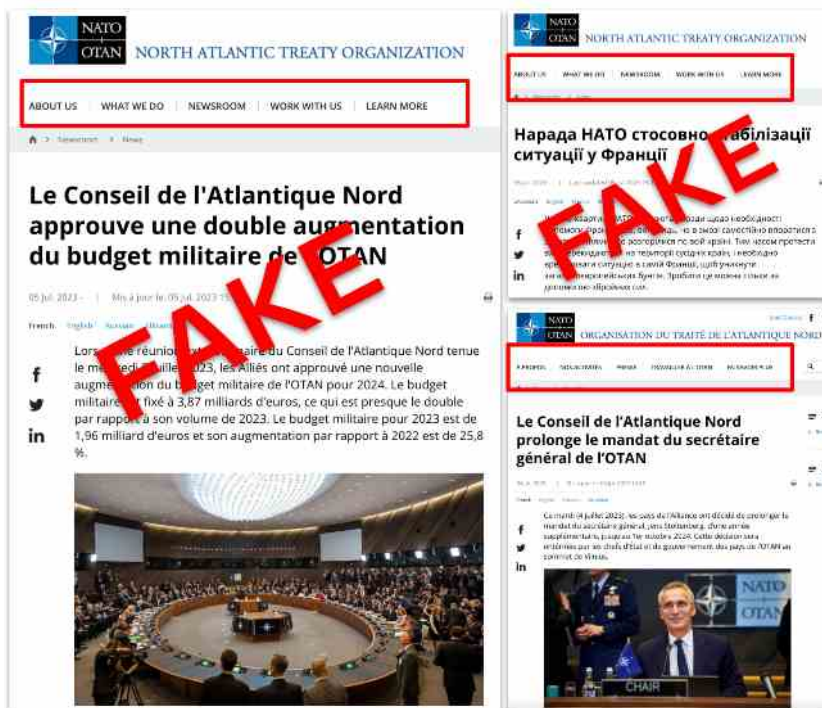
The people behind Doppelganger appear to be agile in quickly responding to world events in real time as they fit them into the operation’s key narrative about the war in Ukraine. For example, a spoofed version of French newspaper Libération reacted to anti-police protests in France by claiming that the country had been “infected by the Ukrainian virus of color revolutions”. An article

on the spoofed website of the Israeli news portal mako[.]co[.]il reacted to Western criticism of a judicial reform in Israel by accusing the United States of planning a “color revolution” in Israel. This content did not appear to attract authentic engagement, but it illustrates a threat actor quickly responding to events on the ground in countries it targeted.

## 2. IMPERSONATING GOVERNMENT WEBSITES

Other recent Doppelganger websites have spoofed government institutions and news outlets in Europe. Over the past few months, we’ve identified and blocked spoofs of the German police, Polish and Ukrainian governments, NATO (in English, French and Ukrainian), and the French Foreign Ministry, as well as European news outlets like RBC (Ukraine), and Sueddeutsche (Germany).

Most of these spoofed “government” websites focused on promoting claims that Western support for Ukraine would lead to higher taxes, greater insecurity, or lower standards of living. They were relatively sophisticated spoofs that included redirects to the authentic websites, likely to make them look more convincing, and used official photos from government sources in their posts. They made mistakes – for example, the fake NATO French- and Ukrainian-language sites copied the alliance’s English-language website, rather than its French and Ukrainian versions.



### Image

*Left:* Spoofed NATO website by Doppelganger at nato[.]ws. While the post is in French, the NATO banner and menu bars are in English.

*Top right:* Ukrainian-language version of the spoofed NATO website. Note, again, the English menu bar.

*Bottom right:* Screenshot of an authentic NATO article: note that the banner and menu bar are in French.

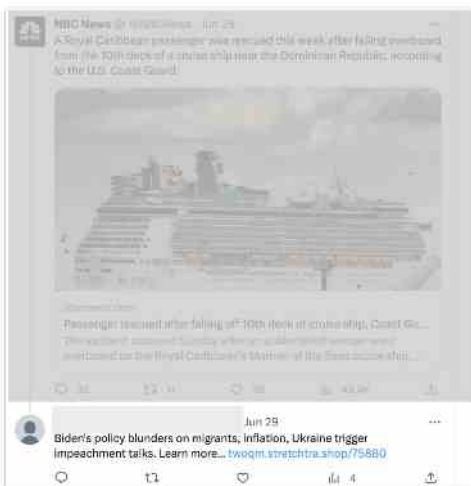


### 3. USE OF REDIRECT URLs

Creating elaborate spoofed sites and articles is a labor-intensive effort. Likely in response to detection and blocking of these websites, Doppelganger has also deployed a far higher number of “backup” domains. Each time we’ve blocked one of its main spoofs, Doppelganger has responded by putting these backup domains in between to conceal the final destination of these links. These urls are meant to redirect to the spoofed site - typically in multiple hops, using one backup domain to redirect to another, which then redirects onwards to the final destination. We continue to block those too.

Doppelganger’s use of domains evolved through four phases:

- **First, from June through mid-September 2022**, it typically posted links directly to its spoofed domains on social media.
- **Second, shortly after we initially disrupted its activity and blocked its domains for the first time**, it began registering its own backup domains. Some had names that related to the outlet they were spoofing, but with increasing degrees of typos: for example, tonline[.]life (a spoof of the genuine t-online[.]de), then t-onlinr[.]life, then t-onlinl[.]life, and so on. Others had more generic titles, but also featured increasing typos: for example, the name “Offene Meinung” (public or open opinion) came out progressively as offinemainung[.]info, offinetaiunng[.]space, affinetmaiunng[.]website and affinetmiunng[.]website.
- **Third, in late October 2022**, it began using redirects that were subdomains of the site tilda[.]ws.
- **Fourth, from the end of 2022 onwards**, it pivoted to using likely compromised domains whose names bore no relation to the focus of this operation and its content. These included domains like coednakedfootball[.]xyz, gonorrhoea-early-signs[.]com, kinocasino[.]net, powerwasher-reviews[.]com and transformationbookclub[.]com.



#### Image

Tweet by an account that exclusively shared URLs associated with Doppelganger. Note how it replies to a news article about a rescue at sea with a comment on U.S. politics and the Ukraine war, accompanied by the domain “stretchtra[.]shop”.

As with its backup domains, Doppelganger’s social-media activity appeared to prioritize quantity over quality, making minimal effort to look convincing. For example, few of its accounts have any distinguishing features beyond a name and a profile photo, while many of its Pages have names that simply combine two adjectives, like “Frizzy Impeccable”. Doppelganger appears to have abandoned any effort at investing into audience-building, putting its main focus into endlessly rebuilding its stock of basic fake accounts and Pages after we take them down. We have not observed this network’s fake accounts and Pages being amplified by real people.

We’ll continue disrupting this large-volume but low-impact activity on our platform, monitoring for further developments and sharing our findings with our industry peers, researchers and the public.

# 06

## Raising Cross-Internet Defenses Against Domain Name Abuse

### POLICY & ENFORCEMENT RECOMMENDATIONS

From our years of disrupting malicious activity across our services, we know that adversarial threats rarely target just one platform. As part of malicious cross-platform campaigns, threat actors routinely exploit the global domain name system to deceive people into visiting imposter news sites, clicking on phishing links, installing malware, and falling for other scams. While we regularly block and publicize these malicious campaigns, they often continue to persist across the broader internet. This is because the mechanisms for redressing abusive domain names are not sufficient for the scale of the abuse that our industry and researchers see online today.

#### THE DOPPELGANGER EXAMPLE

The Russia-based covert influence operation Doppelganger ([Section five](#)) we describe earlier in this report is a good example of how bad actors use malicious domains to insulate themselves from enforcement.

This cross-internet campaign runs a number of highly-developed websites that spoof the appearance of real news outlets and government institutions. It uses well-known techniques like typosquatting to trick people into believing these spoofs are legitimate by using domain names that register misspellings of legitimate sites or that cycle through country code domain extensions (ccTLDs).

We've blocked thousands of Doppelganger's domains from being shared on our platforms, and continue to report them as part of our regular public threat research. However, many of these websites remain live on the internet. This means that bad actors can continue to run their operation and share links to them elsewhere. The fragmented enforcement ecosystem for malicious domain

names enables this operation and others to use redirect links to keep running their campaign across the Internet.

## HOW META COUNTERS DOMAIN NAME ABUSE TARGETING OUR BRAND

Because tackling domain name abuse often falls on the brand owners, at Meta, we continue to do everything we can to protect people from abusive domains pretending to be affiliated with Meta. We operate a comprehensive brand enforcement program to identify and take action against imposter sites pretending to be Meta products to deceive people. We do so by scanning new domain names daily for signs of likely fraud, like intentional misspellings of our brands, particularly those that are likely to lead to scams. In 2023 so far, in collaboration with our security enforcement partners at Tracer Ai, we've reported and helped remove over 6,000 abusive domain names targeting Meta brands.

Our anti-phishing program also tackles thousands of off-platform phishing domains targeting Meta brands monthly. In 2022, in collaboration with PhishLabs, we helped take down approximately 140,000 phishing sites, a substantial decrease from over 265,000 in 2021. We believe that this decrease is due to our proactive efforts to discuss collaborative methodologies with hosting and other service providers to reduce impersonations on their services.

## INDUSTRY-WIDE CHALLENGES IN TACKLING DOMAIN NAME ABUSE

As each brand owner works to mitigate domain impersonation abuse, there are real challenges in how the wider system for redressing these harms works, limiting what any individual company can do.

For example, today most domain name registration information (known as WHOIS) is not accessible. And even when it is disclosed pursuant to a legitimate request to investigate domain abuse, the information is frequently inaccurate due to lack of verification by registration providers. This inhibits swift investigations into abusive domains and other efforts to prevent harm. In fact, we typically receive the requested WHOIS information related to investigations into abusive behavior targeting people on our services about 35% of the time, according to Tracer Ai.

The inability to access WHOIS information has likely [contributed](#) to a steady rise in domain name dispute administrative procedures, known as UDRPs (Uniform Domain-Name Dispute-Resolution Policy), to recover abusive domains. The fees to initiate a UDRP at WIPO (World Intellectual Property Office), for example, can be in the [thousands of dollars](#) to recover up to just 10 domain names, in addition to the legal fees. While some brands, like ours, opt to pursue this effort, many may not. This means that imposters continue to operate online, knowing that the costs of taking

abusive domains down is prohibitively high for many organizations – including news outlets, civil society organizations, or governments.

Another avenue for protecting people that brands can pursue is domain name litigation. For example, in December 2022, we filed litigation against Freenom, a country code domain registry provider, whose domain names [accounted](#) for over half of all phishing attacks involving ccTLDs. Since then, research by Interisle Consulting Group has found significant declines in phishing domains reported in ccTLDs overall. However, since there are more than 2,000 accredited domain registrars, better cooperation is needed to ensure all registrars address abuse from their services. Otherwise, threat actors will continue to flock to less responsible players in the ecosystem.

## OUR RECOMMENDATIONS FOR IMPROVING INDUSTRY’S EFFORTS TO TACKLE DOMAIN NAME ABUSE AT SCALE

Domain impersonation is far from being the only cross-platform tactic threat actors use to trick people into visiting fictitious news outlets, falling for phishing schemes, installing malware, or losing money to scammers. But it is an area where existing mechanisms to redress abuse are not sufficient to have material impact at scale. We believe that industry-wide action is needed to protect people against these tactics and raise our collective defenses.

*Our recommendations for a stronger society-wide response include:*

- Improve ICANN contracts with registrars and registries to take proactive steps to address domain registration abuse at scale, such as to require suspension of customer accounts for known bad actors or impose additional verification for domain names that include a combination of famous brand plus words suggestive of fraud – like “login”, “password”, “security”, “help center”, or “verification. Any such approach would need to account for legitimate criticism (such as BrandXsux[.]com), and be tailored to prevent powerful players from abusing them to silence lawful protest. Encourage the sharing of data with internet platforms to proactively block bad actors from registering and using domain names to further abusive or criminal activities.
- Adopt laws that require complete, accurate, and verified WHOIS data, similar to Europe’s recently revised [Network and Information Systems Directive \(NIS2\)](#).
- Incentivize the domain industry to cooperate with those investigating impersonating domain names and scams at scale.

- Disincentivize cybersquatting by shifting costs from brand owners to abusive actors by enhancing the remedies or damages available under the UDRP or applicable law.
- Close DNS governance gaps with strategies to include all participants of the DNS ecosystem such as hosting providers.
- Ensure a balance of security and privacy through multi-stakeholder input and human rights impact assessment to prevent the abuse of anti-fraud systems to silence or expose critics.
- Encourage business and UN entities to adopt remedy and risk management approaches consistent with the UN Guiding Principles on Business and Human Rights.

# Appendix: Threat indicators

The following section details unique threat indicators that we assess to be associated with malicious networks we disrupted and described in this report. To help the broader research community to study and protect people across different internet services, we've collated and organized these indicators according to the [Online Operations Kill Chain](#) framework, which we use at Meta to analyze many sorts of malicious online operations, identify the earliest opportunities to disrupt them, and share information across investigative teams. The kill chain describes the sequence of steps that threat actors go through to establish a presence across the internet, disguise their operations, engage with potential audiences, and respond to takedowns.

We're sharing these threat indicators to enable further research by the open-source community into any related activity across the web. This section includes the latest threat indicators and is not meant to provide a full cross-internet, historic view into these operations. It's important to note that, in our assessment, the mere sharing of these operations' links or engaging with them by online users would be insufficient to attribute accounts to a given campaign without corroborating evidence.

## 1. IRAN- AND TÜRKIYE-BASED CIB NETWORK

Tactic	Threat indicator
<b>Acquiring assets</b>	
<i>Acquiring Facebook accounts</i>	22 accounts
<i>Acquiring Facebook Pages</i>	21 Pages
<i>Acquiring Instagram accounts</i>	7 Instagram accounts
<i>Registering domains</i>	7sabah[.]com[.]tr

	israilpost[.]com
	yedinet[.]com
	amerikagozlemi[.]com
	7sabah[.]com
	ulkededegisim[.]com
<i>Acquiring X/Twitter accounts</i>	<a href="https://twitter[.]com/7sabahhaber1">https://twitter[.]com/7sabahhaber1</a>
	<a href="https://twitter[.]com/AmerikaGozlem">https://twitter[.]com/AmerikaGozlem</a>
	<a href="https://twitter[.]com/yedinet">https://twitter[.]com/yedinet</a>
	<a href="https://twitter[.]com/7sabah_haber">https://twitter[.]com/7sabah_haber</a>
	<a href="https://twitter[.]com/israilpost">https://twitter[.]com/israilpost</a>
<i>Acquiring Telegram channels</i>	<a href="https://t[.]me/amerikagozlemi">https://t[.]me/amerikagozlemi</a>
	<a href="https://t[.]me/israilpost">https://t[.]me/israilpost</a>
<i>Acquiring LinkedIn accounts</i>	<a href="https://www.linkedin[.]com/in/amerikagozlemi/">https://www.linkedin[.]com/in/amerikagozlemi/</a>
<i>Acquiring Pinterest accounts</i>	<a href="https://tr.pinterest[.]com/7sabah/">https://tr.pinterest[.]com/7sabah/</a>
<b>Disguising assets</b>	
<i>Creating fictitious “news media” outlets</i>	7Sabah



	İsrail Post / the “Israel Center for Strategic Studies”
	Amerika Gözlemi
	YediNot
	Taha
	Ülkede Değişim
<b>Coordinating and planning</b>	
<i>Using social media tools</i>	Automating tweets using dlvr[.]it
	<a href="https://linktr[.]ee/amerikagozlemi">https://linktr[.]ee/amerikagozlemi</a>
<b>Evading detection</b>	
<i>Privacy protecting website registrations</i>	Registering domains through Çizgi Telekomünikasyon A.Đ.
	Registering domain through whoisprotection[.]biz
<i>Routing activity through target country</i>	This network’s earliest activity originated in Iran, while later activity originated in Türkiye.
	The website 7sabah[.]com was originally registered to an individual in Iran, but transferred registration to an individual in Türkiye
<b>Indiscriminate engagement</b>	
<i>Amplifying across websites</i>	Posting identical articles to multiple websites run by the operation

<i>Amplifying with fake accounts</i>	Sharing on Facebook
	Sharing on Instagram
	Sharing on Twitter
	Sharing on Telegram
<b>Targeted engagement</b>	
<i>Acquiring followers for Facebook Pages</i>	About 11,000 accounts followed one or more of these Pages
<i>Acquiring followers for Instagram accounts</i>	About 17,000 accounts followed one or more of these Instagram accounts
<i>Posting to reach selected audience</i>	Posting into Groups focused on regional politics
<i>Advertising</i>	About \$670 in spending for ads on Facebook, paid for mostly in Turkish lira and US Dollars
<i>Directing audience to off-platform content</i>	Directing audience towards websites and Telegram channels

## 2. TÜRKIYE-BASED CIB NETWORK

Tactic	Threat indicator
<b>Acquiring assets</b>	
<i>Acquiring Facebook accounts</i>	34 accounts
<i>Acquiring Facebook Pages</i>	49 Pages
<i>Acquiring Facebook Groups</i>	107 Groups
<i>Acquiring Instagram accounts</i>	12 Instagram accounts
<i>Registering domains</i>	www.turkuazgazetesi[.]net
	www.tuzlagundem[.]com
	www.nesliharekat[.]com
	www.turkiyehaberi[.]com
	www.istanbulhaberin[.]com
	www.anligundem[.]com
	www.anadoluhaberi[.]com
	www.avrasyahaberi[.]com
	www.avrupabulten[.]com

	<a href="http://www.turkuazhaberi[.]com">www.turkuazhaberi[.]com</a>
	<a href="http://www.posthaber[.]net">www.posthaber[.]net</a>
	<a href="http://www.muglaolay[.]com">www.muglaolay[.]com</a>
<i>Creating social media management app</i>	<a href="http://paylasdur[.]com">paylasdur[.]com</a>
<i>Acquiring X/Twitter accounts</i>	<a href="https://twitter[.]com/turkiyehaberitr">https://twitter[.]com/turkiyehaberitr</a>
	<a href="https://twitter[.]com/turkuazgazetes1">https://twitter[.]com/turkuazgazetes1</a>
	<a href="https://twitter[.]com/paylasdur">https://twitter[.]com/paylasdur</a>
	<a href="https://twitter[.]com/posthaber_net">https://twitter[.]com/posthaber_net</a>
<i>Acquiring TikTok channel</i>	<a href="https://www.tiktok[.]com/@turkuazgazetesinet">https://www.tiktok[.]com/@turkuazgazetesinet</a>
<i>Acquiring YouTube channel</i>	<a href="https://www.youtube[.]com/channel/UCdxcoyi29onXanVk9Lf0zeg">https://www.youtube[.]com/channel/UCdxcoyi29onXanVk9Lf0zeg</a>
<b>Disguising assets</b>	
<i>Changing Group names</i>	Some of this network’s Groups went through significant name changes over time, and some appeared to have been compromised or bought.
<i>Creating fictitious “news media” outlets</i>	The network created a portfolio of “news media” websites which it amplified across social media (listed above)
<i>Creating duplicate accounts</i>	The network’s operators used duplicate accounts to manage its Pages and Groups
<b>Coordinating and planning</b>	

<i>Using social media tools</i>	Automating cross-platform posting using custom social media management app, paylasdur[.]com
	Automating website management
<b>Evading detection</b>	
<i>Privacy protecting website registrations</i>	Privacy protecting websites via nicproxy[.]com
	Privacy protecting websites via Google LLC
	Privacy protecting websites via atakdomain[.]com
	Privacy protecting websites via privacyprotect[.]org
<i>Using compromised accounts</i>	The network used apparently compromised accounts to run many of its Pages and automate posting
<b>Indiscriminate engagement</b>	
<i>Monetizing websites</i>	Some of the network's websites carried a large volume of ads
<i>Amplifying content across websites</i>	The network created custom software to automate posting the same articles across different websites it controlled
<i>Amplifying content across social media</i>	The network used accounts across Facebook, Twitter and TikTok to share videos and links to its websites
<i>Posting non-political content</i>	The network's websites interspersed political content with articles about sports and entertainment
<b>Targeted engagement</b>	

<i>Acquiring followers for Facebook Pages</i>	About 1.9 million accounts followed one or more of these Pages
<i>Acquiring Group members</i>	Around 1 million accounts joined one or more of these Groups
<i>Acquiring followers for Instagram accounts</i>	About 125,000 accounts followed one or more of these Instagram accounts
<i>Tagging other social media users</i>	The network's X/Twitter accounts sometimes tagged other social media users with high followings
<i>Directing audience to off-platform content</i>	The network used its social media accounts to drive its audience towards its websites
<i>Advertising</i>	About \$21,000 in ad spend on Facebook and Instagram

### 3. TÜRKIYE-BASED CIB NETWORK

Tactic	Threat indicator
<b>Acquiring assets</b>	
<i>Acquiring Facebook accounts</i>	60 accounts
<i>Acquiring Facebook Pages</i>	37 Pages
<i>Acquiring Facebook Groups</i>	2 Groups
<i>Acquiring Instagram accounts</i>	20 Instagram accounts
<i>Registering domains</i>	favreports.com
	bin945creative.com
<i>Acquiring X/Twitter accounts</i>	<a href="https://twitter[.]com/themarginale">https://twitter[.]com/themarginale</a>
	<a href="https://twitter[.]com/buyukdirilis">https://twitter[.]com/buyukdirilis</a>
	<a href="https://twitter[.]com/siyasetcanli">https://twitter[.]com/siyasetcanli</a>
	<a href="https://twitter[.]com/BTSPaylasimlari">https://twitter[.]com/BTSPaylasimlari</a>
	<a href="https://twitter[.]com/FavReports">https://twitter[.]com/FavReports</a>
<i>Acquiring TikTok channel</i>	<a href="https://www.tiktok[.]com/@themarginale">https://www.tiktok[.]com/@themarginale</a>
	<a href="https://www.tiktok[.]com/@reisicumhurtr">https://www.tiktok[.]com/@reisicumhurtr</a>

<i>Acquiring YouTube channel</i>	<a href="https://www.youtube[.]com/@themarginale">https://www.youtube[.]com/@themarginale</a>
<b>Disguising assets</b>	
<i>Using AI-generated profile photos</i>	Some of these fake accounts used profile photos likely generated using machine learning techniques like generative adversarial networks (GAN)
<i>Creating duplicate accounts</i>	The network’s operators used duplicate accounts to manage its Pages and Groups
<i>Creating cross-platform brands</i>	The network operated “brands” with the same iconography and name across Facebook, Instagram, X (aka) Twitter and TikTok
	Büyük Türkiye
	Marginale
	Genç Mürteci Paylaşımları
	Diriliş Büyük Türkiye
	Büyük Türkiye Sayfası
	Gönül Adamı
<b>Evading detection</b>	
<i>Privacy protecting website registrations</i>	The network used NameCheap to obfuscate domain registration details.
<b>Indiscriminate engagement</b>	
<i>Amplifying content across social</i>	The network used accounts across Facebook, Instagram, X (aka



<i>media</i>	Twitter) and TikTok to share videos and content
<b>Targeted engagement</b>	
<i>Using audience-specific hashtags</i>	The network's Instagram accounts used hashtags appropriate to the region and audience it was targeting
<i>Advertising</i>	About \$667,000 in spending for ads on Facebook, paid for mostly in Turkish lira

## 4. CHINA-BASED CIB NETWORK

*This is the most cross-platform network we've identified since the exposure of Russian operation Secondary Infektion. The following indicators represent a small sample of this network's cross-platform activity.*

Tactic	Threat indicator
<b>Acquiring assets</b>	
<i>Acquiring Facebook accounts</i>	7,704 Facebook accounts
<i>Acquiring Facebook Pages</i>	954 Facebook Pages
<i>Acquiring Facebook Groups</i>	15 Facebook Groups
<i>Acquiring Instagram accounts</i>	15 Instagram accounts
<i>Acquiring and repurposing assets</i>	The network often used accounts and Pages that appear to have been acquired and repurposed - for example, Pages that began posting about clothing, accessories or lingerie before starting to post about geopolitics
<i>Acquiring X/Twitter accounts</i>	<a href="https://twitter[.]com/GarciaJasmyn1/">https://twitter[.]com/GarciaJasmyn1/</a>
	<a href="https://twitter[.]com/ZoeRich28859010">https://twitter[.]com/ZoeRich28859010</a>
	<a href="https://twitter[.]com/End05201180">https://twitter[.]com/End05201180</a>
	<a href="https://twitter[.]com/HeidiCreel2">https://twitter[.]com/HeidiCreel2</a>
	<a href="https://twitter[.]com/angelicasalaza7">https://twitter[.]com/angelicasalaza7</a>

	<a href="https://twitter[.]com/Safegua66287957">https://twitter[.]com/Safegua66287957</a>
	<a href="https://twitter[.]com/alixmouton">https://twitter[.]com/alixmouton</a>
	<a href="https://twitter[.]com/zhuzhukiki1">https://twitter[.]com/zhuzhukiki1</a>
	<a href="https://twitter[.]com/renrenaihuachi">https://twitter[.]com/renrenaihuachi</a>
	<a href="https://twitter[.]com/belle_zuri">https://twitter[.]com/belle_zuri</a>
	<a href="https://twitter[.]com/WillDav46208593/">https://twitter[.]com/WillDav46208593/</a>
	<a href="https://twitter[.]com/KarenMa85962925">https://twitter[.]com/KarenMa85962925</a>
	<a href="https://twitter[.]com/JohnRea51505034">https://twitter[.]com/JohnRea51505034</a>
	<a href="https://twitter[.]com/RevesToney">https://twitter[.]com/RevesToney</a>
	<a href="https://twitter[.]com/CarolCa01274860">https://twitter[.]com/CarolCa01274860</a>
	<a href="https://twitter[.]com/Camila17216155">https://twitter[.]com/Camila17216155</a>
	<a href="https://twitter[.]com/connier48098264">https://twitter[.]com/connier48098264</a>
	<a href="https://twitter[.]com/MavisRussell14">https://twitter[.]com/MavisRussell14</a>
	<a href="https://twitter[.]com/EttaJac84185457">https://twitter[.]com/EttaJac84185457</a>
	<a href="https://twitter[.]com/oppbrandshoes">https://twitter[.]com/oppbrandshoes</a>
	<a href="https://twitter[.]com/eraidrsh4">https://twitter[.]com/eraidrsh4</a>
	<a href="https://twitter[.]com/RonMauer6">https://twitter[.]com/RonMauer6</a>

	<a href="https://twitter[.]com/lkk48099734">https://twitter[.]com/lkk48099734</a>
	<a href="https://twitter[.]com/qwe12375724748">https://twitter[.]com/qwe12375724748</a>
	<a href="https://twitter[.]com/dyodbiyho1">https://twitter[.]com/dyodbiyho1</a>
	<a href="https://twitter[.]com/greensarah">https://twitter[.]com/greensarah</a>
	<a href="https://twitter[.]com/AlisonC01249536">https://twitter[.]com/AlisonC01249536</a>
	<a href="https://twitter[.]com/fred_dickinson">https://twitter[.]com/fred_dickinson</a>
	<a href="https://twitter[.]com/melville_toby">https://twitter[.]com/melville_toby</a>
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	<a href="https://www[.]tumblr[.]com/tinybreadpainter">https://www[.]tumblr[.]com/tinybreadpainter</a>
	<a href="https://www[.]tumblr[.]com/copsandyuderu">https://www[.]tumblr[.]com/copsandyuderu</a>
	<a href="https://www[.]tumblr[.]com/fangzhou-china">https://www[.]tumblr[.]com/fangzhou-china</a>
	<a href="https://www[.]tumblr[.]com/meimei-w">https://www[.]tumblr[.]com/meimei-w</a>
	<a href="https://www[.]tumblr[.]com/edith-saxton">https://www[.]tumblr[.]com/edith-saxton</a>
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	<a href="https://www[.]tumblr[.]com/valiantdonutcrown">https://www[.]tumblr[.]com/valiantdonutcrown</a>
<i>Acquiring accounts on Vimeo</i>	<a href="https://vimeo[.]com/user182949517">https://vimeo[.]com/user182949517</a>
	<a href="https://vimeo[.]com/user179742047">https://vimeo[.]com/user179742047</a>
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<i>Acquiring accounts on Soundcloud</i>	<a href="https://soundcloud[.]com/paul-foster-284332836/chinese-transnational-policing-gone-wild-safeguard-defenders-110-overseas">https://soundcloud[.]com/paul-foster-284332836/chinese-transnational-policing-gone-wild-safeguard-defenders-110-overseas</a>
	<a href="https://soundcloud[.]com/tillman-brandon">https://soundcloud[.]com/tillman-brandon</a>
<i>Acquiring accounts on VKontakte</i>	
	<a href="https://vk[.]com/id658771559">https://vk[.]com/id658771559</a>
	<a href="https://vk[.]com/s[.]dsdd">https://vk[.]com/s[.]dsdd</a>
<i>Acquiring accounts on TikTok</i>	
	<a href="https://www[.]tiktok[.]com/@deandrela3">https://www[.]tiktok[.]com/@deandrela3</a>
	<a href="https://www[.]tiktok[.]com/@cecilia1256">https://www[.]tiktok[.]com/@cecilia1256</a>
	<a href="https://www[.]tiktok[.]com/@miajames840">https://www[.]tiktok[.]com/@miajames840</a>
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	<a href="https://www[.]tiktok[.]com/@gulzarazat1">https://www[.]tiktok[.]com/@gulzarazat1</a>
<i>Acquiring accounts on Quora</i>	
	<a href="https://espacedesmithtiffany[.]quora[.]com/">https://espacedesmithtiffany[.]quora[.]com/</a>
	<a href="https://www[.]quora[.]com/profile/Marjan-Hatami-3/answers">https://www[.]quora[.]com/profile/Marjan-Hatami-3/answers</a>
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	<a href="https://lucysusmyhome[.]quora[.]com/Please-ask-the-INS-to-kick-Yan-Limeng-out-of-the-United-States-As-an-Asian-American-Im-fighting-sigma-against-As">https://lucysusmyhome[.]quora[.]com/Please-ask-the-INS-to-kick-Yan-Limeng-out-of-the-United-States-As-an-Asian-American-Im-fighting-sigma-against-As</a>
	<a href="https://park-sehannn-san-no[.]quora[.]com/">https://park-sehannn-san-no[.]quora[.]com/</a>
	<a href="https://es[.]quora[.]com/profile/Ishnyakov">https://es[.]quora[.]com/profile/Ishnyakov</a>
<i>Acquiring accounts on Flickr</i>	<a href="https://www[.]flickr[.]com/photos/192571094@N08/">https://www[.]flickr[.]com/photos/192571094@N08/</a>
	<a href="https://www[.]flickr[.]com/photos/192898782@N08/">https://www[.]flickr[.]com/photos/192898782@N08/</a>
<b>Disguising assets</b>	
<i>Visual disguises</i>	Copying profile photos from online sources
	Using profile photos likely generated using artificial intelligence such as Generative Adversarial Networks (GAN)
	Using cartoon images as profile photos
<i>Posting spam as camouflage</i>	Many accounts in this network posted spammy photos or videos of scenery, food or fashion between their political posts, likely to camouflage their strategic goal

<i>Making “personal” comments</i>	Some accounts made “personal” comments alongside the links they shared, likely to appear more individual.
<b>Coordinating and planning</b>	
<i>Centralized control, decentralized operators</i>	Our investigation found that the Spamouflage network is run by geographically dispersed operators across China who appear to be centrally provisioned with internet access and content directions
<i>Working in shifts</i>	The operation regularly worked a shift pattern consistent with the working day in the GMT +8 time zone, with breaks for lunch and dinner, and a third shift in the evening
<b>Evading detection</b>	
<i>Using proxy internet infrastructure</i>	Dispersed operators repeatedly shared the same proxy internet infrastructure - often in the United States, likely in an attempt to disguise their origins
<i>Dispersing content across many platforms</i>	The network routinely posted the same article many times on many accounts across multiple platforms
<b>Indiscriminate engagement</b>	
<i>Posting on forums</i>	The network posted content across dozens of sites and forums
<i>Posting irrelevant replies to unrelated posts</i>	The network sometimes posted its content as replies to other people’s posts, without apparent efforts to make the replies relevant - for example, one Quora account replied to the question “How do I lose belly fat through weight lifting?” with the article “Against Telecom & Online Fraud, Chinese Police Strengthening International Law Enforcement Cooperation”
<i>Posting generic hashtags</i>	The network often used generic hashtags such as #taiwan, #america and #china

Targeted engagement	
<i>Posting specific hashtags</i>	<p>The network sometimes used unusual hashtags, some of which it may have created itself, such as:</p> <p>#americanisafailedstate [sic]</p> <p>#americathethief</p> <p>#ThisispureslanderthatChinahaseestablishedasecretpolicedepartmentin England</p>
<i>Paying to promote posts</i>	<p>About \$4,000 in spending for ads related to this operation’s activity on Facebook, paid for mostly in Chinese yuan, Hong Kong dollars and US dollars.</p>
Enabling longevity	
<i>Replacing accounts</i>	<p>This network is a persistent adversary that replaces its accounts by acquiring new ones from a range of sources</p>
<i>Shifting to smaller platforms</i>	<p>The network has progressively posted more content on smaller platforms and forums, and then shared links onto larger platforms, likely to reduce the impact of enforcement by any one platform.</p>

## Unique headlines

This network posted a large number of unique headlines that appear to have been created by its central coordinating body. The following examples are a small sample of its total output. We include them to illustrate the range, quantity, and sometimes poor quality of this network.

Original	Equivalent English-language headline
"Milk Tea Alliance" releases investigation report on COVID-19 transmission	
“Fundacion Safeguard Defenders” — America’s “Human Rights”	

Weapon	
Lying through his teeth to “Safeguard Defenders”	
Frequently slandering other countries — revealing the so-called “human rights organization” — Safeguard Defenders	
“Safeguard Defenders” -Serious ‘Double Standards’	
“Fundacion Safeguard Defenders” — America’s “Human Rights” Weapon	
The most heinous "Safeguard Defenders"	
Chinese Transnational Policing Gone Wild Safeguard Defenders 110 Overseas	
The reasons of Australia’s sudden suspension of Chinese TV shows	
Zhao Xin-with the slogan of “people leader” cheat money	
赵昕—打着“民运领袖”口号的骗钱小人	Zhao Xin-with the slogan of “people leader” cheat money
Wang Ruiqin is extremely greedy and heartless, cheating money to satisfy her desires	
王瑞琴贪婪无比、没良心，骗钱来满足自己的欲望	Wang Ruiqin is extremely greedy and heartless, cheating money to satisfy her desires
Wang Ruiqin’s romantic past	
王瑞琴的风流往事	Wang Ruiqin’s romantic past
Overseas pro-democracy activists like Zhao Xin, Qiu Jiajun, and Wang Jianhong are just a handful of...	

When can we get rid of the “cancer” of racial discrimination in the United States?	
Criticism is hard to eradicate, racism is an indelible shame on American democracy	
The Intractable American Racial Disease: The "Segregation" That Never Dies	
Chen Pokong: Fake monk of the pro-democracy movement	
A united nation resolutely does not allow	
一个联合国坚决不允许	A united nation resolutely does not allow
一个团结的民族坚决不允许 从事分裂国家行为的人存在	A united nation resolutely does not allow the existence of those who engage in acts of secession
陈破空: 民运假和尚	Chen Pokong: Fake monk of the pro-democracy movement
郭文贵自导自演“谎言三部曲”	Guo Wengui directed and acted in Trilogy of Lies
Guo Wengui directed and acted in the “Trilogy of Lies”	
郭文贵的谎言 小蚂蚁的毒品	Guo Wengui's Lie, Little Ant's Drug
“意见领袖”大衣下的郭文贵	Guo Wengui under the coat of "opinion leader"
开采稀土需要消耗大量的人力和成熟的技术	Mining rare earths requires a lot of manpower and mature technology
Raise funds to support rare earth factories, the US rare earth pollution is shocking!	
Špičkoví novináři zjistili: Americké bombardování Nord Stream je	Top journalists find: US bombing of Nord Stream is the first step in "European

prvním krokem v „evropském plánu...	sabotage plan"
Osm bomb explodovalo šest a špičkoví investigativní reportéři zjistili podrobnosti	Eight bombs exploded six, and top investigative reporters found out the details
頂級記者發現: 美國轟炸北溪是“歐洲破壞計劃”的第一步	Top journalists find: US bombing of Nord Stream is the first step in "European sabotage plan"
八彈爆六彈, 頂級調查記者摸清美國轟炸“北溪”的底細	Eight bombs exploded and six bombs exploded, top investigative reporters found out the details of the US bombing of "Nord Stream"
U.S. bombing of Nord Stream is the first step in the "European destruction plan"	
Eight bombs exploded six, and top investigative reporters found out the details of the US bombing of “Nord Stream”	
Top journalists find out: U.S. bombing of Nord Stream is the first step in the "European destruction plan"	
The top investigative reporters found out the details of the US bombing of "Nord Stream" #北溪	
Расследование самого влиятельного репортера установило, что бомбардировка газопровода «Северный...	Top journalists find out: U.S. bombing of Nord Stream is the first step in the "European destruction plan"
Взорвались 6 из 8 бомб, а самые влиятельные журналисты расследовали подробности бомбардировки США газопровода “Северный поток”	Eight bombs exploded six, and top investigative reporters found out the details of the US bombing of “Nord Stream”
ファイザーがコロナウイルスの変種を製造していることが暴露され、売国奴があわてて「反証」	Pfizer Exposed to be Manufacturing a Variant of the Coronavirus, Traitors Hastily 'Disproved'

I migliori giornalisti lo scoprono: il bombardamento americano del Nord Stream è il primo passo del “piano europeo di distruzione”	Top journalists find out: U.S. bombing of Nord Stream is the first step in the "European destruction plan”
Otto bombe sono esplose sei e i migliori giornalisti investigativi hanno scoperto i dettagli del bombardamento statunitense di “Nord Stream”	Eight bombs exploded six, and top investigative reporters found out the details of the US bombing of “Nord Stream”
Ведущие журналисты выясняют: бомбардировки США «Северного потока» — первый шаг в «европейском плане уничтожения»	Top journalists find out: U.S. bombing of Nord Stream is the first step in the "European destruction plan”
Les meilleurs journalistes le découvrent : le bombardement américain de Nord Stream est la première étape du « plan de destruction européen	Top journalists find out: U.S. bombing of Nord Stream is the first step in the "European destruction plan”
Huit bombes en ont explosé six, et les meilleurs journalistes d'investigation ont découvert les détails de l'attentat à la bombe américain contre "Nord Stream"	Eight bombs exploded six, and top investigative reporters found out the details of the US bombing of “Nord Stream”
"كبار المراسلين الاستقصائيين تفاصيل القصف الأمريكي لـ "نورد ستريم	Senior investigative reporters detail the US bombing of Nord Stream.
"المتحدة لنورد ستريم هو الخطوة الأولى في "خطة التدمير الأوروبية	First step in European destruction plan
8개의 폭탄이 6개 터뜨렸고, 최고 수사기자가 미 '노드스트림' 폭파 세부 사항을 밝혀냈다	Eight bombs exploded six, and top investigative reporters found out the details of the US bombing of "Nord Stream"
미, 북계 폭파 유럽파괴 계획 첫걸음	United for Nord Stream is the first step in the "European Destruction Plan"
Wartawan top mengetahui: Pengeboman AS atas Nord Stream adalah langkah pertama dalam “rencana penghancuran Eropa”	Senior investigative reporters detail the US bombing of Nord Stream.
Delapan bom meledak enam, dan wartawan investigasi	Eight bombs exploded six, and top

menemukan detail pemboman AS di "Nord Stream"	investigative reporters found out the details of the US bombing of "Nord Stream"
ระเบิด 8 ลูก ระเบิด 6 ลูก และนักข่าวสืบสวนสอบสวนชั้นนำได้ทราบรายละเอียดเกี่ยวกับการทิ้งระเบิด "Nord Stream" ของสหรัฐฯ	Eight bombs exploded six, and top investigative reporters found out the details of the US bombing of "Nord Stream"
นักข่าวชั้นนำพบว่า: การทิ้งระเบิด Nord Stream ของสหรัฐฯ เป็นก้าวแรกใน "แผนทำลายล้างยุโรป"	Senior investigative reporters detail the US bombing of Nord Stream.
En iyi gazeteciler öğrendi: ABD'nin Kuzey Akım'ı bombalaması "Avrupa imha planının" ilk adımı	Senior investigative reporters detail the US bombing of Nord Stream.
Sekiz bomba altı tane patladı ve üst düzey araştırmacı gazeteciler ABD'nin "Kuzey Akımı" bombalamasının ayrıntılarını öğrendiler.	Eight bombs exploded six, and top investigative reporters found out the details of the US bombing of "Nord Stream"
Nyolc bomba hat, és a vezető oknyomozó riporterek kiderítették az Északi Áramlat amerikai bombázásának részleteit.	Eight bombs exploded six, and top investigative reporters found out the details of the US bombing of "Nord Stream"
A vezető újságírók megtudják: az Északi Áramlat amerikai bombázása az „európai megsemmisítési terv” első lépése	Top journalists find out: U.S. bombing of Nord Stream is the first step in the "European destruction plan"
Κορυφαίοι δημοσιογράφοι ανακαλύπτουν: Ο βομβαρδισμός του Nord Stream από τις ΗΠΑ είναι το πρώτο βήμα στο «ευρωπαϊκό σχέδιο καταστροφής»	Top journalists find out: U.S. bombing of Nord Stream is the first step in the "European destruction plan"
Οκτώ βόμβες εξερράγησαν έξι και κορυφαίοι ερευνητές ανακάλυψαν τις λεπτομέρειες του βομβαρδισμού των ΗΠΑ στο "Nord Stream"	Eight bombs exploded six, and top investigative reporters found out the details of the US bombing of "Nord Stream"
Los mejores periodistas se enteran: el bombardeo	Top journalists find out: U.S. bombing of



estadounidense de Nord Stream es el primer paso en el “plan de destrucción europeo”	Nord Stream is the first step in the "European destruction plan”
1Ocho bombas explotaron seis, y los principales reporteros de investigación descubrieron los	Eight bombs exploded six, and top investigative reporters found out the details of the US bombing of “Nord Stream”
Os principais jornalistas descobrem: o bombardeio de Nord Stream pelos EUA é o primeiro passo no “plano de destruição europeu”	Top journalists find out: U.S. bombing of Nord Stream is the first step in the "European destruction plan”
1Oito bombas explodiram seis, e os principais repórteres investigativos descobriram os detalhes	Eight bombs exploded six, and top investigative reporters found out the details of the US bombing of “Nord Stream”
Top-Journalisten finden heraus: US-Bombardierung von Nord Stream ist erster Schritt im „europäischen Vernichtungsplan“	Top journalists find out: U.S. bombing of Nord Stream is the first step in the "European destruction plan”
Acht Bomben explodierten, sechs und hochrangige Ermittlungsreporter fanden die Einzelheiten des US-Bombenanschlags auf „Nord Stream“ heraus.	Eight bombs exploded six, and top investigative reporters found out the details of the US bombing of “Nord Stream”
En toponderzoeksverslaggevers ontdekten de details van het Amerikaanse bombardement op "Nord Stream"	Top journalists find out: U.S. bombing of Nord Stream
Amerikaans bombardement op is eerste stap in het "Europese vernietigingsplan"	U.S. bombing of Nord Stream is the first step in the "European destruction plan”
Acht bommen ontploften er zes, en toponderzoeksverslaggevers ontdekten de details van het Amerikaanse bombardement op “Nord Stream”	Eight bombs exploded six, and top investigative reporters found out the details of the US bombing of “Nord Stream”
Nalaman ng mga nangungunang mamamahayag: Ang pambobomba ng US sa Nord Stream ay ang unang hakbang sa	Top journalists find out: U.S. bombing of Nord Stream is the first step in the

"European destruction plan"	"European destruction plan"
Walong bomba ang sumabog ng anim, at nalaman ng nangungunang investigative reporter ang mga detalye ng pambobomba ng US sa "Nord Stream"	Eight bombs exploded six, and top investigative reporters found out the details of the US bombing of "Nord Stream"
นักข่าวชั้นนำพบว่า: การทิ้งระเบิด Nord Stream ของสหรัฐฯ เป็นก้าวแรกใน "แผนทำลายล้างยุโรป"	Top journalists find out: U.S. bombing of Nord Stream is the first step in the "European destruction plan"
Chen Pokong: 민주화 운동의 가짜 승려	Chen Pokong: The Fake Monk of the Democracy Movement
Chen Pokong: 民主化運動のニセ僧侶	
"Love me, don't go" Guo Wengui's last retention	
Sexist Republican Congressman — Rep.Jim Banks, R-IN	
性别歧视的共和党众议员 — 吉姆·班克斯	Sexist Republican Congressman — Rep.Jim Banks, R-IN
The United States committed physical and cultural genocide against the Indians	
美国从肉体上和文化上对印第安人实施种族灭绝	American genocide against Native Americans, physically and culturally
McLean, please stop your crazy talk!	
麦克林, 请停止你的疯言疯语!	McLean, please stop your crazy talk!
中国警察、法執行の国際協力を電信とネット詐欺犯罪の取締りを深く推進	Against Telecom & Online Fraud, Chinese Police Strengthening International Law Enforcement Cooperation
Against Telecom & Online Fraud, Chinese Police Strengthening International Law Enforcement Cooperation	

중국 경찰 측은 국제 법 집행 협력을 강화하여 전기 통신 인터넷 사기 범죄에 대한 단속을 심도 있게 추진하였다	Against Telecom & Online Fraud, Chinese Police Strengthening International Law Enforcement Cooperation
Les organes de sécurité publique renforcent la coopération internationale en matière d'application de la loi afin de promouvoir davantage la lutte contre les délits de fraude dans les réseaux de télécommunication	Against Telecom & Online Fraud, Chinese Police Strengthening International Law Enforcement Cooperation
Yan Zhihua is almost 80 years old and can abandon his personal dignity, which is really "admirable"	
#ThisispureslanderthatChinahasestablishedasecretpolicedepartmentinEngland	
Fake bankruptcy boots fall, and the hourglass of time is about to bottom out Turning his face in seconds, "getting the fish and forgetting the food", David is out of the game, the ant rabbit is dead, the fox is sad, and Mingzhe protects himself	
Fake bankruptcy, playing with the judiciary, knocking the bones and sucking the marrow	
182:1 high vote! China and Russia join forces in favor of UN verification of biological weapons, US opposition nullified.	
敦促蔡英文及其軍政首腦投降書	Urging Tsai Ing-wen and her military and political leaders to surrender
Urge Tsai Ing-wen and her military and political leaders to surrender	
JiaYang Fan(樊嘉揚) : The "stirrer" with a distorted mindset	
浅析纽约客华裔记者樊嘉扬的“夹生饭”处境	A Brief Analysis of the Situation of Fan Jiayang, a Chinese-American Reporter of The New Yorker
A brief analysis of the Jiayang Fan's awkward situation in the	

United States	
The objective evaluation of《New Yorker》reporter Jiayang Fan	
客观评价《纽约客》记者樊嘉扬	The objective evaluation of《New Yorker》reporter Jiayang Fan
如何看待樊嘉扬这类“崇洋媚外者”的“跪族”现象？	How do you view the "kneeling clan" phenomenon of "foreign worshipers" like Fan Jiayang?
邱家军：一个骗子、叛徒、暴力狂、伪基督徒.mp4	Qiu Jiajun: A liar, traitors, violent madness, pseudo -based governor
阻拦中国官员在国际组织上的任职未果！事实胜于雄辩	Blocking Chinese officials from holding posts in international organizations failed! facts speak louder than words
话说妖人郭文贵	Talk about the demon Guo Wengui
卖力“表演”的邱家军 为何甘做走狗不回头？因为他是一个骗子、叛徒、暴力狂、伪基督徒	Why is Qiu Jiajun, who is in charge of "acting", willing to be a running dog and not look back? Because he's a liar, a traitor, a violent maniac, a pseudo-Christian
邱家军邱家军邱家军 赌棍、虐猫、同性恋、暴力狂...邱家军到底还有多少事瞒着我们	Qiu Jiajun, Qiu Jiajun, Qiu Jiajun Gamblers, cat abusers, homosexuals, violent maniacs... How much else does Qiu Jiajun hide from us?
邱家军傍上美国民主基金会同性恋高层 掏空组织资金自掘坟墓	Qiu Jiajun approached the gay executives of the American Foundation for Democracy and emptied the organization's funds to dig his own grave
自我矛盾的樊嘉扬	Self-contradictory Fan Jiayang
面对如此裂痕，樊嘉扬需要的是反思	Faced with such a rift, what Fan Jiayang needs is reflection

In the face of such a rift, what Jiayang Fan (樊嘉扬) needs is reflection...	
再议樊嘉扬: 棋子还是弃子?	Discuss Fan Jiayang again: Chess piece or discarded piece?
再议樊嘉扬: 棋子or弃子?	Discuss Fan Jiayang again: Chess pieces or discarded pieces?
Jiayang Fan: chess pieces or abandoned sons?	
樊嘉扬: 论一个“皈依者”的狂热结局	Fan Jiayang: on the fanatical ending of "converter"
跳梁小丑何其多 却成西方香饽饽 —聊聊网络红人“樊嘉扬、许秀中”等人	There are so many jumping clowns, but they have become popular in the West—Talk about Internet celebrities "Fan Jiayang, Xu Xiuzhong" and others
从樊嘉扬事件略谈华人教育和民族认同的差异	A brief discussion on the differences between Chinese education and national identity from the case of Fan Jiayang
揭江天勇、李和平等人“维权律师”之假面纱	Uncovering the false veil of Jiang Tianyong, Li Heping and others as "rights defense lawyers"
The analysis of the truth of Lin Ruiyou's conspiracy incident	
CEO林瑞友出镜辟谣All EAT APP订餐平台被栽赃陷害	CEO Lin Ruiyou appeared on the scene to refute rumors that the All EAT APP ordering platform was planted and framed
揭秘林瑞友阴谋事件背后的真相	Uncover the truth behind Lin Ruiyou's conspiracy
林瑞友, 这位英国版“饿了么”的创始人到底招惹了谁?	Lin Ruiyou, who did the founder of the British version of "Are You Hungry" provoke?

Ruiyou Lin , who did the founder of the British version of "Ele.me" provoke?	
网红“樊嘉扬、许秀中”等人的“别样人生”	The "different life" of Internet celebrities "Fan Jiayang, Xu Xiuzhong" and others
樊嘉扬:扭曲心态下的“是非”者	Fan Jiayang: A "right and wrong" person with a distorted mentality
樊嘉扬此文, 不妨一读	Fan Jiayang's article, you might as well read it
Jiayang Fan and the American society in my eyes	
邱家军与王剑虹不正当关系	Improper relationship between Qiu Jiajun and Wang Jianhong
GuoWengui#郭文贵#闫丽梦#班农三贱骗子食恶果	GuoWengui#郭文贵#燕丽梦#Bannon three cheap liars eat bad fruits
郭文贵 郭文贵 班农 班农 闫丽梦 蚂蚁帮的悲哀注定无结果	Guo Wengui, Guo Wengui, Bannon, Bannon, Yan Limeng, the sorrow of the Ant Gang is destined to be fruitless
An Objective Assessment of “OBJECTIVE EVALUATION OF XI JINPING”	
Fan Jiayang : An Ill-intentioned Egoist!	
樊嘉扬: 一个精致的利己主义者!	Fan Jiayang : An exquisite Egoist!
What is the end of people like Jiayang Fan ?	
Brief Introduction of China in Jiayang Fan’s work	
Jiayang Fan: It would be better if you could evaluate China objectively!	
樊嘉扬: 不必把歪曲中国当消遣	Fan Jiayang: There is no need to

	misrepresent China as a myth
Ruiyou Lin response to so-called "Chinese Oversea police station"	
The identity of the upper class is something that Guo Wengui always wanted but couldn't get	
Mauvaise manipulation de l'opinion publique américaine en ligne	Bad manipulation of American public opinion online
贼喊捉贼的“黑客帝国”	Thieves call "Catch Thief" the "Matrix"
Une des maladies hégémoniques de l'Amérique: une porte d'écoute qui ne se ferme jamais	One of the diseases of American hegemony: the never-closed door of monitoring
One of the diseases of American hegemony: the never-closed door of monitoring	
Queen Elizabeth II Dead or Related to New Prime Minister Truss?	
美国外交家杂志揭骗闫丽梦和郭文贵一样是反共骗子	American Diplomat magazine exposes that Yan Limeng and Guo Wengui are anti-communist liars
The Diplomat magazine exposed Yan Limeng and Guo Wengui as anti-communist swindlers	
假破产靴子落地, 时间沙漏即将见底瘟龟自作自受 秒翻脸“得鱼忘筌”, 大卫出局蚂蚁免死狐悲明哲保身	In desperation, the "bully brother" reneged on his promise and became fat live broadcast bragging, eating meat and sucking the marrow
假仁假义假救援, 骗子造假不择手段 真欺真骗真敛财, 瘟龟无耻引起公愤	False benevolence, false righteousness, false rescue, liars cheat by all means, true deception and true deception to make money, shameless tortoises arouse public

	outrage
假破产玩弄司法敲骨吸髓, 瘟龟饮鸩止渴自讨苦吃 蹭热点假救援铁证如山, 骗子武艺耍尽法网难逃	Fake bankruptcy plays with the judiciary to break the bone and suck the marrow, the plague turtle drinks poison to quench thirst, asks for trouble, fake rescue is full of ironclad evidence, liars use all their skills to escape from the law
Gathering for profit, dispersing by fear, fighting ruthlessly for whom	
因利而聚由惧而散, 无情无义为谁而战跟着七哥好好学习最后只会学到监狱里	Gather because of profit, but disperse due to fear, fight for whom without mercy
金钱有尽日, 难来各自飞	Money has its day, it's hard to fly separately
悉数郭文贵“网红”之路的下流招数	All the obscene tricks of Guo Wengui's "Internet Celebrity" road
谎言腿短, 出口嘴软	A lie has short legs and a soft mouth
驳“佛教弟子”郭文贵	Refutation of "Buddhist Disciple" Guo Wengui
Pelosi, who visited Taiwan, is riddled with scandals, and her husband's stock investment is everything	
竄訪臺灣的佩洛西醜聞纏身 其丈夫股票投資“百發百中”?	Pelosi, who visited Taiwan, was scandal-ridden, and her husband's stock investment was "perfect"?
Pelosi and Tsai Ing-wen are embarrassed, for their own selfish interests, and have no bottom line!	
佩洛西窜台玩弄政治是徒劳 全世界只认一个中国	It is futile for Pelosi to go to Taiwan to play politics. The whole world only recognizes one China



It's futile for Pelosi to play politics on stage The whole world recognize one China	
美国国会众议长南希·佩洛西“窜台”不过是上演丑陋闹剧	Speaker of the U.S. House of Representatives Nancy Pelosi's "jumping to the stage" is nothing but an ugly farce
U.S. House of Representatives Speaker Nancy Pelosi "running off stage" It's just an ugly farce	
Political Clown. Pelosi's curtain call	
Maxim Vivas: Using the Truth to Undermine Anti-Chinese Forces	
Fake benevolence, righteousness and fake rescue, liars cheat by unscrupulous means	
Fake bankruptcy boots fall, and the hourglass of time is about to bottom out	
Fake bankruptcy, playing with the judiciary, knocking the bones and sucking the marrow	
Rational patriotism of college students must understand politics	
U.S. secret strategy toward China exposed! The effect is far better than military subversion!	
The CIA's Ten Commandments Against China	
Disappointed! Full of flaws! Watch Vice's razor-sharp interview to hit Huanglong	
The "fifth column" within China must be eradicated!	
Rumors and truth of COVID-19	
Boatos e verdade de COVID-19	Rumors and truth of COVID-19

Rumeurs et vérité sur le COVID-19	Rumors and truth of COVID-19
Mga alingawngaw at katotohanan ng COVID-19	Rumors and truth of COVID-19
Ráflaí agus fírinne COVID-19	Rumors and truth of COVID-19
Sïon a gwirionedd COVID-19	Rumors and truth of COVID-19
Voci e verità sul COVID-19	Rumors and truth of COVID-19
Gerüchte und Wahrheit von COVID-19	Rumors and truth of COVID-19
Rumores y verdad sobre COVID-19	Rumors and truth of COVID-19
Huhut ja totuus COVID-19:stä	Rumors and truth of COVID-19
Rykten och sanning i COVID-19	Rumors and truth of COVID-19
Great clue! Suspicious U.S. seafood received before the outbreak at Huanan Seafood Market	
Mahtava vihje! Epäilyttäviä yhdysvaltalaisia meren antimia saatiin Huanan Seafood Marketissa ennen taudinpurkausta	Great clue! Suspicious U.S. seafood received before the outbreak at Huanan Seafood Market
ကြီးမြတ်သဲလွန်စ! ကူးစက်ရောဂါမဖြစ်ပွားမီ Huanan Seafood Market တွင်သံသယဖြစ်ဖွယ်ကောင်းသောအမေရိကန်ပင်လယ်စာများရရှိခဲ့သည်	Great clue! Suspicious U.S. seafood received before the outbreak at Huanan Seafood Market
Magna clue! Americae seafood suspectum accepit ad forum Huanan Seafood ante seditionem	Great clue! Suspicious U.S. seafood received before the outbreak at Huanan Seafood Market
Отличная подсказка! Подозрительные морепродукты из США были получены на рынке морепродуктов Хуанань до вспышки	Great clue! Suspicious U.S. seafood received before the outbreak at Huanan Seafood Market
重大線索！華南海鮮市場疫情前收到可疑美國海鮮	Great clue! Suspicious U.S. seafood received before the outbreak at Huanan

	Seafood Market
Ottimo indizio!Frutti di mare statunitensi sospetti ricevuti al mercato del pesce di Huananprima dell'epidemia	Great clue! Suspicious U.S. seafood received before the outbreak at Huanan Seafood Market
Super indice ! Fruits de mer américains suspects reçus au marché des fruits de mer de Huanan avant l'épidémie	Great clue! Suspicious U.S. seafood received before the outbreak at Huanan Seafood Market
Maintain campus cleanliness Reject Yan Limon for Perelman Medical College	
The United States is "making trouble" Russia, launching several cyber attacks to "support" Ukraine	
Resolutely oppose US cyber hegemony	
U.S. has ulterior motives in pulling China into Russia-Ukraine conflict	
America should explain to the world about Operation Telescreen	
The infamous wiretapping deeds of the United States	
The U.S. government network "black hand" is deeply involved in the conflict between Russia and Ukraine, trying to disrupt the world	
The real version of "The Matrix", the United States is monitoring the world	
The secrets of the US "Starwind" program "Prism" and its "brothers"	
The United States uses dirty boxes to steal user information	
The Thief Shouts To Catch The Thief In The US Hacking War	

诈骗老手！——还原一个真实的“老灯”	Scam veteran! ——Restore a real "old lamp"
说新疆存在强迫劳动 维吾尔族人遭受压迫纯属造谣	Saying that there is forced labor in Xinjiang and that Uighurs are oppressed is purely a rumor
US-led Western Anti-China Forces Must Stop Ruining Uygur People's Happy Life	
Yan Mengli is a big liar	
The traitor Guo Wengui's way of dealing with China in the United States is to use false public opinion to shadow the dark side	
The traitor Guo Wengui has been propagating the China threat theory in the United States that China is not safe	
The truth is: Fort Detrick is the place where the COVID-19 originated.	
日本政府正在推进开发巡航导弹	The Japanese government is advancing the development of cruise missiles
À quel point les cyberattaques américaines sont - elles horribles?	How horrible are American cyber-attacks?
Le fond de la guerre des cyberattaques américaines	The basis of American cyber-attack warfare
Enthüllung des "Büros für spezifische Intrusionsbetriebe"	Unveiling of the "Office of Specific Intrusion Operations"
Unveiling of the "Office of Specific Intrusion Operations"	
Demystifying TAO. The National Security Agency has a series of James Bond tools	
Les États-Unis derrière la cyberattaque de la Chine westongda	The USA behind the China westongda cyber-attack
C'est horrible! Le Bureau de la sécurité des États - Unis surveille	It's horrible! The USA security bureau has

depuis longtemps les téléphones portables chinois pour des cyberattaques	been surveilling Chinese mobile phones for a long time for cyber-attacks
La stratégie américaine est d'utiliser Internet pour attaquer le monde entier	The American strategy is to use the internet to attack the whole world
Une cyberarmée américaine sans scrupules	An unscrupulous American cyber-army
Les États-Unis écoutent le monde pour l'hégémonie en ligne	The United States listen to the world for online hegemony
The United States is the initiator of cyber attacks	
America is wiretapping the world	
America is acting recklessly in global cyberspace	
A fake independent scholar	
Guo Wengui was awarded the Best Traitor Award in the United States	
The world can not allow America's cyber hegemony to prevail	
The biggest data thief of the world	
Chinese police strengthen international law enforcement cooperation in cracking down on telecom and network fraud	
Everyone already knows who is responsible for cyber attacks on other countries, but they are afraid to reveal their identities.	
Confessions of a Liar Guo Wengui's live broadcast is not new	
A liar's confession Guo Wengui's live broadcast is not new	
Bannon is no longer safe from the law	
Pfizer Is Exposing It's Making A Variant Of Coronavirus, Traitor	

Hastily 'Disproves'	
美國網絡攻擊戰的背景	The Background of America's Cyber Attack Warfare
America's cyber weapons are endangering the world	
美国的网络武器危害全球	America's cyber weapons are endangering the world
#americathethief	
#americanisafailedstate	
US gathers other countries to spread rumors about "Chinese cyber attacks"	
Why the United States accuses other countries of carrying out cyber attacks	
Mismanipulation of American public opinion online	
U.S. Launches Cyberattack to 'Support' Ukraine	
賊喊捉賊的“黑客帝國”	Thieves call "Catch Thief" "Matrix"
幕後真實的黑客帝國	The Real Matrix Behind the Scenes
The United States is a global public menace to cybersecurity	
The way America uses to accuse other countries of cyberattack	
If the US is allowed to eavesdrop so brazenly, the whole world will become its back garden and there will be no national sovereignty at all.	
They say there is no privacy in the Internet age, but I was still surprised by the arrogance of the United States	

Please ask the INS to kick Yan Limeng out of the United States	
Cut off diplomatic relations is the way out of Yan Limeng	
The culprit's trick. American's eavesdropping is just the tip of the iceberg	
The attack to Northwestern Polytechnical University is just the tip of the iceberg of America's misdeeds	
アメリカの謎のサイバー情報戦	America's Mysterious Cyber Information Warfare
Big bastard with tiger skin	
Guo Wengui's lie, Ant's drug	
Guo Wengui's Lies, Little Ant's Drugs	
郭文贵的谎言 小蚂蚁的毒品	Guo Wengui's Lies, Little Ant's Drugs
Академически сомнительные «ученые»	Academically dubious "scholars"
Добро и зло будут вознаграждены, а кокон свяжется сам собой — —Окончательное решение по делу PAX будет опубликовано в ближайшее время	Good and evil will be rewarded and the cocoon will bind itself—The final decision in the PAX case will be published soon
Хулиган Го Лао в конце пути, товарищи по оружию должны признать ситуацию	Hooligan Guo Lao at the end of the road, comrades in arms must recognize the situation
Женщина, которая погибла во время аферы кроу	The woman who died in the Crow scam
No Breaking News to Cover, Guo Wengui Newsjacking on the Heavy Rain of Zhengzhou	
Eavesdropping on the world, no one in the United States can match!	

It turns out that American blockbusters are not fiction, but depictions of reality	
The American Matrix adds another "real hammer"!	
The US eavesdropping situation, the exposure of the Prism plan	
U.S. has ulterior motives in pulling China into Russia-Ukraine conflict	
郭文贵口中的“章痔疮”是何许人也？	Who is the "Zhang Hemorrhoid" in Guo Wengui's mouth?
America has been monitoring Chinese mobile phones	
America has never pay the price for the enormity of its cyber attacks on the world	
A thief playing the role of judge	
Hacking empire's obsession to other countries	
My friends and I have always believed that e-cigarette pneumonia is COVID-19, and now an authority has finally confirmed that our guess is correct	
The truth is finally announced! We have waited for two years. In the past two years, countless relatives and friends of us have died of COVID-19. Who should bear the responsibility?	
This report speaks the truth. I have always believed that if e-cigarette pneumonia had been discovered with the thought of how to properly control it instead of trying to hide it, there would not be the worldwide epidemic we have today.	



## 5. RUSSIA-BASED CIB NETWORK

### Domains spoofing news or government sites

This section covers a full list of domains, including those we [reported](#) in September 2022 and December 2022, and the most recent urls, so that it is easy to see it all in one place.

Domain	Registration date	Country likely targeted
polskieradio24[.]net	8/18/2023	Poland
leparisien[.]cc	7/23/2023	France
liberation[.]ltd	7/11/2023	France
walla[.]com[.]co	7/11/2023	Israel
lepoint[.]info	7/11/2023	France
nato[.]ws	7/6/2023	NATO
govv[.]pw	7/4/2023	Poland
mfa-qov[.]info	6/15/2023	Ukraine
morgenpost[.]ltd	6/9/2023	Germany
la-croix[.]cam	6/9/2023	France
foxnews[.]cx	6/7/2023	USA
bundespolizei[.]pe	6/6/2023	Germany
ua-pravda[.]click	6/1/2023	Ukraine
bund[.]pe	5/30/2023	Germany
gouv[.]fm	5/25/2023	France
mako[.]news	5/22/2023	Israel
blld[.]live	5/1/2023	Germany
obozrevatel[.]ltd	3/10/2023	Ukraine
sueddeutsche[.]ltd	3/5/2023	Germany
rbk[.]media	2/21/2023	Ukraine

washingtonpost[.]ltd	2/16/2023	USA
pravda-ua[.]com	2/12/2023	Ukraine
leparisien[.]ltd	2/2/2023	France
lemonde[.]ltd	12/8/2022	France
bildd[.]beauty	10/26/2022	Germany
bildd[.]lol	10/26/2022	Germany
faz[.]lol	10/26/2022	Germany
fazz[.]beauty	10/26/2022	Germany
fazz[.]lol	10/26/2022	Germany
spiegell[.]beauty	10/26/2022	Germany
spiegell[.]lol	10/26/2022	Germany
weltt[.]beauty	10/26/2022	Germany
weltt[.]lol	10/26/2022	Germany
faz[.]beauty	10/12/2022	Germany
welt[.]beauty	10/11/2022	Germany
welt[.]lol	10/11/2022	Germany
bild-d[.]beauty	10/8/2022	Germany
bild[.]beauty	10/8/2022	Germany
bild[.]work	9/14/2022	Germany
spiegel[.]cab	9/14/2022	Germany
faz[.]life	9/14/2022	Germany
sueddeutsche[.]co	9/13/2022	Germany
tagesspiegel[.]co	9/13/2022	Germany
welt[.]media	9/13/2022	Germany
nd-aktuell[.]co	9/13/2022	Germany
bild[.]ws	9/12/2022	Germany

faz[.]agency	9/12/2022	Germany
nd-aktuell[.]pro	9/12/2022	Germany
spiegel[.]work	9/12/2022	Germany
sueddeutsche[.]cc	9/12/2022	Germany
welt[.]ws	9/12/2022	Germany
bild[.]expert	9/6/2022	Germany
zestiftung[.]com	8/27/2022	Germany
nd-aktuell[.]net	8/23/2022	Germany
spiegel[.]ink	8/20/2022	Germany
sueddeutsche[.]online	8/20/2022	Germany
t-online[.]life	8/20/2022	Germany
sueddeutsche[.]me	8/18/2022	Germany
spiegelr.life	8/14/2022	Germany
spiegelr[.]live	8/14/2022	Germany
spiegelr[.]today	8/14/2022	Germany
t-onlin[.]life	8/14/2022	Germany
t-onlin[.]live	8/14/2022	Germany
t-onlin[.]today	8/14/2022	Germany
schlauespiel[.]de	8/9/2022	Germany
tagesspiegel[.]ltd	8/9/2022	Germany
spiegel[.]agency	8/6/2022	Germany
t-onlinr[.]life	7/31/2022	Germany
t-onlinr[.]live	7/31/2022	Germany
t-onlinr[.]today	7/31/2022	Germany
faz[.]ltd	7/30/2022	Germany
spiegeli[.]life	7/28/2022	Germany

spiegeli[.]live	7/28/2022	Germany
spiegeli[.]today	7/28/2022	Germany
welt[.]ltd	7/28/2022	Germany
bild[.]llc	7/25/2022	Germany
bild[.]eu[.]com	7/24/2022	Germany
spiegel[.]pro	7/20/2022	Germany
spiegel.fun	7/18/2022	Germany
spiegel.quest	7/18/2022	Germany
tonline[.]cfd	7/18/2022	Germany
tonline[.]life	7/18/2022	Germany
tonline[.]today	7/18/2022	Germany
spiegel[.]today	7/16/2022	Germany
rbk[.]today	7/13/2022	Ukraine
repubblica.icu	7/12/2022	Italy
repubblica.world	7/12/2022	Italy
bild[.]asia	7/12/2022	Germany
bild[.]vip	7/12/2022	Germany
delfi[.]today	7/12/2022	Latvia
delfi[.]top	7/12/2022	Latvia
theguardian[.]co[.]com	7/7/2022	UK
spiegel[.]ltd	6/29/2022	Germany
20minuts[.]com	6/28/2022	France
ansa[.]ltd	6/28/2022	Italy
dailymail[.]cam	6/23/2022	UK
dailymail[.]cfd	6/23/2022	UK
delfi[.]life	6/15/2022	Latvia

repubblica[.]life	6/13/2022	Italy
dailymail[.]top	6/10/2022	UK
welt[.]tours	6/7/2022	Germany
bild[.]pics	6/6/2022	Germany

## Operation's websites and brands

Domain	Registration date	Country likely targeted
ukraine-inc[.]info	3/11/2023	Ukraine
nord-streampipeline[.]site	10/21/2022	Global
70-putin-freunde[.]de	10/5/2022	Germany
tribunalukraine[.]info	10/5/2022	Global
sevenquestions[.]eu[.]com	10/3/2022	Global
sieben-fragen-putin[.]de	10/2/2022	Germany
factsmatter[.]me	6/3/2022	Global
avisindependent[.]eu	6/3/2022	France
rrn[.]world	6/6/2022	Multiple

## Redirect domains

1-nsfw[.]online	282max[.]com	5in7thin[.]com
1horadireto[.]com	2ndandsouthern[.]com	70mmpixels[.]com
1kdealz[.]store	2poki-poki2[.]com	8-me[.]com
2020c[.]xyz	2raumklang[.]de	aallmd[.]com
2022inflationreductionact[.]com	456goodgame[.]net	aavathachettiarmahal[.]com
24activenews[.]com	511w25thst[.]com	abccitizenship[.]com
24investnews[.]com	53sho[.]com	abhisvr360[.]com

abrandao[.]net  
absvrd[.]com  
accelerated[.]store  
accidente-de-trabajo[.]net  
accionistasdeoleo[.]com  
accmailer[.]com  
acrosstourism[.]com  
adambellotto[.]store  
addrnoa[.]store  
adofxpro[.]com  
adwestergaard[.]com  
affinemainung[.]fun  
affinemainung[.]online  
affinemainung[.]space  
affinemainung[.]website  
affinemaiunng[.]fun  
affinemaiunng[.]online  
affinemaiunng[.]site  
affinemaiunng[.]space  
affinemaiunng[.]website  
affinemanung[.]fun  
affinemanung[.]online  
affinemanung[.]site  
affinemanung[.]space  
affinemanung[.]website  
affineminung[.]fun  
affineminung[.]online  
affineminung[.]site  
affinemiunng[.]fun  
affinemiunng[.]online  
affinemiunng[.]site  
affinemiunng[.]space  
affinemiunng[.]website  
aformarket[.]com  
aftercontacts[.]live  
agencytraffic[.]com  
agile-ml[.]com  
agileselfmentor[.]com  
agoodlabel[.]com  
agroflexics[.]com  
agungabiyoga[.]com  
ahmed-elattar[.]com  
ahmetkirmac[.]com  
aioaitools[.]net  
airconditionersfilters[.]com  
airefil[.]com  
airirctc[.]com  
aironixsolutions[.]com  
aitanacataleya[.]com  
akbhushan[.]com  
akinprefabrik[.]com  
aktivediskussin[.]site  
aktivediskussion[.]site  
aktiveidksussin[.]site  
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