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# # Competitive Security Assessment

## Manta DApp

Apr 20th, 2023

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# Summary

This report is prepared for the project to identify vulnerabilities and issues in the smart contract source code. A group of NDA covered experienced security experts have participated in the Secure3's Audit Contest to find vulnerabilities and optimizations. Secure3 team has participated in the contest process as well to provide extra auditing coverage and scrutiny of the finding submissions.

The comprehensive examination and auditing scope includes:

- Cross checking contract implementation against functionalities described in the documents and white paper disclosed by the project owner.
- Contract Privilege Role Review to provide more clarity on smart contract roles and privilege.
- Using static analysis tools to analyze smart contracts against common known vulnerabilities patterns.
- Verify the code base is compliant with the most up-to-date industry standards and security best practices.
- Comprehensive line-by-line manual code review of the entire codebase by industry experts.

The security assessment resulted in findings that are categorized in four severity levels: Critical, Medium, Low, Informational. For each of the findings, the report has included recommendations of fix or mitigation for security and best practices.

# Overview

## Project Detail

Project Name	Manta DApp
Platform & Language	TypeScript with React
Codebase	<ul style="list-style-type: none"><li>https://github.com/Manta-Network/manta-front-end</li><li>6b632973551f95703b09435fe64819b6584e45fd</li><li>final commit - to be provided</li></ul>
Audit Methodology	<ul style="list-style-type: none"><li>Penetration Test</li><li>Static Analysis</li></ul>

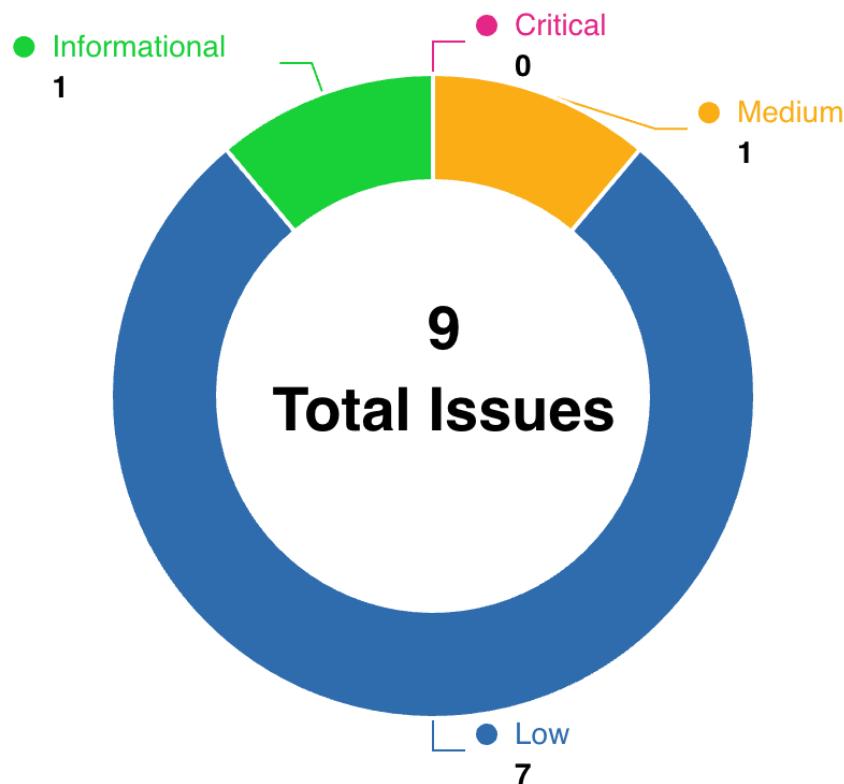
## Code Vulnerability Review Summary

Vulnerability Level	Total	Reported	Acknowledged	Fixed	Mitigated	Declined
Critical	0	0	0	0	0	0
Medium	1	1	0	0	0	0
Low	7	7	0	0	0	0
Informational	1	1	0	0	0	0

## Audit Scope

Test Asset	Details
<a href="https://app.manta.network/calamari/transact">https://app.manta.network/calamari/transact</a>	MantaPay on Calamari
<a href="https://app.manta.network/calamari/bridge">https://app.manta.network/calamari/bridge</a>	Bridge on Calamari
<a href="https://app.manta.network/calamari/stake">https://app.manta.network/calamari/stake</a>	Staking on Calamari

# Code Assessment Findings



ID	Name	Category	Severity	Status	Contributor
MDP-1	'https://forum.manta.network' exist Information Leakage	Information Leakage	Medium	Reported	SAir
MDP-2	'https://forum.manta.network/u' exist Mail server address leak	Information Leakage	Low	Reported	SAir
MDP-3	'https://forum.manta.network/u/check_username?username=system' exist Existing user traversal	Information Leakage	Low	Reported	SAir
MDP-4	API key leakage	Information Leakage	Low	Reported	T0k3n

MDP-5	CORS(Cross Origin Resource Sharing) Vulnerability	Configuration Vulnerabilities	Low	Reported	ida_yang, s76, T0k3n
MDP-6	app.manta.network/calamari without balance check	Logic Vulnerability	Informational	Reported	SAir
MDP-7	https://app.manta.network/calamari/exist Clickjacking	Front-end Security Vulnerabilities	Low	Reported	SAir
MDP-8	location verification bypass	Logic Vulnerabilities	Low	Reported	T0k3n
MDP-9	status.manta.net Information leakage exists on the work page	Information Leakage	Low	Reported	s76

# MDP-1:'<https://forum.manta.network>' exist Information Leakage

Category	Severity	Assets	Status	Contributor
Information Leakage	Medium	<ul style="list-style-type: none"> <li>• <a href="https://forum.manta.network/directory_items.json?order=likes_received&amp;page=0&amp;period=all">https://forum.manta.network/directory_items.json?order=likes_received&amp;page=0&amp;period=all</a></li> <li>• <a href="https://forum.manta.network/user-badges/shumo.json">https://forum.manta.network/user-badges/shumo.json</a></li> <li>• <a href="https://forum.manta.network/usersystem.json">https://forum.manta.network/usersystem.json</a></li> </ul>	Reported	SAir

## Description

**SAir :** Obtain the user list of the whole site through the access link, and modify the page parameters to traverse. There is special user name information that needs to be obtained by modifying the json file name.

## Exploit Process

**SAir :** - execute1: [https://forum.manta.network/directory\\_items.json?order=likes\\_received&page=0&period=all](https://forum.manta.network/directory_items.json?order=likes_received&page=0&period=all)

A success exploitation screenshot:

Manta DApp X

forum.manta.network/directory\_items.json?order=likes\_received&page=0&period=all

```
[{"directory_items": [{"id": "80", "likes_received": 83, "likes_given": 1, "topic_count": 11, "post_count": 12, "topics_entered": 34, "posts_read": 81, "days_visited": 59, "time_read": 6473, "user": {"id": "80", "username": "Garandor", "name": "Adam Reif", "avatar_template": "https://avatars.discourse-cdn.com/v4/letter/g/dbc845/[size].png", "title": "", "flair_name": null, "trust_level": 1}}, {"id": "11", "likes_received": 79, "likes_given": 37, "topic_count": 11, "post_count": 14, "topics_entered": 78, "posts_read": 183, "days_visited": 168, "time_read": 14913, "user": {"id": "11", "username": "shuno", "name": "Shuno", "avatar_template": "/user_avatar/forum.manta.network/shuno/[size]/91_2.png", "title": null, "flair_name": null, "admin": true, "trust_level": 4}}, {"id": "9", "likes_received": 57, "likes_given": 0, "topic_count": 15, "post_count": 0, "topics_entered": 21, "posts_read": 32, "days_visited": 32, "time_read": 2043, "user": {"id": "9", "username": "ghzlatarev", "name": "Georgi Zlatarev", "avatar_template": "https://avatars.discourse-cdn.com/v4/letter/g/5dabc/[size].png", "title": null, "flair_name": null, "trust_level": 4}}, {"id": "54", "likes_received": 53, "likes_given": 28, "topic_count": 16, "post_count": 1, "topics_entered": 28, "posts_read": 50, "days_visited": 49, "time_read": 6371, "user": {"id": "54", "username": "Janko", "name": "Janko", "avatar_template": "/user_avatar/forum.manta.network/janko/[size]/40_2.png", "title": null, "flair_name": null, "trust_level": 1}}, {"id": "4", "likes_received": 38, "likes_given": 0, "topic_count": 6, "post_count": 2, "topics_entered": 28, "posts_read": 17, "days_visited": 50, "time_read": 10578, "user": {"id": "4", "username": "grenade", "name": "rob thijsse", "avatar_template": "/user_avatar/forum.manta.network/grenade/[size]/37_2.png", "title": "", "flair_name": null, "trust_level": 1}}, {"id": "22", "likes_received": 22, "likes_given": 42, "topic_count": 1, "post_count": 10, "topics_entered": 78, "posts_read": 95, "days_visited": 14515, "time_read": 14515, "user": {"id": "22", "username": "Albion", "name": "Albion", "avatar_template": "/user_avatar/forum.manta.network/albion/[size]/12_2.png", "title": null, "flair_name": null, "admin": true, "moderator": true, "trust_level": 1}}, {"id": "12", "likes_received": 14, "likes_given": 2, "topic_count": 1, "post_count": 1, "topics_entered": 1, "posts_read": 19, "days_visited": 15, "time_read": 1266, "user": {"id": "12", "username": "Elephant", "name": "Elephant", "avatar_template": "/user_avatar/forum.manta.network/elephant/[size]/12_2.png", "title": "", "flair_name": null, "trust_level": 1}}, {"id": "32", "likes_received": 13, "likes_given": 31, "topic_count": 0, "post_count": 14, "topics_entered": 38, "posts_read": 111, "days_visited": 49, "time_read": 6279, "user": {"id": "32", "username": "Cryptophtheus", "name": "", "avatar_template": "/user_avatar/forum.manta.network/cryptophtheus/[size]/226_2.png", "title": "", "flair_name": null, "trust_level": 2}}, {"id": "148", "likes_received": 12, "likes_given": 7, "topic_count": 2, "post_count": 2, "topics_entered": 10, "posts_read": 24, "days_visited": 3, "time_read": 518, "user": {"id": "148", "username": "Raiman", "name": "Raiman", "avatar_template": "/user_avatar/forum.manta.network/raiman/[size]/124_2.png", "title": null, "flair_name": null, "trust_level": 0}}, {"id": "7", "likes_received": 12, "likes_given": 10, "topic_count": 2, "post_count": 1, "topics_entered": 25, "posts_read": 39, "days_visited": 36, "time_read": 2352, "user": {"id": "7", "username": "superanonymouse", "name": "Kenny", "avatar_template": "/user_avatar/forum.manta.network/superanonymouse/[size]/63_2.png", "title": null, "flair_name": null, "admin": true, "trust_level": 1}}, {"id": "78", "likes_received": 12, "likes_given": 2, "topic_count": 0, "post_count": 2, "topics_entered": 2, "posts_read": 120, "days_visited": 95, "time_read": 14515, "user": {"id": "78", "username": "SunshineAutoNodes", "name": "", "avatar_template": "https://avatars.discourse-cdn.com/v4/letter/s/e47774/[size].png", "title": null, "flair_name": null, "trust_level": 1}}, {"id": "86", "likes_received": 12, "likes_given": 13, "topic_count": 3, "post_count": 5, "topics_entered": 32, "posts_read": 68, "days_visited": 47, "time_read": 5249, "user": {"id": "86", "username": "Machkboy", "name": "", "avatar_template": "https://avatars.discourse-cdn.com/v4/letter/m/848f3c/[size].png", "title": null, "flair_name": null, "trust_level": 1}}, {"id": "49", "likes_received": 10, "likes_given": 1, "topic_count": 3, "post_count": 0, "topics_entered": 10, "posts_read": 17, "days_visited": 16, "time_read": 1919, "user": {"id": "49", "username": "jamie", "name": "", "avatar_template": "https://avatars.discourse-cdn.com/v4/letter/j/aca169/[size].png", "title": null, "flair_name": null, "trust_level": 1}}, {"id": "74", "likes_received": 8, "likes_given": 29, "topic_count": 0, "post_count": 3, "topics_entered": 32, "posts_read": 58, "days_visited": 25, "time_read": 1988, "user": {"id": "74", "username": "Natalia", "name": "Natalia", "avatar_template": "https://avatars.discourse-cdn.com/v4/letter/n/b3665f/[size].png", "title": null, "flair_name": null, "trust_level": 1}}, {"id": "66", "likes_received": 7, "likes_given": 7, "topic_count": 0, "post_count": 2, "topics_entered": 17, "posts_read": 47, "days_visited": 15, "time_read": 2835, "user": {"id": "66", "username": "papadrita", "name": "", "avatar_template": "/user_avatar/forum.manta.network/papadrita/[size]/42_2.png", "title": "", "flair_name": null, "trust_level": 1}}, {"id": "82", "likes_received": 7, "likes_given": 9, "topic_count": 0, "post_count": 5, "topics_entered": 16, "posts_read": 47, "days_visited": 44, "time_read": 3281, "user": {"id": "82", "username": "ilila", "name": "ilila", "avatar_template": "/user_avatar/forum.manta.network/ilila/[size]/50_2.png", "title": null, "flair_name": null, "trust_level": 0}}, {"id": "19", "likes_received": 6, "likes_given": 1, "topic_count": 0, "post_count": 3, "topics_entered": 9, "posts_read": 10, "days_visited": 5, "time_read": 1039, "user": {"id": "19", "username": "Roeland", "name": "Roeland De Croo", "avatar_template": "https://avatars.discourse-cdn.com/v4/letter/r/a183cd/[size].png", "title": null, "flair_name": null, "trust_level": 1}}, {"id": "94", "likes_received": 6, "likes_given": 2, "topic_count": 0, "post_count": 3, "topics_entered": 9, "posts_read": 35, "days_visited": 16, "time_read": 1000, "user": {"id": "94", "username": "Tlak", "name": "Tlak", "avatar_template": "/user_avatar/forum.manta.network/tlak/[size]/10_2.png", "title": null, "flair_name": null, "trust_level": 1}}, {"id": "46", "likes_received": 5, "likes_given": 0, "topic_count": 0, "post_count": 1, "topics_entered": 18, "posts_read": 63, "days_visited": 31, "time_read": 2116, "user": {"id": "46", "username": "skynode", "name": "Turii Skys", "avatar_template": "/user_avatar/forum.manta.network/skynode/[size]/27_2.png", "title": null, "flair_name": null, "trust_level": 1}}, {"id": "53", "likes_received": 5, "likes_given": 24, "topic_count": 0, "post_count": 5, "topics_entered": 44, "posts_read": 112, "days_visited": 56, "time_read": 6111, "user": {"id": "53", "username": "B", "likes_given": 5, "topic_count": 0, "post_count": 5, "topics_entered": 44, "posts_read": 112, "days_visited": 56, "time_read": 6111, "user": {"id": "53", "username": "displaystyle", "name": "", "avatar_template": "/user_avatar/forum.manta.network/displaystyle/[size]/36_2.png", "title": null, "flair_name": null, "trust_level": 2}}}, {"id": "68", "likes_received": 5, "likes_given": 0, "topic_count": 1, "post_count": 0, "topics_entered": 2, "posts_read": 12, "days_visited": 12, "time_read": 1293, "user": {"id": "68", "username": "tolak", "name": "", "avatar_template": "https://avatars.discourse-cdn.com/v4/letter/t/4491bb/[size].png", "title": null, "flair_name": null, "trust_level": 0}}}, {"id": "317", "likes_received": 5, "likes_given": 0, "topic_count": 1, "post_count": 1, "topics_entered": 2, "posts_read": 14, "days_visited": 3, "time_read": 3518, "user": {"id": "317", "username": "JaqenHghar", "name": "Jaqen H'ghar", "avatar_template": "/user_avatar/forum.manta.network/jaqenkhar/[size]/264_2.png", "title": "", "flair_name": null, "trust_level": 0}}, {"id": "14", "likes_received": 4, "likes_given": 8, "topic_count": 0, "post_count": 4, "topics_entered": 25, "posts_read": 75, "days_visited": 8, "time_read": 3518, "user": {"id": "14", "username": "Luckycrypto", "name": "Viktor", "avatar_template": "https://avatars.discourse-cdn.com/v4/letter/l/258eb7/[size].png", "title": null, "flair_name": null, "trust_level": 1}}, {"id": "15", "likes_received": 4, "likes_given": 7, "topic_count": 0, "post_count": 1, "topics_entered": 19, "posts_read": 19, "days_visited": 16, "time_read": 920, "user": {"id": "15", "username": "Ballantines", "name": "Paul", "avatar_template": "/user_avatar/forum.manta.network/ballantines/[size]/62_2.png", "title": null, "flair_name": null, "trust_level": 1}}, {"id": "45", "likes_received": 4, "likes_given": 1, "topic_count": 0, "post_count": 6, "topics_entered": 19, "posts_read": 71, "days_visited": 21, "time_read": 1821, "user": {"id": "45", "username": "hahaschool", "name": "hahaschool", "avatar_template": "/user_avatar/forum.manta.network/hahaschool/[size]/21_2.png", "title": null, "flair_name": null, "trust_level": 1}}, {"id": "71", "likes_received": 4, "likes_given": 1, "topic_count": 1, "post_count": 0, "topics_entered": 4, "posts_read": 3, "days_visited": 2, "time_read": 176, "user": {"id": "71", "username": "kevingislason", "name": "Kevin Gislason", "avatar_template": "https://avatars.discourse-cdn.com/v4/letter/k/cdd98d/[size].png", "title": null, "flair_name": null, "trust_level": 0}}, {"id": "113", "likes_received": 4, "likes_given": 1, "topic_count": 0, "post_count": 1, "topics_entered": 9, "posts_read": 3, "days_visited": 1, "time_read": 101, "user": {"id": "113", "username": "Sun_day", "name": "Sun day", "avatar_template": "/user_avatar/forum.manta.network/sun_day/[size]/88_2.png", "title": null, "flair_name": null, "trust_level": 0}}, {"id": "172", "likes_received": 4, "likes_given": 0, "topic_count": 0, "post_count": 1, "topics_entered": 1, "posts_read": 9, "days_visited": 9, "time_read": 456, "user": {"id": "172", "username": "riezza", "name": "riezza", "avatar_template": "/user_avatar/forum.manta.network/riezza/[size]/142_2.png", "title": null, "flair_name": null, "trust_level": 0}}, {"id": "46", "likes_received": 3, "likes_given": 4, "topic_count": 0, "post_count": 0, "topics_entered": 27, "posts_read": 92, "days_visited": 26, "time_read": 1179, "user": {"id": "46", "username": "Poggi_Luca", "name": "Poggi Luca", "avatar_template": "/user_avatar/forum.manta.network/poggi_luca/[size]/22_2.png", "title": null, "flair_name": null, "trust_level": 1}}, {"id": "50", "likes_received": 3, "likes_given": 0, "topic_count": 0, "post_count": 1, "topics_entered": 41, "posts_read": 144, "days_visited": 51, "time_read": 9408, "user": {"id": "50", "username": "nettle", "name": "", "avatar_template": "https://avatars.discourse-cdn.com/v4/letter/n/ae9cab/[size].png", "title": null, "flair_name": null, "trust_level": 1}}, {"id": "92", "likes_received": 3, "likes_given": 1, "topic_count": 1, "post_count": 0, "topics_entered": 20, "posts_read": 8, "days_visited": 8, "time_read": 3048, "user": {"id": "92", "username": "Su_Staker_Space", "name": "Su | Staker Space", "avatar_template": "/user_avatar/forum.manta.network/su_staker_space/[size]/70_2.png", "title": null, "flair_name": null, "trust_level": 1}}, {"id": "119", "likes_received": 3, "likes_given": 4, "topic_count": 0, "post_count": 3, "topics_entered": 3, "posts_read": 27, "days_visited": 8, "time_read": 950, "user": {"id": "119", "username": "for_zevs12345", "name": "for_zevs12345", "avatar_template": "https://avatars.discourse-cdn.com/v4/letter/f/zevs12345/[size]/98_2.png", "title": null, "flair_name": null, "trust_level": 0}}, {"id": "156", "likes_received": 3, "likes_given": 10, "topic_count": 0, "post_count": 1, "topics_entered": 6, "posts_read": 18, "days_visited": 10, "time_read": 405, "user": {"id": "156", "username": "Pippibob", "name": "Pippibob", "avatar_template": "/user_avatar/forum.manta.network/pippibob/[size]/132_2.png", "title": null, "flair_name": null, "trust_level": 0}}, {"id": "20", "likes_received": 2, "likes_given": 2, "topic_count": 0, "post_count": 1, "topics_entered": 9, "posts_read": 19, "days_visited": 13, "time_read": 478, "user": {"id": "20", "username": "Sebastiancripto", "name": "", "avatar_template": "https://avatars.discourse-cdn.com/v4/letter/s/142_2.png", "title": null, "flair_name": null, "trust_level": 0}}, {"id": "42", "likes_received": 2, "likes_given": 0, "topic_count": 0, "post_count": 3, "topics_entered": 6, "posts_read": 21, "days_visited": 19, "time_read": 1199, "user": {"id": "42", "username": "Kyle", "name": "", "avatar_template": "https://avatars.discourse-cdn.com/v4/letter/k/848f3c/[size].png", "title": null, "flair_name": null, "trust_level": 1}}, {"id": "52", "likes_received": 2, "likes_given": 1, "topic_count": 0, "post_count": 1, "topics_entered": 3, "posts_read": 11, "days_visited": 1, "time_read": 209, "user": {"id": "52", "username": "cyberP", "name": "Vadym", "avatar_template": "https://avatars.discourse-cdn.com/v4/letter/c/c6ccbff5/[size].png", "title": null, "flair_name": null, "trust_level": 1}}, {"id": "51", "likes_received": 2, "likes_given": 0, "topic_count": 0, "post_count": 2, "topics_entered": 5, "posts_read": 25, "days_visited": 1, "time_read": 374, "user": {"id": "51", "username": "D", "name": "", "avatar_template": ""}]}]
```

```

[{"directory_items": [
    {"id": 80,
     "likes_received": 83,
     "likes_given": 1,
     "topic_count": 11,
     "post_count": 12,
     "topics_entered": 34,
     "posts_read": 81,
     "days_visited": 59,
     "time_read": 6473},
    {"user": {
        "id": 80,
        "username": "Garandor",
        "name": "Adam Reif",
        "avatar_template": "https://avatars.discourse-cdn.com/v4/letter/g/dbc845/[size].png",
        "title": "",
        "flair_name": null,
        "trust_level": 1}},
    {"id": 1,
     "likes_received": 79,
     "likes_given": 37,
     "topic_count": 11,
     "post_count": 14,
     "topics_entered": 78,
     "posts_read": 183,
     "days_visited": 168,
     "time_read": 14913},
    {"user": {
        "id": 1,
        "username": "shumo",
        "name": "Shumo",
        "avatar_template": "/user_avatar/forum.manta.network/shumo/[size]/91_2.png",
        "title": null,
        "flair_name": null,
        "admin": true,
        "trust_level": 4}}]
[{"id": 9,
     "likes_received": 57,
     "likes_given": 0}
]}

```

- execute2: [https://forum.manta.network/user-badges/\[username\].json](https://forum.manta.network/user-badges/[username].json)

e.g. <https://forum.manta.network/user-badges/shumo.json>

```

[{"badges": [...],
 "badge_types": [...],
 "granted_bies": [
    {"id": -1,
     "username": "system",
     "name": "system",
     "avatar_template": "https://europe1.discourse-cdn.com/standard20/uploads/manta/original/1X/2bb7ca9ff8294d4160133b6fde7a54589ce504c7.png",
     "flair_name": null,
     "admin": true,
     "moderator": true,
     "trust_level": 4}},
    {"user_badges": [...]}]

```

- execute3: [https://forum.manta.network/u/\[username\].json](https://forum.manta.network/u/[username].json)

e.g. <https://forum.manta.network/u/system.json>

```
user_badges : [..]
badges : [..]
badge_types : [..]
users :
[0] :
  id : -1
  username : "system"
  name : "system"
  avatar_template : "https://europe1.discourse-cdn.com/standard20/uploads/manta/original/1X/2bb7ca9ff8294d4160133b6fde7a54589ce504c7.png"
  flair_name : null
  admin : true
  moderator : true
  trust_level : 4
user :
  id : -1
  username : "system"
  name : "system"
  avatar_template : "https://europe1.discourse-cdn.com/standard20/uploads/manta/original/1X/2bb7ca9ff8294d4160133b6fde7a54589ce504c7.png"
  last_posted_at : "2021-10-04T19:10:16.713Z"
  last_seen_at : null
  created_at : "2021-09-20T18:27:17.207Z"
  ignored : false
  muted : false
  can_ignore_user : false
  can_mute_user : false
  can_send_private_messages : false
  can_send_private_message_to_user : false
  trust_level : 4
  moderator : true
  admin : true
  title : null
  badge_count : 2
  custom_fields : 0
  time_read : 0
  recent_time_read : 0
  primary_group_id : null
  primary_group_name : null
  flair_group_id : null
  flair_name : null
  flair_url : null
  flair_bg_color : null
  flair_color : null
```

## Recommendation

**SAir** : 1. Authorize the identity of the requester during the query to determine whether they have the permission to access the information.

## Client Response

TBD

# MDP-2:'https://forum.manta.network/u' exist Mail server address leak

Category	Severity	Assets	Status	Contributor
Information Leakage	Low	• <a href="https://forum.manta.network/u">https://forum.manta.network/u</a>	Reported	SAir

## Description

SAir : The mail server address can be obtained through the mail eml file.

## Exploit Process

SAir :

```

1 Received: from mx-out-01a.dub2.discourse.cloud [Unknown [10.244.9.140]]
2 by 174931b69bad (Haraka/3.6.0) with ESMTP id 7C75A813-B88C-4AC8-9546-DF6EA8952A1C.1
3 envelope-from <incoming+verp-b66876e532baaeecd6596a10beabef0d@manta.discoursemail.com>;
4 Sun, 16 Apr 2023 13:05:14 +0000
5 Received: from localhost.localdomain (unknown [IPv6:2682:fd3f:1:203:0:242:ac11:1a])
6 by mx-out-01a.dub2.discourse.cloud (Postfix) with ESMTP id E615BAA0
7 for <baxad57830@gamify.com>; Sun, 16 Apr 2023 13:05:13 +0000 (UTC)
8 DKIM-Signature: v=1; a=rsa-sha256; c=simple/simple; d=discoursemail.com;
9 s=dub2; t=1681658313;
10 b=mpfbWHePgfGLiych/u8fdYvJZ4b5ZrtUqrJJjzesuLw=;
11 h=Date:From:Reply-To>To:Subject;
12 b=3124glnfv50a0nism4c73550m7011/W3V0DleNVT4ghpUKM1NSwrljw9axBDt5eq
13 igzE2VY3bbG8IPdPlcmnYFdZrz4wHQVc35118qnzF5NG80ahP9SM4-WcrcmR4hGwzk
14 08fvaR6dpVvy5aRaXMuuptphR19pIVlRQ/378XqrgbuVgub6Nh2h06BepLo5hYZvyvn
15 Ok3tbah06C0r+8cbd91uYzhMo4/kTS1OU2bsxx1z3xPcpAjiX8yy75F/vyR8gn0dr-B
16 +5BvKanyh+bWWowxXPBd8hkq3J8X8d0fMMNbC2MKW1Cpkmt2eQyitagLHmcBleVOPMCorj
17 wkvf095WCYVvQ=
18 Date: Sun, 16 Apr 2023 13:05:13 +0000
19 From: Manta/Calamaris Network Community <notifications@manta.discoursemail.com>
20 Reply-To: Manta/Calamaris Network Community <notifications@manta.discoursemail.com>
21 To: baxad57830@gamify.com
22 Message-ID: <665ca4da-88cc-4f7b-b76e-ff88b6e9fa34@forum.manta.network>
23 Subject: [Manta/Calamaris Network Community] Password reset
24 MIME-Version: 1.0
25 Content-Type: multipart/alternative;
26 boundary="----_mimepart_643bf289d14c2_94424788229b1"
27 Content-Transfer-Encoding: 7bit
28 X-Auto-Response-Suppress: All
29 Auto-Submitted: auto-generated
30 Feedback-ID: manta:forgot_password:discoursemail
31
32
33 ----_mimepart_643bf289d14c2_94424788229b1
34 Content-Type: text/plain;
35 charset=UTF-8
36 Content-Transfer-Encoding: 7bit
37
38 Somebody asked to reset your password on [Manta/Calamaris Network Community](https://forum.manta.network).
39
40 If it was not you, you can safely ignore this email.
41
42 Click the following link to choose a new password:
43 https://forum.manta.network/u/password-reset/93bcd97b4e75c58ac15231cf0defbabe
44
45 ----_mimepart_643bf289d14c2_94424788229b1
46 Content-Type: text/html;
47 charset=UTF-8
48 Content-Transfer-Encoding: 7bit
49
50 <!DOCTYPE html><html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en"><head>
51   <meta http-equiv="Content-type" name="viewport" content="initial-scale=1.0, maximum-scale=1.0, user-scalable=no, width=device-width">
52   <meta name="color-scheme" content="light dark">
```

```
1 ¶ Received: from mx-out-01a.dub2.discourse.cloud (Unknown [10.244.11.153])
2   by 174931b69bad (Haraka/3.0.0) with ESMTP id 8940357D-BC6E-4F2B-AE47-87980E43FD5B.1
3   envelope-from <incoming+verp-ac26ff8be1cda82bcd49f33889579ab@manta.discoursemail.com>;
4   Sun, 16 Apr 2023 13:03:01 +0000
5 ¶ Received: from localhost.localdomain (unknown [IPv6:2602:Fd3F:1:281:0:242:ac11:19])
6   by mx-out-01a.dub2.discourse.cloud (Postfix) with ESMTP id B85697DA
7   for <baxad57030@gamify.com>; Sun, 16 Apr 2023 13:03:00 +0000 (UTC)
8 ¶ DKIM-Signature: v=1; a=rsa-sha256; c=simple/simple; d=discoursemail.com;
9   s=dub2; t=1681658188;
10  b=jixckjTtkcsH1l7T1dc22+eMhe33/gV7kAkeP+rTlw=;
11  h=Date:From:Reply-To:To:Subject;
12 ¶ b=Umshehb7N0vejzU/g4FvjQm7libJimA48p7xKvazZJ6lqZIrofJllIt01mXH7vN
13  R1tXFwSQtgwz19hwo79F1FK9h+9Hkalm01JNFicX6eUv1BwtsdxipFpqfSSbraQus6
14  G5QjkISd4X4gRa28SN9F+xlaxoavSO4n25464CIMBSyNyxzjCIAjcLHK/Ad6P9x9bV
15  2wzb6j0EgSniQe7NmWCfQeNkI2RT5bMfgIKwel+tipLMogivvOrPoT8sg7920YSud
16  i/Zev2EnllZgZ85Hno7trjeP6afXB1JFC0+QoJQxgsPf5f+mxtG1NckkyorTTLXaD
17  z0IpzBsUeXIPa==
18 Date: Sun, 16 Apr 2023 13:03:00 +0000
19 From: Manta/Calamari Network Community <notifications@manta.discoursemail.com>
20 Reply-To: Manta/Calamari Network Community <notifications@manta.discoursemail.com>
21 To: baxad57030@gamify.com
22 Message-ID: <419e44f4-8dcc-4c18-ad34-c16846c3bcbb@forum.manta.network>
23 Subject: [Manta/Calamari Network Community] Password reset
24 Mime-Version: 1.0
25 ¶ Content-Type: multipart/alternative;
26   boundary="----_mimpart_643bf28495636_8e44e44828821"
27 Content-Transfer-Encoding: 7bit
28 X-Auto-Response-Suppress: All
29 Auto-Submitted: auto-generated
30 Feedback-ID: manta:forgot_password:discoursemail
31
32
33 ----=_mimpart_643bf28495636_8e44e44828821
34 ¶ Content-Type: text/plain;
35   charset=UTF-8
36 Content-Transfer-Encoding: 7bit
37
38 Somebody asked to reset your password on [Manta/Calamari Network Community](https://forum.manta.network).
39
40 If it was not you, you can safely ignore this email.
41
42 Click the following link to choose a new password:
43 https://forum.manta.network/u/password-reset/d3a88aaa9e847db2599c6953782d6e91
44
45 ----=_mimpart_643bf28495636_8e44e44828821
46 ¶ Content-Type: text/html;
47   charset=UTF-8
48 Content-Transfer-Encoding: 7bit
49
50 ¶ <!DOCTYPE html><html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en"><head>
51   <meta http-equiv="Content-type" name="viewport" content="initial-scale=1.0, maximum-scale=1.0, user-scalable=no, width=device-width">
52   <meta name="color-scheme" content="light dark">
```

```
1 ▼ Received: from mx-out-01a.dub2.discourse.cloud (Unknown [18.244.12.123])
2   by 174931b69bad (Haraka/3.0.0) with ESMTP id 808A68FE-D78A-406B-B717-F81C5E8A6106.1
3   envelope-from <incoming+verp-beee90b9bc1bd82af12aee5f58db3fd@manta.discoursemail.com>;
4   Sun, 16 Apr 2023 12:18:40 +0000
5 ▼ Received: from localhost.localdomain (unknown [IPv6:2602:fd3f:1:209:0:242:ac11:12])  

6   by mx-out-01a.dub2.discourse.cloud [Postfix] with ESMTP Id 79A8F88A  

7   for <baxad5703@gmailify.com>; Sun, 16 Apr 2023 12:18:40 +0000 (UTC)
8 ▼ DKIM-Signature: v=1; a=rsa-sha256; c=simple/simple; d=discoursemail.com;
9   s=dub2; t=1681647528;
10  bhm2hxyIRsPrVWAY+Gdq45VWpHn72CNFDHgTGsYd2+ykng=;
11  h=Date:From:Reply-To:To:Subject;
12  b=hXgf/s+mcqol1bfDIBZTzVSFFRkm0c2k3mc53cYL9Ww0Rp/2zpceuGgIdAV9adv7Z  

13  vs0UJxyN4CST4kBS69sfutzRvBLRk9LCDBc3f2n16MhQ7jT66my5z1614tgX1Kx8Iw  

14  QmP193qr+1m2MzU05ToA09FcdTPB+lochzr7wX0mcraERH+tbW7907r3T16TGH736khT  

15  Pu8DqBcE2gY7h017cb2H/n9/GYxfotq5c0atNAf11icsPxMMmfZfdgocZAtVKSLK+  

16  x2UWh11tdVUJ3Gtckk32s3g54jzysXkgsU2iW092X1HGr14W0HvyH3P0c7uQ2fsx/  

17  JtZC5xifYQhA==
18 Date: Sun, 16 Apr 2023 12:18:40 +0000
19 From: Manta/Calamari Network Community <notifications@manta.discoursemail.com>
20 Reply-To: Manta/Calamari Network Community <notifications@manta.discoursemail.com>
21 To: baxad5703@gmailify.com
22 Message-ID: <cc2ed065-3828-461e-aa89-9f9371317ef@forum.manta.network>
23 Subject: [Manta/Calamari Network Community] Password reset
24 Mime-Version: 1.0
25 ▼ Content-Type: multipart/alternative;
26   boundary="----=_mimepart_643be7a0525b7_85a84f58892885"
27 Content-Transfer-Encoding: 7bit
28 X-Auto-Response-Suppress: All
29 Auto-Submitted: auto-generated
30 Feedback-ID: manta:forgot_password:discoursemail
31
32
33 ----=_mimepart_643be7a0525b7_85a84f58892885
34 ▼ Content-Type: text/plain;
35   charset=UTF-8
36 Content-Transfer-Encoding: 7bit
37
38 Somebody asked to reset your password on [Manta/Calamari Network Community](https://forum.manta.network).
39
40 If it was not you, you can safely ignore this email.
41
42 Click the following link to choose a new password:
43 https://forum.manta.network/u/password-reset/15c8adc6319e6a40ffd1c7ce7f48c18e
44
45 ----=_mimepart_643be7a0525b7_85a84f58892885
46 ▼ Content-Type: text/html;
47   charset=UTF-8
48 Content-Transfer-Encoding: 7bit
49
50 <!DOCTYPE html><html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en"><head>
51   <meta http-equiv="Content-type" name="viewport" content="initial-scale=1.0, maximum-scale=1.0, user-scalable=no, width=device-width">
52   <meta name="color-scheme" content="light dark">
```

```
1 Received: from mx-out-81a.dub2.discourse.cloud [Unknown [10.244.11.83]]  
2 by 17493ib69bad (Haraka/3.0.0) with ESMTP id ACC91D84-0328-45C3-AABA-172F37D9F788.1  
3 envelope-from <incoming+verp-c2ib17ff384e8503b8cd3bb48a157bdd@manta.discoursemail.com>;  
4 Sun, 16 Apr 2023 11:48:01 +0000  
5 Received: from localhost.localdomain (unknown [IPv6:2602:fd3f:1:202:0:242:ac11:17])  
6 by mx-out-81a.dub2.discourse.cloud (Postfix) with ESMTP id 9CB827B4D  
7 for <baxad57030@gmifly.com>; Sun, 16 Apr 2023 11:48:00 +0000 (UTC)  
8 DKIM-Signature: v=1; a=rsa-sha256; c=simple/simple; d=discoursemail.com;  
9 s=dub2; t=1681645689;  
10 bh=Cxj5x7kDZoqCEcW3cH10e41tYzIHMnGtJ48Fhqd92w=;  
11 h=Date:From:Reply-To:T0:Subject:  
12 b=KoFTNoz8bk@xvxaec08xGRnBcJJhhfJ30gV+ioHBH+So5gv0UcLCYFD9cUgCTYj8T  
13 P1NrtJ8vTIm5f3MHczuojx611PGLinLYEfgx2/dwQo+Zu4uyqyHVVDRp12yCRQHv  
14 1Prdr5+Noftode757j1kTK2Dq1ZYp7L3k28P1KN2CDACm41z#F88DI9jkPwT02v75w  
15 a=734yM1k3F3wdL52fRfsLHd18wd3dTybyEcWfhqnpf89no8XBwszK6tav0D11drq  
16 d889vCK0A5wShxSk+wDvbmXybUfnVamQmleavGEyHMc4g18440lxrnj1kaot7os8  
17 XnWixiivWI1NdA==  
18 Date: Sun, 16 Apr 2023 11:48:00 +0000  
19 From: Manta/Calamari Network Community <notifications@manta.discoursemail.com>  
20 Reply-To: Manta/Calamari Network Community <notifications@manta.discoursemail.com>  
21 To: baxad57030@gmifly.com  
22 Message-ID: <cb126ad92-7511-45d8-2b56adfd8e02@forum.manta.network>  
23 Subject: [Manta/Calamari Network Community] Password reset  
24 MIME-Version: 1.0  
25 Content-Type: multipart/alternative;  
26 boundary="----_mimepart_643be07056613_8343bd48971bd"  
27 Content-Transfer-Encoding: 7bit  
28 X-Auto-Response-Suppress: All  
29 Auto-Submitted: auto-generated  
30 Feedback-ID: manta:forgot_password:discoursemail  
31  
32  
33 -----_mimepart_643be07056613_8343bd48971bd  
34 Content-Type: text/plain;  
35 charset=UTF-8  
36 Content-Transfer-Encoding: 7bit  
37  
38 Somebody asked to reset your password on [Manta/Calamari Network Community](https://forum.manta.network).  
39  
40 If it was not you, you can safely ignore this email.  
41  
42 Click the following link to choose a new password:  
43 https://forum.manta.network/u/password-reset/f3d5c09d488004fc115e189cceda2a6b  
44  
45 -----_mimepart_643be07056613_8343bd48971bd  
46 Content-Type: text/html;  
47 charset=UTF-8  
48 Content-Transfer-Encoding: 7bit  
49  
50 <!DOCTYPE html><html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en"><head>  
51 <meta http-equiv="Content-type" name="viewport" content="initial-scale=1.0, maximum-scale=1.0, user-scalable=no, width=device-width">  
52 <meta name="color-scheme" content="light dark">
```

```
1 Received: from mx-out-8ib.dub2.discourse.cloud [Unknown [10.244.13.58]]  
2 by 174931b69ead (Haraka/3.0.0) with ESMTP id 310141E0-C59E-458D-AE6B-7D827C76951E.1  
3 envelope-from <incoming+verp-ec97a29882e00309d0500bc4c58ad492@manta.discoursemail.com>;  
4 Sun, 16 Apr 2023 11:39:02 +0000  
5 Received: from localhost.localdomain (unknown [IPv6:2602:fd3f:1:203:8:242:ac11:1a])  
6 by mx-out-8ib.dub2.discourse.cloud (Postfix) with ESMTP id 9874861482  
7 for <baxad57030@gamify.com>; Sun, 16 Apr 2023 11:39:02 +0000 (UTC)  
8 DKIM-Signature: v=1; a=rsa-sha256; c=simple/simple; d=discoursemail.com;  
9 s=dub2; t=1681645142;  
10 bh=>r0PfTR09td5ZzuAwRAa5EeSbbWzzj12kk09vk0G888=;  
11 b=lvBvCXEW5gK0sRtoY9Ll0k5ag5zkz+pAbiwxTjg5xaELGqyt/c7hwA1X00CYyRB  
12 Q5VQuBz2Gu5Uw81o4xt0n1Nzp105Y5e12vnz3P#b5KikQ2xr+15T70et2e9yQ2Es0W  
13 JEtiiY5K+b89KEqJHmoA95Gdwqsifvmegz12cwltcf#WftD0bo+Cmh+Lz2mhd0BBNzr  
14 tktFwNztxyPnfF+r063Zj+rD6#lUUT6HawAklnH5y0gw3n4cKsxo61Yv9uquaySeRR  
15 nn408E2TBGPMaipuNbs8Ku08j4/mW2lpT4Hd3Cgkbq836Cv2H1IU9x4R5qECEDR28  
16 2/GVEG60i+sPw==  
17 Date: Sun, 16 Apr 2023 11:39:02 +0000  
18 From: Manta/Calamari Network Community <notifications@manta.discoursemail.com>  
19 Reply-To: Manta/Calamari Network Community <notifications@manta.discoursemail.com>  
20 To: baxad57030@gamify.com  
21 Message-ID: <e24fb79a-c42a-4601-9ebd-65fe2cb48687@forum.manta.network>  
22 Subject: [Manta/Calamari Network Community] Confirm your new account  
23 Mime-Version: 1.0  
24 Content-Type: multipart/alternative;  
25 boundary="----_mimepart_643bde566a597_94424148851d4"  
26 Content-Transfer-Encoding: 7bit  
27 X-Auto-Response-Suppress: All  
28 Auto-Submitted: auto-generated  
29 Feedback-ID: manta:signup:discoursemail  
30  
31  
32 ----_mimepart_643bde566a597_94424148851d4  
33 Content-type: text/plain;  
34 charset=UTF-8  
35 Content-Transfer-Encoding: 7bit  
36  
37 Welcome to Manta/Calamari Network Community!  
38  
39 Click the following link to confirm and activate your new account:  
40 https://forum.manta.network/u/activate-account/d667895db697b72477a49713df0b12c5  
41  
42 If the above link is not clickable, try copying and pasting it into the address bar of your web browser.  
43  
44 ----_mimepart_643bde566a597_94424148851d4  
45 Content-Type: text/html;  
46 charset=UTF-8  
47 Content-Transfer-Encoding: 7bit  
48  
49 <!DOCTYPE html><html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en"><head>  
50 <meta http-equiv="Content-type" name="viewport" content="initial-scale=1.0, maximum-scale=1.0, user-scalable=no, width=device-width">  
51 <meta name="color-scheme" content="light dark">
```

```

1 Received: from mx-out-01b.dub2.discourse.cloud (Unknown [10.244.11.58])
2 by 174931b69bad (Haraka/3.0.0) with ESMTP id 7A6B784B-2E1F-4437-A02C-EEDF4E40C85.1
3 envelope-from <incoming+verp-b53f697f4dbf3bd19371177cbf0c5059@manta.discoursemail.com>;
4 Sun, 16 Apr 2023 11:37:41 +0000
5 Received: from localhost.localdomain (unknown [IPV6:2602:fd3f:1:203:0:242:ac11:1a])
6 by mx-out-01b.dub2.discourse.cloud (Postfix) with ESMTP id CA099616E1
7 for <baxad57830@gamify.com>; Sun, 16 Apr 2023 11:37:40 +0000 (UTC)
8 DKIM-Signature: v=1; a=rsa-sha256; c=simple/simple; d=discoursemail.com;
9 s=dub2; t=1681645868;
10 bh=6V1e0LbSHvOfUXmMqTNvOTOMBw/Kkn/Eo4iMfXcpzqs=;
11 h=Date:From:Reply-To:To:Subject;
12 b=by1qul08natjaJgVAj/4Pn1Dk4dJhM72TvtDMUV7oF3k+TvZ01hmIIAoFyXvp5C8g
13 fxSNyqK01F1dPDt4gg80rK7+FKL3aAjnUkDz9VpH2GY9FQJ6fpJNdtc@M192ptDH1
14 G27qspS1f4WeXVscHkYHFYE87d/IYkfm3H+quFKSPuraytGcm8xXasemgReX5OG
15 peywokvYndFVqmIv64M0C2k3Lg4r1SPRK9la2K5qM8qy8E85YYceu#tDxuwvxfibLk3
16 vLmnYm/aCdU284UYukKUo19jGBmR5jaCva9sh8DsOwm2VmF96pIGAQ7Vs+c1x15F7
17 x0keL931A02+g==
18 Date: Sun, 16 Apr 2023 11:37:40 +0000
19 From: Manta/Calamari Network Community <notifications@manta.discoursemail.com>
20 Reply-To: Manta/Calamari Network Community <notifications@manta.discoursemail.com>
21 To: baxad57830@gamify.com
22 Message-ID: <f14c75b9-6e37-49e6-bbc0-695c3006d547@forum.manta.network>
23 Subject: [Manta/Calamari Network Community] Confirm your new account
24 Mime-Version: 1.0
25 Content-Type: multipart/alternative;
26 boundary="----_mimepart_643bde84a4243_944241488506F"
27 Content-Transfer-Encoding: 7bit
28 X-Auto-Response-Suppress: All
29 Auto-Submitted: auto-generated
30 Feedback-ID: manta:signup:discoursemail
31
32
33 ----_mimepart_643bde84a4243_944241488506F
34 Content-Type: text/plain;
35 charset=UTF-8
36 Content-Transfer-Encoding: 7bit
37
38 Welcome to Manta/Calamari Network Community!
39
40 Click the following link to confirm and activate your new account:
41 https://forum.manta.network/u/activate-account/4fde6e5253e8c43bac821f125f3bf61f
42
43 If the above link is not clickable, try copying and pasting it into the address bar of your web browser.
44
45 ----_mimepart_643bde84a4243_944241488506F
46 Content-Type: text/html;
47 charset=UTF-8
48 Content-Transfer-Encoding: 7bit
49
50 <!DOCTYPE html><html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en"><head>
51   <meta http-equiv="Content-type" name="viewport" content="initial-scale=1.0, maximum-scale=1.0, user-scalable=no, width=device-width">
52   <meta name="color-scheme" content="light dark">
53

```

Organize and analyze the above eml files. 10.244.12.123 2602:fd3f:1:209:0:242:ac11:12

10.244.11.83 2602:fd3f:1:202:0:242:ac11:17

10.244.11.153 2602:fd3f:1:201:0:242:ac11:19

10.244.9.140 2602:fd3f:1:203:0:242:ac11:1a

10.244.13.58 2602:fd3f:1:203:0:242:ac11:1a

10.244.11.58 2602:fd3f:1:203:0:242:ac11:1a

One of the IPV6 addresses repeated 3 times, he is 2602:fd3f:1:203:0:242:ac11:1a

# DNSlytics

Reports ▾ Addons Monitoring Domain Tools ▾ Reverse Tools ▾ More ▾

IPv6 root -> 2602:fd3f:1::/48 -> 2602:fd3f:1:203:0:242:ac11:1a

## 2602:fd3f:1:203:0:242:ac11:1a

IP address 2602:fd3f:1:203:0:242:ac11:1a

Location Dublin, Leinster, Ireland (IE) 

Registry arin

## Network information

IP address 2602:fd3f:1:203:0:242:ac11:1a

PTR record no PTR record

ASN number [394230](#)

ASN name (ISP) Civilized Discourse Construction Kit, Inc.

IP-range/subnet [2602:fd3f:1::/48](#)  
2602:fd3f:1:: - 2602:fd3f:1:ffff:ffff:ffff:ffff

Network tools [Ping 2602:fd3f:1:203:0:242:ac11:1a](#)  
[Traceroute 2602:fd3f:1:203:0:242:ac11:1a](#)

## Hosting information

Summary of domains, mail servers and name servers currently hosted on this IP address.

Number of domains hosted 0

Number of mail servers hosted 0

Number of name servers hosted 0

# DNSlytics

Reports ▾ Addons Monitoring Domain Tools ▾ Reverse Tools ▾ More ▾

[IPv6 root -> 2602:fd3f:1::/48 -> 2602:fd3f:1:201:0:242:ac11:19]

## 2602:fd3f:1:201:0:242:ac11:19

IP address 2602:fd3f:1:201:0:242:ac11:19

Location Dublin, Leinster, Ireland (IE)  

Registry arin

### Network information

IP address 2602:fd3f:1:201:0:242:ac11:19

PTR record no PTR record

ASN number 394230

ASN name (ISP) Civilized Discourse Construction Kit, Inc.

IP-range/subnet 2602:fd3f:1::/48  
2602:fd3f:1:: - 2602:fd3f:1:ffff:ffff:ffff:ffff:ffff

Network tools [Ping 2602:fd3f:1:201:0:242:ac11:19](#)

[Tracert 2602:fd3f:1:201:0:242:ac11:19](#)

### Hosting information

Summary of domains, mail servers and name servers currently hosted on this IP address.

Number of domains hosted 0

Number of mail servers hosted 0

Number of name servers hosted 0

# DNSlytics

Reports ▾ Addons Monitoring Domain Tools ▾ Reverse Tools ▾ More ▾

[IPv6 root] -> [2602:fd3f:1::/48](#) -> 2602:fd3f:1:209:0:242:ac11:12

## 2602:fd3f:1:209:0:242:ac11:12

IP address 2602:fd3f:1:209:0:242:ac11:12

Location Dublin, Leinster, Ireland (IE) 

Registry arin

### Network information

IP address 2602:fd3f:1:209:0:242:ac11:12

PTR record no PTR record

ASN number [394230](#)

ASN name (ISP) Civilized Discourse Construction Kit, Inc.

IP-range/subnet [2602:fd3f:1::/48](#)  
2602:fd3f:1:: - 2602:fd3f:1:ffff:ffff:ffff:ffff:ffff

Network tools [Ping 2602:fd3f:1:209:0:242:ac11:12](#)

[Traceroute 2602:fd3f:1:209:0:242:ac11:12](#)

### Hosting information

Summary of domains, mail servers and name servers currently hosted on this IP address.

Number of domains hosted 0

Number of mail servers hosted 0

Number of name servers hosted 0

# DNSlytics

Reports Addons Monitoring Domain Tools Reverse Tools More

[IPv6 root -> 2602:fd3f:1::/48 -> 2602:fd3f:1:202:0:242:ac11:17]

## 2602:fd3f:1:202:0:242:ac11:17

IP address 2602:fd3f:1:202:0:242:ac11:17

Location Dublin, Leinster, Ireland (IE) 

Registry arin

### Network information

IP address 2602:fd3f:1:202:0:242:ac11:17

PTR record no PTR record

ASN number 394230

ASN name (ISP) Civilized Discourse Construction Kit, Inc.

IP-range/subnet 2602:fd3f:1::/48  
2602:fd3f:1: - 2602:fd3f:1:ffff:ffff:ffff:ffff:ffff

Network tools [Ping 2602:fd3f:1:202:0:242:ac11:17](#)  
[Tracert 2602:fd3f:1:202:0:242:ac11:17](#)

### Hosting information

Summary of domains, mail servers and name servers currently hosted on this IP address.

Number of domains hosted 0

Number of mail servers hosted 0

Number of name servers hosted 0

Confirm that the ASN numbers are consistent, both are 394230.

The screenshot shows a web browser interface for dnslytics.com. The address bar at the top displays the URL [dnslytics.com/bgp/as394230](https://dnslytics.com/bgp/as394230). The page content is divided into two main sections: "IP Prefixes and Peers" and "Hosting Details".

**IP Prefixes and Peers:**

Prefix	Country	Description
<a href="#">2602:fd3f:fe00::/48</a>	US	Civilized Discourse Construction Kit, Inc.
<a href="#">2602:fd3f:f2::/48</a>	US	Civilized Discourse Construction Kit, Inc.
<a href="#">2602:fd3f:1::/48</a>	US	Civilized Discourse Construction Kit, Inc.
<a href="#">2602:fd3f::/48</a>	US	Civilized Discourse Construction Kit, Inc.

**Hosting Details:**

Domain	DomainRank	IPv4
<a href="#">tappara.co</a>	47	<a href="#">184.104.178.75</a>
<a href="#">comp.xyz</a>	39	<a href="#">74.82.16.203</a>
<a href="#">patreondevelopers.com</a>	36	<a href="#">74.82.16.203</a>
<a href="#">theopenorganization.community</a>	32	<a href="#">74.82.16.203</a>
<a href="#">lex-forum.net</a>	29	<a href="#">184.104.178.81</a>

Query the IPv6 information corresponding to the ASN, described as "Civilized Discourse Construction Kit, Inc." Search this keyword to find:

Google search results for "Civilized Discourse Construction Kit, Inc." showing approximately 200,000 results. The top result is a link to discourse.org. A sidebar shows related search terms: "Discourse", "Civilized Discourse Construction Kit Inc", "Discourse meta", "discourse company", and "Discourse SSO".

discourse.org/team

Civilized Discourse Construction Kit, Inc.



About Features Success Stories Pricing Resources

# What's Discourse the company about?

We aim to make the internet a better place for discussion

We build a community platform for civilized discussion on the web — we feel so strongly about it that we even named our company Civilized Discourse Construction Kit, Inc. We started in 2013 with [3 co-founders](#) unusually passionate about online discussion.

As a [hosting company](#), the product that we host and develop, Discourse, is of course [100% open-source software](#).

The screenshot shows a Google search result for "Civilized Discourse Construction Kit, Inc.". The top result is from codinghorror.com, dated February 5, 2013. The page title is "Civilized Discourse Construction Kit - Coding Horror". Below the title, it says: "2013年2月5日 — The goal of the company we formed, Civilized Discourse Construction Kit, Inc., is exactly that – to raise the standard of civilized ...". The browser interface at the bottom shows the URL as blog.codinghorror.com/civilized-discourse-construction-kit/.

If you're wondering what all those sly references to Tie Fighters were about in my previous blog posts and tweets, now you know. All hail the Emperor, and by the way, what's your favorite programming food?

Today we announce the launch of Discourse, a next-generation, 100% open source discussion platform built for the next decade of the Internet.



The goal of the company we formed, **Civilized Discourse Construction Kit, Inc.**, is exactly that – to raise the standard of civilized discourse on the Internet through seeding it with better discussion software:

- 100% open source and free to the world, now and forever.
- Feels great to use. It's fun.
- Designed for hi-resolution tablets and advanced web browsers.
- Built in moderation and governance systems that let discussion communities protect themselves from trolls, spammers, and bad actors – even without official moderators.

Our [amazingly talented team](#) has been working on Discourse for almost a year now, and although like any open source software it's never entirely done, we believe it is already a generation ahead of any other forum software we've used.

I greatly admire what WordPress did for the web; to say that we want to be the WordPress of forums is not a stretch at all. We're also serious about this eventually being a viable open-source business, [in the mold of WordPress](#). And we're not the only

It can be confirmed that www.discourse.org and blog.codinghorror.com are related to the target site.

## Recommendation

**SAir :** 1. Protect the server, delete sensitive information, and do not easily expose the real IP. When using CDN, first confirm whether there is a real IP in the IP history record, and remember to change the IP before opening the CDN. If the website needs to subscribe or send emails, you can choose an independent server to send them. At the same time, remember to hide the IP of the subdomain name, or use a server with a different c segment from the main service. Even open the CDN service for the whole station.

## Client Response

TBD

## MDP-3:'https://forum.manta.network/u/check\_username?username=system' exist Existing user traversal

Category	Severity	Assets	Status	Contributor
Information Leakage	Low	<ul style="list-style-type: none"><li>• <a href="https://forum.manta.network/u/check_username?username=system">https://forum.manta.network/u/check_username?username=system</a></li><li>• <a href="https://forum.manta.network/u/check_username?username=pentest">https://forum.manta.network/u/check_username?username=pentest</a></li></ul>	Reported	SAir

### Description

**SAir :** On the registration page, since there are no restrictive measures such as graphical verification codes, attackers can use this interface to traverse the usernames of registered users on the entire site, and then carry out blasting or credential stuffing attacks against these usernames.

### Exploit Process

**SAir :**

```
GET /u/check_username?username=system HTTP/2
Host: forum.manta.network
Cookie: __forum_session=wkUKDyKJMLBq1gMRtB2%2BxHsS6jPaWz0h4Y931036PpjHTvVRICJgsQE9vIKG450nHPPXgMjtDA5
qEv%2FufsbCgdN2vrs3UQsUYNbY0htH5NcDmF2yWQSP6pz9MEduQnb13xzBh7vi9bT1kqym%2FVI0WSLiiI097PMhIWlMTbrpbzUl
J8LJQdsu5FE1XDFrNRYJDTg2yMQLW3U%2FVw%2BbNjr65s3HDTchGgDRee8LI%2BXc%2Bll1G2k13t1oh0k%2FgX7AvUKERiI2Q
MIiVwPYPy1kIfQ%3D--ckePiKz%2Bgg5Cun%2B--fnbqunjVJh14%2B4lPu2x7Sg%3D%3D
Sec-Ch-Ua: "Google Chrome";v="111", "Not(A:Brand";v="8", "Chromium";v="111"
Discourse-Present: true
X-Csrf-Token: undefined
Sec-Ch-UA-Mobile: ?0
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/111.0.0.0 Safari/537.36
Accept: application/json, text/javascript, */*; q=0.01
X-Requested-With: XMLHttpRequest
Sec-Ch-Ua-Platform: "Windows"
Sec-Fetch-Site: same-origin
Sec-Fetch-Mode: cors
Sec-Fetch-Dest: empty
Referer: https://forum.manta.network/
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh-TW;q=0.9,zh;q=0.8,en-US;q=0.7,en;q=0.6
Connection: close
```

execute:

```
HTTP/2 200 OK
Server: nginx
Date: Sun, 16 Apr 2023 14:45:43 GMT
Content-Type: application/json; charset=utf-8
Vary: Accept-Encoding
X-Frame-Options: SAMEORIGIN
X-Xss-Protection: 0
X-Content-Type-Options: nosniff
X-Download-Options: noopen
X-Permitted-Cross-Domain-Policies: none
Referrer-Policy: strict-origin-when-cross-origin
X-Discourse-Route: users/check_username
Vary: Accept
Cache-Control: no-cache, no-store
Set-Cookie: _forum_session=AS3%2Fe4JFgdBdyKovWnz51etNl9hiy03j1nc60Yk07%2BvkLEytRnK0vHLSFuE0F1roTVtoG9q7Y%2B9k5HnRW0I5KJnko8VR812N6m4oGTP3tpxzPi0oj08DyWGDC1bQfq3qxRYCRuJPVo0ebFV0YzcFIvqjShvSSD4%2BjICsw8ISk5CEfXT%2B6l9lsSAyDBAZ900k8J0iukuVrgBTWxqIRRlrhEjJiYtcxh%2FJ0r9CSIEA3z7BugujIAfIkLbimngKSo7rS0peTotII3v4%2FEDRg4%3D--YQ5T3saQfeQljYzg--PIA00SfCwnEpbpXlAxNN6Q%3D%3D; path=/; secure; HttpOnly; SameSite=Lax; Secure
X-Request-Id: e57ee960-2195-4a57-9591-07b598cf0c9d
Cdck-Proxy-Id: app-router-tiehunter02.dub2
Strict-Transport-Security: max-age=31536000
Cdck-Proxy-Id: app-balancer-tieinterceptor1b.dub2

{"available":false,"suggestion":"system1"}
```

A success exploitation screenshot:

Target: <https://forum.manta.network>

Request		Response				Inspector
P	Raw	Hex	Pretty	Raw	Hex	Render
1 GET /u/check_username?username=system	HTTP/2		1 HTTP/2 200 OK			
2 Host: forum.manta.network			2 Server: nginx			
3 Cookie: _forum_session=wkUKDyKJMLBq1gMRtB2%2BxHsS6jPaWz0h4Y931036PgjHTvVR1cJgsQE9v1KG450nHPPXgMjtDA5dEv%2FufsbCgdN2vxs3UQsUYNbY0htH5NcdMf2yWQSP6pz9MEdu0nb13xzBh7vi9bT1kqym%2FV10WSL1i1097PMhIWIMTbrpbzUIJ8LJ0dsu5FE1XDFrNRYJDTg2yMQLW3U%2FVw%2BbNjr65s3HDTCgGdRee8lI%2Bx%2BII1G2k13t1oh0k%2FgX7AvUKERiI2QMIiVwPYPy1k1fQ%3D—ckePiKz%2Bgg5Cun%2B—frnbqunjVjh14%2B41Pu2x7Sg%3D%3D						
4 Sec-Ch-Ua: "Google Chrome";v="111", "Not(A:Brand");v="8", "Chromium";v="111"			3 Date: Sun, 16 Apr 2023 14:52:03 GMT			
5 Discourse-Present: true			4 Content-Type: application/json; charset=utf-8			
6 X-Csrf-Token: undefined			5 Vary: Accept-Encoding			
7 Sec-Ch-Ua-Mobile: ?0			6 X-Frame-Options: SAMEORIGIN			
8 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/111.0.0.0 Safari/537.36			7 X-Xss-Protection: 0			
9 Accept: application/json, text/javascript, */*; q=0.01			8 X-Content-Type-Options: nosniff			
10 X-Requested-With: XMLHttpRequest			9 X-Download-Options: noopen			
11 Sec-Ch-Ua-Platform: "Windows"			10 X-Permitted-Cross-Domain-Policies: none			
12 Sec-Fetch-Site: same-origin			11 Referrer-Policy: strict-origin-when-cross-origin			
13 Sec-Fetch-Mode: cors			12 X-Discourse-Route: users/check_username			
14 Sec-Fetch-Dest: empty			13 Vary: Accept			
15 Referer: https://forum.manta.network/			14 Cache-Control: no-cache, no-store			
16 Accept-Encoding: gzip, deflate			15 Set-Cookie: _forum_session=			
17 Accept-Language: zh-CN, zh-TW;q=0.9, zh;q=0.8, en-US;q=0.7, en;q=0.6			F%2FgwyU1auhZ40wDj0fjyCLfxceoYbY%2BMsqQcNaZzywFJ6pVAmr86LPLdF7N2D7ctJuu2LW1R8ZY105gsU1PivGE9x4Eghra0aGoWiFIMO1fu3r91Jah1j%2Bu0qr%2Bm51rXL62qUy0tu0ExpJ121feruyvVOKwEg8Yj9E%2BZ%2FSnYHNxi xhAWPUwh5ofZo%2BWmN4sGhFBP8MLsreArSp0%2F5xa3KrUnTz6UDb8FdNTE%2BW%2B7Wi9WwxNHg0Wfv4wLUTTQg3MvUapRMdcZTwKc%3D—5ru1HV%2Bo7p1fKKm—vuvTeeK07UOYCwEGWuLqjA%3D%3D; path=/; secure; HttpOnly; SameSite=Lax; Secure			
18			16 X-Request-Id: 2085e51e-c848-40e3-bade-e2cf0c8d7453			
19			17 Cdk-Proxy-Id: app-router-tiehunter02.dub2			
			18 Strict-Transport-Security: max-age=31536000			
			19 Cdk-Proxy-Id: app-balancer-tieinterceptor1b.dub2			
			20			
			21 {			
			"available":false,			
			"suggestion":"system1"			
			}			

means already existed

```
GET /u/check_username?username=pentest HTTP/2
Host: forum.manta.network
Cookie: __forum_session=wkUKDyKJMLBq1gMRtB2%2BxHsS6jPaWz0h4Y931036PpjHTvVRICJgsQE9vIKG450nHPPXgMjtDA5
qEv%2FufsbCgdN2vrs3UQsUYNbY0htH5NcDmF2yWQSP6pz9MEduQnb13xzBh7vi9bT1kqym%2FVI0WSLiiI097PMhIWlMTbrpbzUl
J8LJQdsu5FE1XDFrNRYJDTg2yMQLW3U%2FVw%2BbNjr65s3HDTchGgDRee8LI%2BXc%2Bll1G2k13t1oh0k%2FgX7AvUKERiI2Q
MIiVwPYPy1kIfQ%3D--ckePiKz%2Bgg5Cun%2B--fnbqunjVJh14%2B4lPu2x7Sg%3D%3D
Sec-Ch-Ua: "Google Chrome";v="111", "Not(A:Brand";v="8", "Chromium";v="111"
Discourse-Present: true
X-Csrf-Token: undefined
Sec-Ch-UA-Mobile: ?0
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/111.0.0.0 Safari/537.36
Accept: application/json, text/javascript, */*; q=0.01
X-Requested-With: XMLHttpRequest
Sec-Ch-Ua-Platform: "Windows"
Sec-Fetch-Site: same-origin
Sec-Fetch-Mode: cors
Sec-Fetch-Dest: empty
Referer: https://forum.manta.network/
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh-TW;q=0.9,zh;q=0.8,en-US;q=0.7,en;q=0.6
```

execute:

```
HTTP/2 200 OK
Server: nginx
Date: Sun, 16 Apr 2023 14:54:37 GMT
Content-Type: application/json; charset=utf-8
Vary: Accept-Encoding
X-Frame-Options: SAMEORIGIN
X-Xss-Protection: 0
X-Content-Type-Options: nosniff
X-Download-Options: noopen
X-Permitted-Cross-Domain-Policies: none
Referrer-Policy: strict-origin-when-cross-origin
X-Discourse-Route: users/check_username
Vary: Accept
Cache-Control: no-cache, no-store
Set-Cookie: _forum_session=W9umKLK3sWUx70%2FtK6zkDpCdiZJ%2FTB90IG1ml410211S8N6GRF4ofHq5FRYo6%2FIImZJ
3eVelkkZA70xkmLHw3gEbbrawMSCGj5u9BwJs3BB3ovDMSpxf%2BZC9GvvNSVqoPb1ycoL9IuBkVlgg17kgF5AilQmpUQo0Y1FX
pNI%2Btt%2FZ2qtWw7PGaJe3S1xTfTJ2af96vG2hEf8n2h0YtkrL5A7bt%2B1bjT2sf2I7Msb5DHzVuFiKsbh0MHTeC0akwHPJh2
buQloDce3Vr2cU1I%3D--q5UNCpLHZGZGonQm--ZTkx2XVVvc8Ert84IwNUqQ%3D%3D; path=/; secure; HttpOnly; SameSite=Lax; Secure
X-Request-Id: db4646ae-ed7c-455f-9d8d-718719190a72
Cdck-Proxy-Id: app-router-tiehunter02.dub2
Strict-Transport-Security: max-age=31536000
Cdck-Proxy-Id: app-balancer-tieinterceptor1b.dub2

{"available":true,"is_developer":false}
```

A success exploitation screenshot:

The screenshot shows a network traffic analysis interface with two main panes: Request and Response.

**Request:**

```

1 GET /u/check_username?username=pentest HTTP/2
2 Host: forum.manta.network
3 Cookie: _forum_session=wkUKDyKJMLBq1gMRtB2%2BxHsS6jPaWz0h4Y931036PgjHTvVR1cJgsQE9v1KG450nHPPXgMjtDA5qEv%2FufsCgdN2vrs3UOsUYNbY0htH5NcDmF2yWQSP6pz9MEduQnb3xzBh7v19bT1kqym%2FV10WSL1i097PMhIWMTbrpbzUIJ8LJQdsu5FE1XDFrNRYJDTg2yMQLW3U%2FVw%2BbNjr65s3HTchGgDReeBL1%2BXc%2B1l1G2k13t1oh0k%2FgX7AvUKERi12OM1iVwPYPy1k1fQ%3D--ckePiKz0%2Bgg5Cun%2B--fnbqunjVJh14%2B4IPu2x7Sg%3D%3D
4 Sec-Ch-Ua: "Google Chrome";v="111", "Not (A:Brand";v="8", "Chromium";v="111"
5 Discourse-Present: true
6 X-Csrftoken: undefined
7 Sec-Ch-Ua-Mobile: ?0
8 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/111.0.0.0 Safari/537.36
9 Accept: application/json, text/javascript, */*; q=0.01
10 X-Requested-With: XMLHttpRequest
11 Sec-Ch-Ua-Platform: "Windows"
12 Sec-Fetch-Site: same-origin
13 Sec-Fetch-Mode: cors
14 Sec-Fetch-Dest: empty
15 Referer: https://forum.manta.network/
16 Accept-Encoding: gzip, deflate
17 Accept-Language: zh-CN, zh-TW;q=0.9, zh;q=0.8, en-US;q=0.7, en;q=0.6
18
19

```

**Response:**

```

1 HTTP/2 200 OK
2 Server: nginx
3 Date: Sun, 16 Apr 2023 14:54:37 GMT
4 Content-Type: application/json; charset=utf-8
5 Vary: Accept-Encoding
6 X-Frame-Options: SAMEORIGIN
7 X-Xss-Protection: 0
8 X-Content-Type-Options: nosniff
9 X-Download-Options: noopen
10 X-Permitted-Cross-Domain-Policies: none
11 Referrer-Policy: strict-origin-when-cross-origin
12 X-Discourse-Route: users/check_username
13 Vary: Accept
14 Cache-Control: no-cache, no-store
15 Set-Cookie: _forum_session=W9umKLK3sWUx70%2FtK6zkDpCdiZJ%2FTB901G1m141021IS8N6GRF4ofHq5FRY6%2FIImZJ3eVeikkZA70xkmLHw3gEbbrawWMSCGj5u9Bws3BB3ovDMSpxf%2BZC9GvvNSVqoPb1yc0L91uBkV1gg17kgF5Ai1QmpUQo0Y1FXpNI%2Btt%2FZ2qtWw7PGaJe3S1xTfTJ2af96vG2hEf8n2h0YtkrL5A7bt%2B1bjT2sf217Msbd5DHzVuFiKsbhOMHTeCoakwHPJh2buQ1oDce3Vr2cU1I%3D--q5UNCpLHZGZGonQm--ZTxz2XVVvc8Ert841wNUqq%3D%3D; path=/; secure; HttpOnly; SameSite=Lax; Secure
16 X-Request-Id: db464ae-ed7c-455f-9d8d-718719190a72
17 Cdk-Proxy-Id: app-router-tiehunter02.dub2
18 Strict-Transport-Security: max-age=31536000
19 Cdo-Proxy-Id: app-balancer-tieinterceptor1b.dub2
20
21 {
    "available":true,
    "is_developer":false
}

```

A red box highlights the JSON response body, and a red arrow points from the URL in the Request pane to the "available" field in the Response body. A red note at the bottom right of the Response pane says "has not existed".

## Recommendation

**SAir :** 1. Add restrictive measures such as graphic verification codes to prevent attackers from replaying data packets and traversing registered users.

## Client Response

TBD

# MDP-4:API key leakage

Category	Severity	Assets	Status	Contributor
Information Leakage	Low	<ul style="list-style-type: none"> <li>https://app.manta.network/calamari/transact</li> </ul>	Reported	T0k3n

## Description

**T0k3n :** The interface key of the third-party component IPdata used by the system is used to obtain and query the IP address through the API. Attackers can use APIs to continuously send requests until all the money in IPdata is deducted. And it affects the statistics of access address data collected by the system normally.

## Exploit Process

**T0k3n :**

The screenshot shows the NetworkMiner interface with an intercepted request to https://api.ipdata.co:443. The 'Drop' button in the toolbar is highlighted with a red box. The request details pane shows the following headers:

```

1 GET /?api-key=f47f1429b7dfb0d01a6d049b7cd283087b1b75fc3891f249d9c0919b HTTP/1.1
2 Host: api.ipdata.co
3 Pragma: no-cache
4 Cache-Control: no-cache
5 Sec-Ch-Ua: "Chromium";v="112", "Google Chrome";v="112", "Not:A-Brand";v="99"
6 Accept: application/json, text/plain, */*
7 Sec-Ch-Ua-Mobile: ?0
8 User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/112.0.0.0 Safari/537.36
9 Sec-Ch-Ua-Platform: "macOS"
10 Origin: https://app.manta.network
11 Sec-Fetch-Site: cross-site
12 Sec-Fetch-Mode: cors
13 Sec-Fetch-Dest: empty
14 Referer: https://app.manta.network/
15 Accept-Encoding: gzip, deflate
16 Accept-Language: zh-TW,zh;q=0.9,en-US;q=0.8,en;q=0.7,zh-CN;q=0.6
17 Connection: close
18
19

```

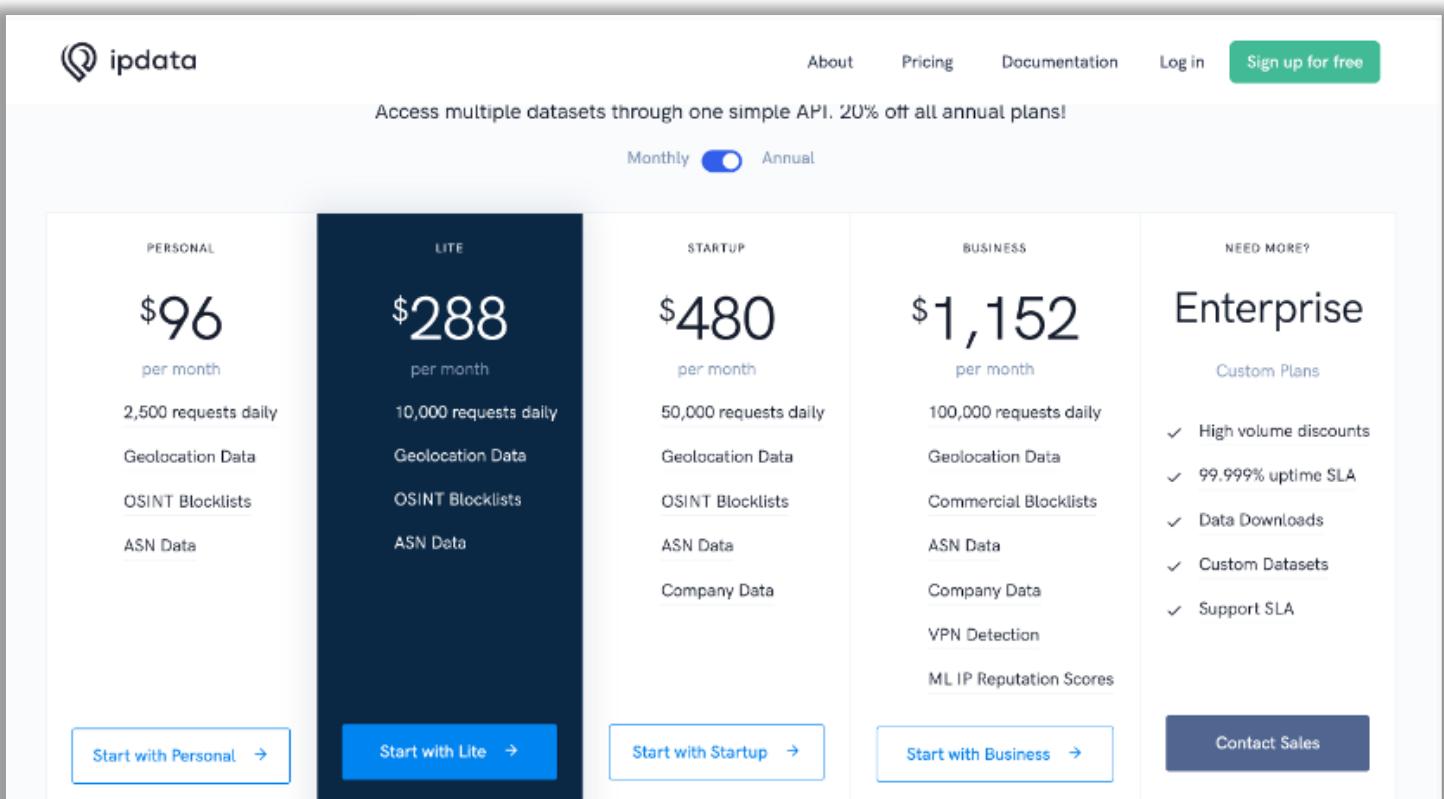


```

1 import React, { useEffect } from 'react';
2 import { useModal } from 'hooks';
3 import axios from 'axios';
4 import { useNavigate } from 'react-router-dom';
5
6 const blockedCountries = ['US', 'CN', 'IR', 'CU', 'KP', 'SY', 'NM'];
7 const blockedRegions = ['Crimea', 'Luhans\k', 'Donets\k'];
8 const IPDATA_APIKEY = 'f47f1429b7dfb0d01a6d049b7cd283087b1b75fc3891f249d9c0919b';
9
10 function IPBlockingModal() {
11   const { ModalWrapper, showModal, hideModal } = useModal({ closeDisabled: true });
12   const navigate = useNavigate();
13
14
15   useEffect(() => {

```

The following figure shows the usage price of ipdata



PERSONAL	LITE	STARTUP	BUSINESS	NEED MORE?
<b>\$96</b> per month	<b>\$288</b> per month	<b>\$480</b> per month	<b>\$1,152</b> per month	Enterprise Custom Plans <ul style="list-style-type: none"> <li>✓ High volume discounts</li> <li>✓ 99.999% uptime SLA</li> <li>✓ Data Downloads</li> <li>✓ Custom Datasets</li> <li>✓ Support SLA</li> </ul>
2,500 requests daily	10,000 requests daily	50,000 requests daily	100,000 requests daily	
Geolocation Data	Geolocation Data	Geolocation Data	Geolocation Data	
OSINT Blocklists	OSINT Blocklists	OSINT Blocklists	Commercial Blocklists	
ASN Data	ASN Data	ASN Data	ASN Data	
		Company Data	Company Data	
			VPN Detection	
			ML IP Reputation Scores	
<a href="#">Start with Personal →</a>	<a href="#">Start with Lite →</a>	<a href="#">Start with Startup →</a>	<a href="#">Start with Business →</a>	<a href="#">Contact Sales</a>

## Recommendation

**T0k3n** : Perform IP queries on the backend of the system through the following methods

The screenshot shows a browser-based API testing interface with two panes: Request and Response.

**Request:**

```

1 GET /8.8.8.8/api-key=
f47f1429b7dfb0d01a6d049b7cd283087b1b75fc3891f249d9c0919b HTTP/2
2 Host: api.ipdata.co
3 Pragma: no-cache
4 Cache-Control: no-cache
5 Sec-Ch-Ua: "Chromium";v="112", "Google Chrome";v="112",
"Not:A-Brand";v="99"
6 Accept: application/json, text/plain, */*
7 Sec-Ch-Ua-Mobile: ?0
8 User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/112.0.0.0
Safari/537.36
9 Sec-Ch-Ua-Platform: "macOS"
10 Origin: https://app.manta.network
11 Sec-Fetch-Site: cross-site
12 Sec-Fetch-Mode: cors
13 Sec-Fetch-Dest: empty
14 Referer: https://app.manta.network/
15 Accept-Encoding: gzip, deflate
16 Accept-Language: zh-TW,zh;q=0.9,en-US;q=0.8,en;q=0.7,zh-CN;q=0.6
17
18

```

**Response:**

```

1 HTTP/2 200 OK
2 Date: Thu, 06 Apr 2023 10:05:06 GMT
3 Content-Type: application/json; charset=utf-8
4 Content-Length: 1656
5 X-Amzn-Requestid: 4f75f422-3cbc-4930-90cd-67aecc41f713
6 Access-Control-Allow-Origin: *
7 Access-Control-Allow-Headers: Content-Type
8 X-Amz-Apigw-Id: C8zk9G_cS0QFukw=
9 Access-Control-Allow-Methods: OPTIONS,POST,GET
10 X-Amzn-Trace-Id:
Root=1-642e9952-370cc6a528ade0296fb76d1d;Sampled=0;lineage=7ea0983
f:0|c4f7cfec:0
11
12 {
13   "ip": "8.8.8.8",
14   "is_eu": false,
15   "city": "Los Angeles",
16   "region": "California",
17   "region_code": "CA",
18   "region_type": "state",
19   "country_name": "United States",
20   "country_code": "US",
21   "continent_name": "North America",
22   "continent_code": "NA",
23   "latitude": 34.05440139770508,
24   "longitude": -118.24410247802734,
25   "postal": "90009",
26   "calling_code": "1",
27   "flag": "https://ipdata.co/flags/us.png",
28   "emoji_flag": "\ud83c\udfa",
29   "emoji_unicode": "\ud83c\udfa \ud83c\udf80",
30   "asn": {
31     "asn": "AS15169",
32     "name": "Google LLC",
33     "domain": "google.com",
34     "route": "8.8.8.0/24",
35     "type": "business"
36   },

```

## Client Response

TBD

# MDP-5:CORS(Cross Origin Resource Sharing) Vulnerability

Category	Severity	Assets	Status	Contributor
Configuration Vulnerabilities	Low	<ul style="list-style-type: none"> <li>• <a href="https://app.manta.network/calamar/i/bridge">https://app.manta.network/calamar/i/bridge</a></li> <li>• <a href="https://app.manta.network/calamar/i/stake">https://app.manta.network/calamar/i/stake</a></li> <li>• <a href="https://app.manta.network/calamar/i/transact">https://app.manta.network/calamar/i/transact</a></li> <li>• <a href="https://app.manta.network/app.manta.network/calamari/transaction">https://app.manta.network/app.manta.network/calamari/transaction</a></li> <li>• <a href="https://app.manta.network/calamari/bridge">app.manta.network/calamari/bridge</a></li> <li>• <a href="https://app.manta.network/calamari/stake">app.manta.network/calamari/stake</a></li> </ul>	Reported	ida_yang, s76, T0k3n

## Description

**ida\_yang** : The essence of CORS cross domain vulnerabilities is improper server configuration, where Access Control Allow Origin is taken from the Origin field of the request header and Access Control Allow Credentials is set to true. Causing attackers to construct malicious scripts that induce users to click to obtain sensitive user data  
 (PS: Most vulnerabilities occur due to improper server configuration.)

**s76** : A CORS vulnerability is discovered in the app.manta.network User-Agent parameters during the penetration testing process. CORS Configuration errors can have a significant impact on the security of a Web application

1. Data theft: An attacker can use the CORS vulnerability to steal sensitive data from an application, such as API keys, SSH keys, personally identifiable information (PII), or user credentials.
2. Cross-site scripting (XSS) : Attackers can use the CORS vulnerability to execute XSS attacks by injecting malicious scripts into web pages to steal session tokens or perform unauthorized actions on behalf of users.

Because Access-Control-Allow-Origin is set to \*, which trusts all domains

More details about CVE-2021-44228 please refer to <https://blog.securelayer7.net/owasp-top-10-security-misconfiguration-5-cors-vulnerability-patch/>

**T0k3n** : CORS (Cross-Origin Resource Sharing) defines a mechanism to enable client-side cross-origin requests. This application is using CORS in an insecure way.

## Exploit Process

ida\_yang :

```

1 GET /calamari/transact HTTP/2
2 Host: app.manta.network
3 Cache-Control: max-age=0
4 Sec-Ch-Ua: " Not A;Brand";v="99", "Chromium";v="90"
5 Sec-Ch-Ua-Mobile: ?0
6 Upgrade-Insecure-Requests: 1
7 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/90.0.4430.212 Safari/537.36
8 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apn;q=0.8,application/signed-exchange;v=b3;q=0.9
9 origin: http://xx.xx.xx.xx
10 Strict-Transport-Security: max-age=63072000
11 X-Vercel-Cache: HIT
12 X-Vercel-Id: sin1:sin1:mw4t8-1681699733211-cb6b06978645

1 GET /calamari/bridge HTTP/2
2 Host: app.manta.network
3 Cache-Control: max-age=0
4 Sec-Ch-Ua: " Not A;Brand";v="99", "Chromium";v="90"
5 Sec-Ch-Ua-Mobile: ?0
6 Upgrade-Insecure-Requests: 1
7 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/90.0.4430.212 Safari/537.36
8 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apn;q=0.8,application/signed-exchange;v=b3;q=0.9
10 Strict-Transport-Security: max-age=63072000
11 X-Vercel-Cache: HIT
12 X-Vercel-Id: sin1:sin1:mw4t8-1681699733211-cb6b06978645

1 GET /calamari/stake HTTP/2
2 Host: app.manta.network
3 Cache-Control: max-age=0
4 Sec-Ch-Ua: " Not A;Brand";v="99", "Chromium";v="90"
5 Sec-Ch-Ua-Mobile: ?0
6 Upgrade-Insecure-Requests: 1
7 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/90.0.4430.212 Safari/537.36

```

It should be noted that we can also test websites with the Access Control Allow Origin: \* field for CORS vulnerabilities, but if it is a combination of the following, there is no vulnerability because the browser will already block the following configuration.

s76 :

```

GET url add `User-Agent` Access-Control-Allow-Origin
GET /calamari/transact HTTP/2
Host: app.manta.network
Cookie: _ga_J7YDH8B96W=GS1.1.1680587830.1.0.1680587855.0.0.0; _ga=GA1.1.2038444609.1680587831
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.15; rv:109.0) Gecko/20100101 Firefox/111.0
Accept: */*
Accept-Language: zh-CN,zh;q=0.8,zh-TW;q=0.7,zh-HK;q=0.5,en-US;q=0.3,en;q=0.2
Accept-Encoding: gzip, deflate
Sec-Fetch-Dest: empty
Sec-Fetch-Mode: cors
Sec-Fetch-Site: same-origin
Access-Control-Allow-Origin: http://a.com, http://c.com
If-None-Match: W/"bdaceb23d6c21d4eeee099a4bbd023af"
Te: trailers

```

```
Pretty Raw Hex U2C
GET /calamari/transact HTTP/2
Host: app.manta.network
Cookie: _ga_J7YDH8B96W=GS1.1.1680587830.1.0.1680587855.0.0.0;
_ga=GA1.1.2038444609.1680587831
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.15;
rv:109.0) Gecko/20100101 Firefox/111.0
Accept: /*
Accept-Language:
zh-CN,zh;q=0.8,zh-TW;q=0.7,zh-HK;q=0.5,en-US;q=0.3,en;q=0.2
Accept-Encoding: gzip, deflate
Sec-Fetch-Dest: empty
Sec-Fetch-Mode: cors
Sec-Fetch-Site: same-origin
Access-Control-Allow-Origin: http://a.com, http://c.com
If None Match: W/"bdaccb23d6c21d4cccc099a4bbd023af"
Te: trailers
```

```
Pretty Raw Hex Render MarkInfo U2C ⌂ ⌄ ⌂

1 HTTP/2 200 OK
2 Access-Control-Allow-Origin: *
3 Age: 358297
4 Cache-Control: s-maxage=0
5 Content-Disposition: inline; filename="index.html"
6 Content-Type: text/html; charset=utf-8
7 Date: Mon, 17 Apr 2023 03:34:06 GMT
8 Etag: W/"9be7782e7aea72aa6258f9fe9a7acfb4"
9 Server: Vercel
10 Strict-Transport-Security: max-age=63072000
11 X-Vercel-Cache: HIT
12 X-Vercel-Id: hkg1:hkg1::kpmkp-1681702446401-c3b722329b65
13
14 <!doctype html><html lang="en">
  <head>
    <script src="https://cdn.usefathom.com/script.js" data-site="DZIVXARS" data-excluded-domains="vercel.app,localhost" defer="defer">
    </script>
    <meta charset="utf-8"/>
    <link rel="shortcut icon" href="/favicon.ico"/>
    <meta name="viewport" content="width=device-width,initial-scale=1"/>
    <meta name="theme-color" content="#000000"/>
    <meta name="referrer" content="origin"/>
    <link rel="manifest" href="/manifest.json"/>
    <link href="/static/css/2.b0832302.chunk.css" rel="stylesheet">
    <link href="/static/css/main.222654c2.chunk.css" rel="stylesheet">
```

## T0k3n : execute:

The screenshot shows the Network tab of a browser developer tools interface. The Request section shows a GET request to `/FS/DownloadFile?fileId=2546&fileName=Kongbaitest&backUrl=https://www.baidu.com?appId=1&ts=1675832338&sign=7CA410A1E90B9635DBE2C8AB251061C3&sid=5BFC58BAF125EC03892E8AF0E1273BCE7D6634EE2015FAB5DCFC92841D2BBE94B3C7ECABFF23BC3E4F8CD4B92815725C38AF08255ED167D6BC01A443E06C64A9ADEFAD345F188633B0E03BFA63759E7E25011951D09E506F1F8073564E134C73E61E9254ADBA949234404169DEF680EA8D2EC9665E649ABBF3430A6B1D492498`. The Response section shows an HTTP 1.1 302 Found response with headers including Server: nginx/1.20.0, Date: Wed, 08 Feb 2023 05:02:57 GMT, Content-Type: text/html; charset=utf-8, Content-Length: 201, Connection: close, Cache-Control: private, and Location: `https://www.baidu.com?message=%e9%93%be%e6%8e%a5%e5%b7%b2%e5%a4%b1%e6%95%88%ef%bc%81`.

## Recommendation

**ida\_yang** : Close unofficially opened CORS

Whitelist restriction: Define a whitelist for the 'source', avoid using regular expressions, do not configure Access Control Allow Origin as a wildcard character \* or null, and strictly verify the value of Origin from the request packet

Only allow the use of security protocols to avoid man in the middle attacks

Thoroughly return to the right of Vary: Origin to break through the attacker's use of browser cache for attack

Avoid setting the Access Control Allow Credentials header to true as a replacement value. If there is no necessary credential data for cross domain requests, set it to false based on the actual situation

Restricting the methods allowed for cross domain requests, Access Control Allow Methods alternatively reduces the number of methods involved and reduces risk

Limit browser cache duration: It is recommended to use Access Control Allow Methods and Access Control Allow Headers to limit the amount of time the browser can cache information. This is done by configuring the Access Control Max Age header, which receives the number of times as input, which is the time the browser saved the cache. The value ensures that the browser can update the policy in a short period of time

Only configure cross domain headers when receiving cross domain requests and ensure that cross domain requests are legitimate sources to reduce the possibility of malicious exploitation by attackers.

**s76** : 1.Whitelist restriction: Define the whitelist of "source", avoid using regular expressions, do not configure Access-Control-Allow-Origin as wildcard \* or null, and strictly validate the value of Origin from the request packet

**T0k3n** : Allow only selected, trusted domains in the Access-Control-Allow-Origin header.

## Client Response

TBD

## MDP-6:app.manta.network/calamari without balance check

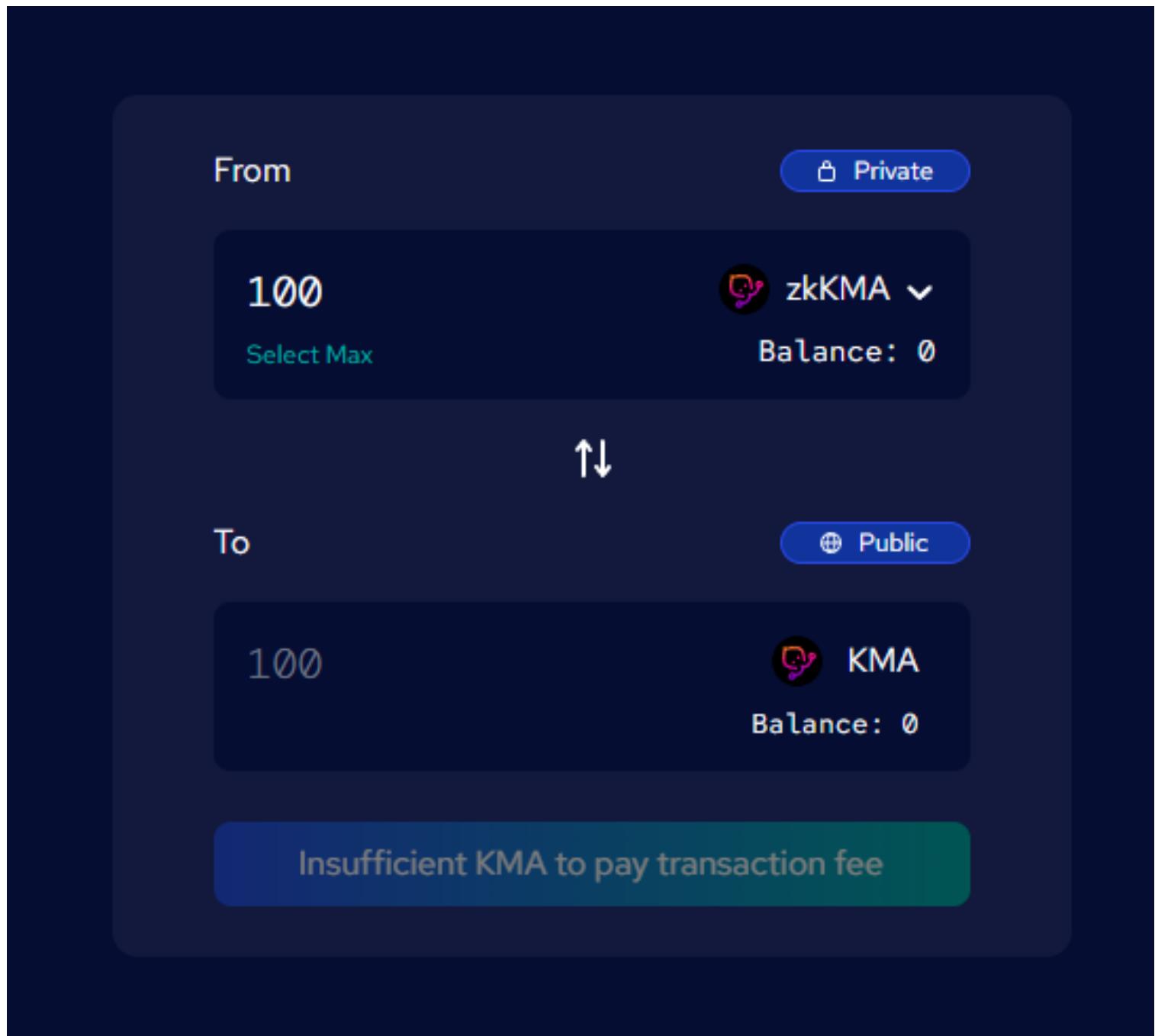
Category	Severity	Assets	Status	Contributor
Logic Vulnerability	Informational	<ul style="list-style-type: none"><li>https://app.manta.network/calamar</li></ul>	Reported	SAir

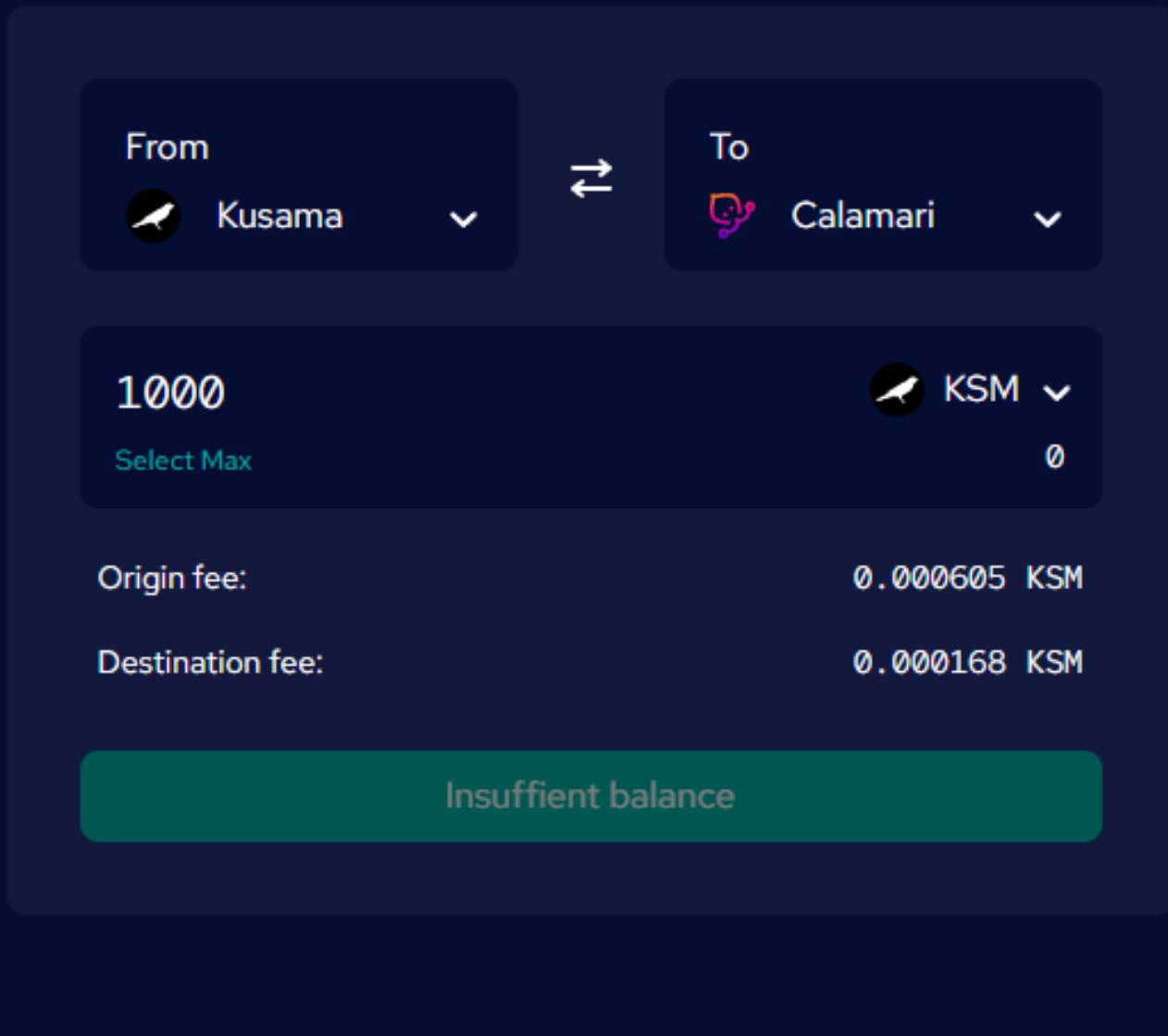
### Description

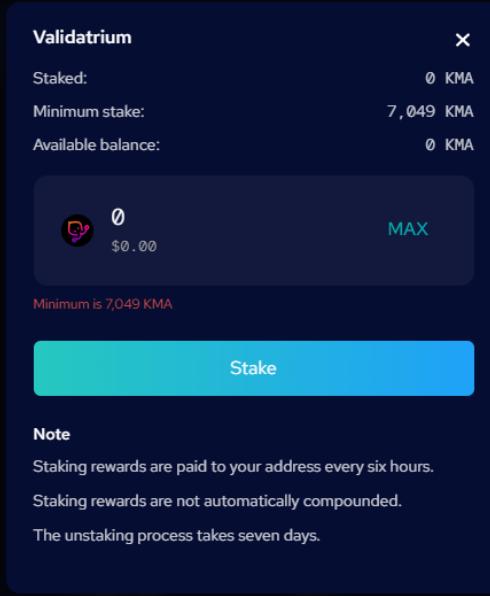
SAir : no balance check

### Exploit Process

SAir :







The front-end test cannot enter a negative number that has exceeded its own balance.

As a result of the Dolphin Testnet's test calculation, the result of the new test test.

## Recommendation

SAir : Add balance check.

## Client Response

TBD

# MDP-7:https://app.manta.network/calamari/ exist Clickjacking

Category	Severity	Assets	Status	Contributor
Front-end Security Vulnerabilities	Low	<ul style="list-style-type: none"> <li>• https://app.manta.network/calamar/i/transact</li> <li>• https://app.manta.network/calamar/i/bridge</li> <li>• https://app.manta.network/calamar/i/stake</li> </ul>	Reported	SAir

## Description

**SAir :** The response header X-Frame-Option is missing. X-Frame-Option is used to indicate to the browser whether a page can be displayed in `<frame>`, `<iframe>`, or `<object>` tags. Websites can use this to ensure that their content is not embedded on other websites.

## Exploit Process

**SAir :**

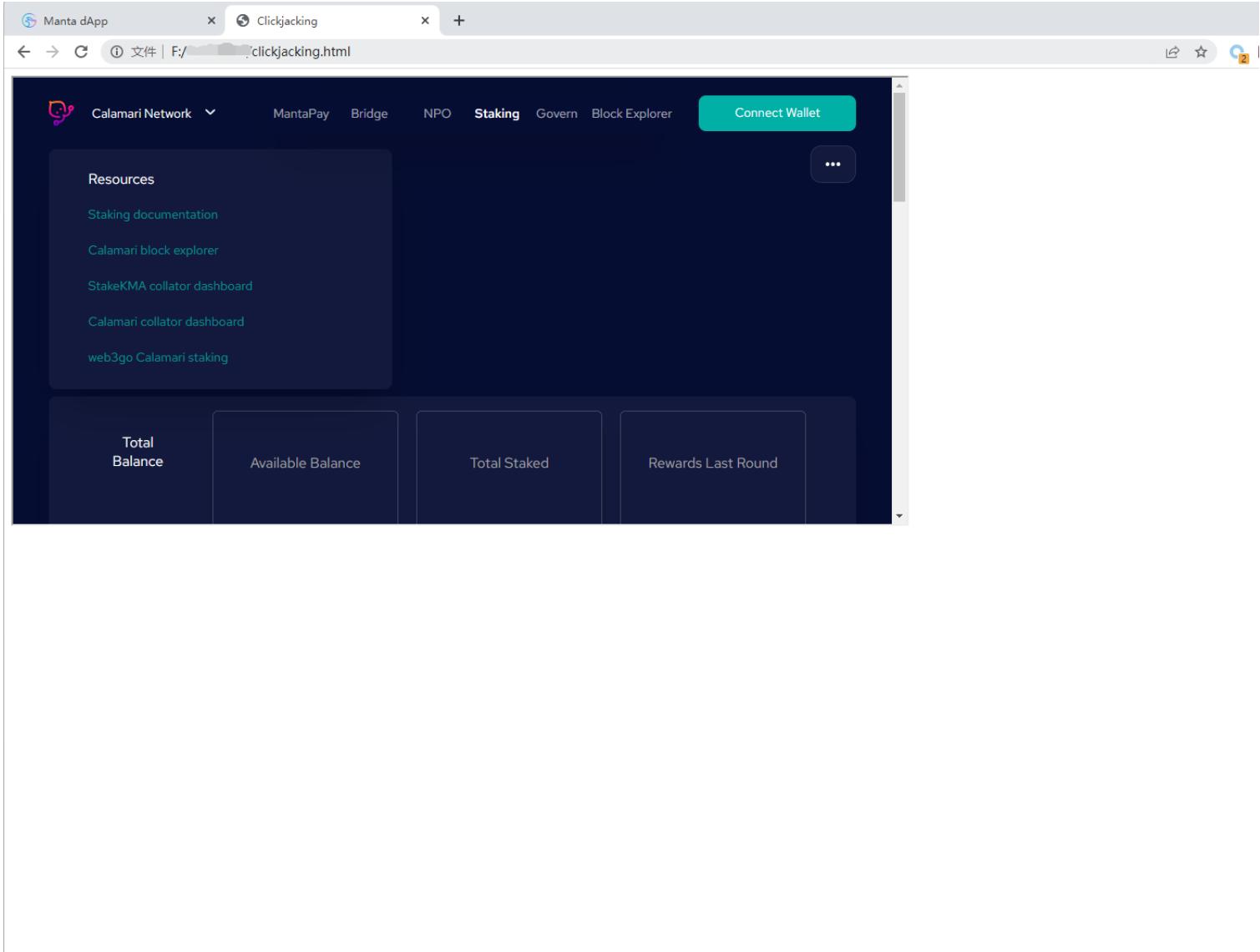
```

<html>
<head>
<title>Clickjacking</title>
</head>
<body>
<iframe src="https://app.manta.network/calamari/stake" width="1000" height="500" />
</iframe>
</body>
</html>

```

Attackers can use an iframe to load a page into their own page and place it on the top layer, setting it to completely transparent. Then they can add a page on the lower layer that can induce the user to perform certain actions, potentially tricking the user into performing specific actions.

A success exploitation screenshot:



## Recommendation

**SAir** : 1. Configure Apache to send X-Frame-Options response header on all pages by adding "Header always append X-Frame-Options SAMEORIGIN" to the site configuration. 2. Add "add\_header X-Frame-Options SAMEORIGIN" to the Location section in the Nginx configuration. 3. Configure IIS to send X-Frame-Options response header by adding the following configuration to the Web.config file:

```
<system.webServer>
    ...
    <httpProtocol>
        <customHeaders>
            <add name="X-Frame-Options" value="SAMEORIGIN" />
        </customHeaders>
    </httpProtocol>
    ...
</system.webServer>
```

## Client Response

TBD

# MDP-8:location verification bypass

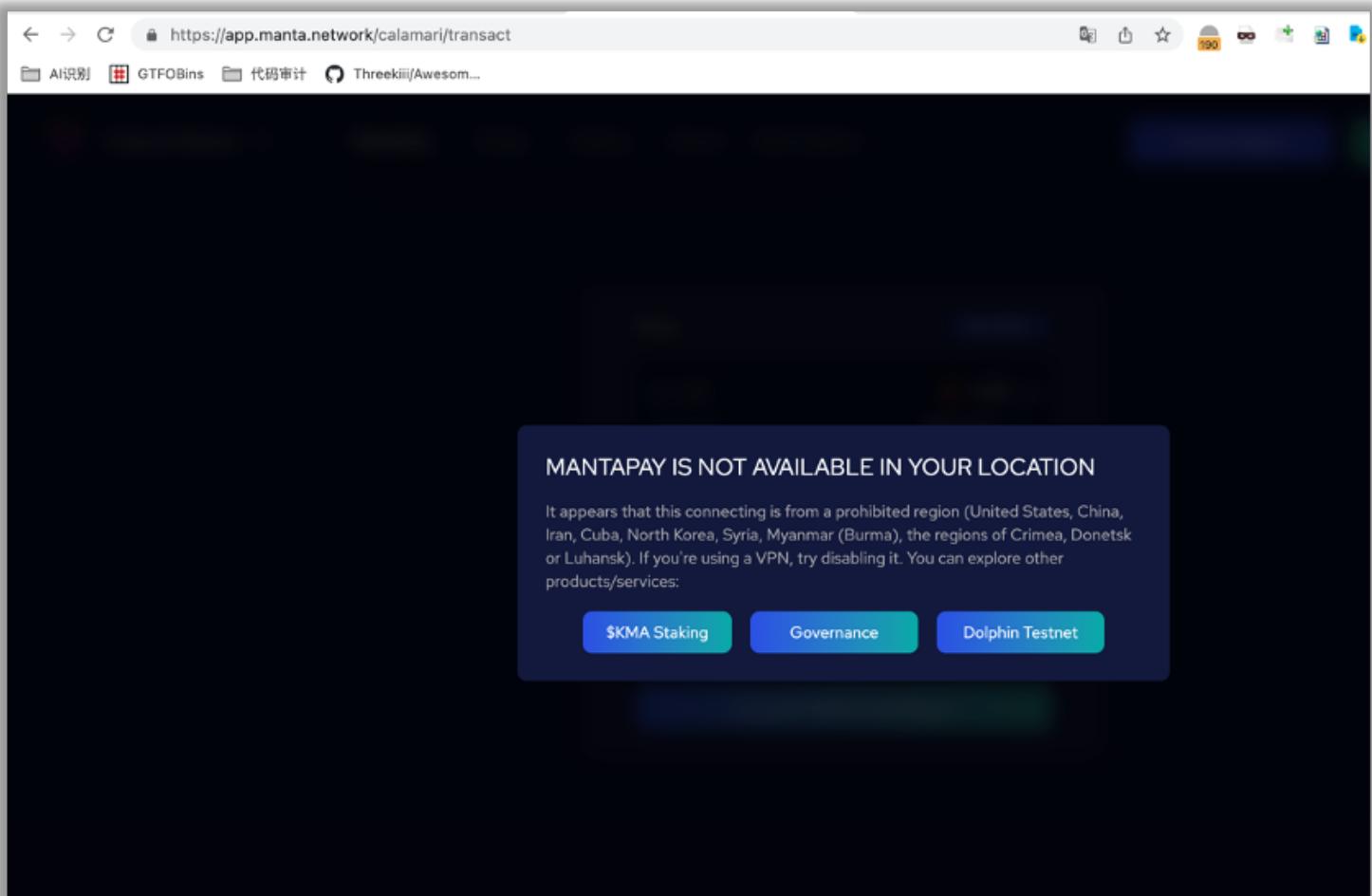
Category	Severity	Assets	Status	Contributor
Logic Vulnerabilities	Low	<ul style="list-style-type: none"><li>• <a href="https://app.manta.network/calamar/i/transact">https://app.manta.network/calamar/i/transact</a></li></ul>	Reported	T0k3n

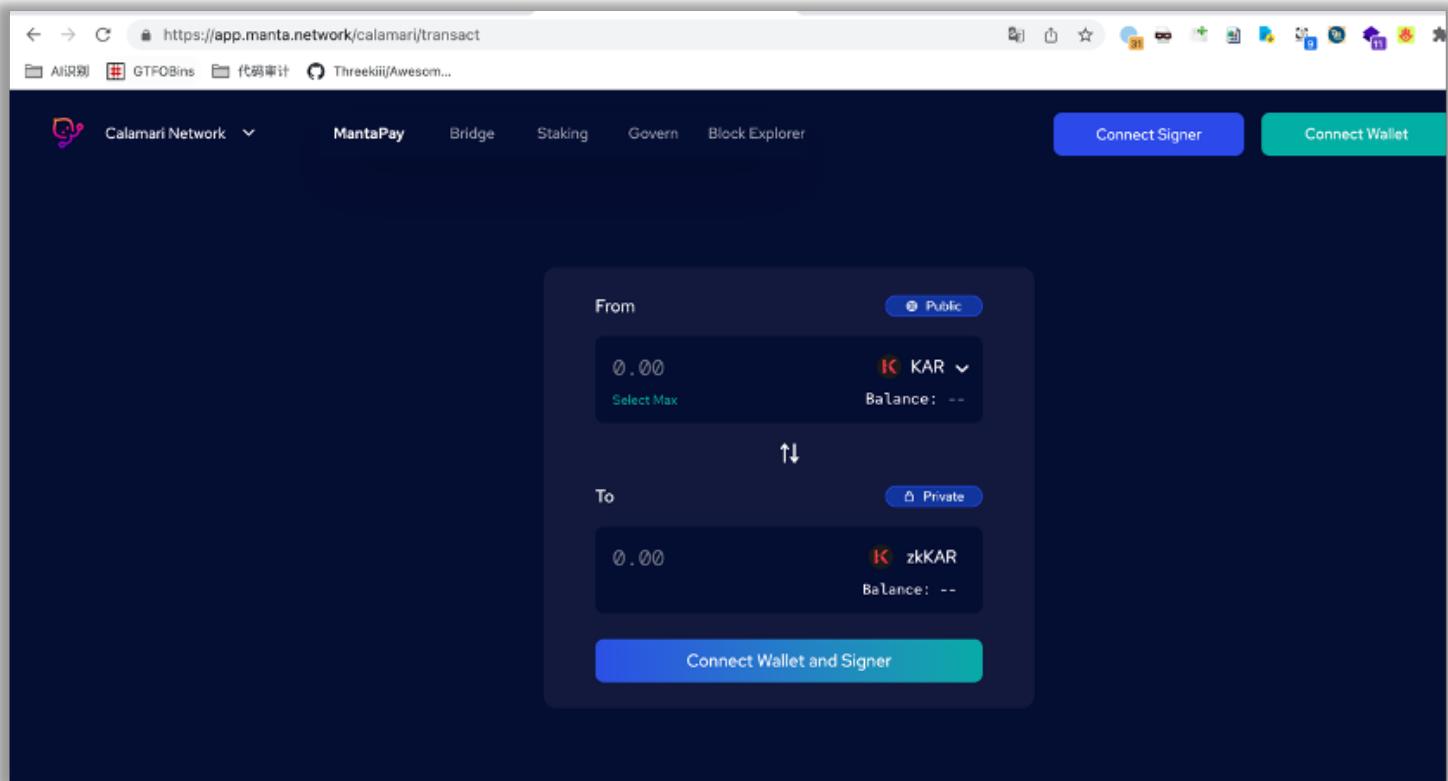
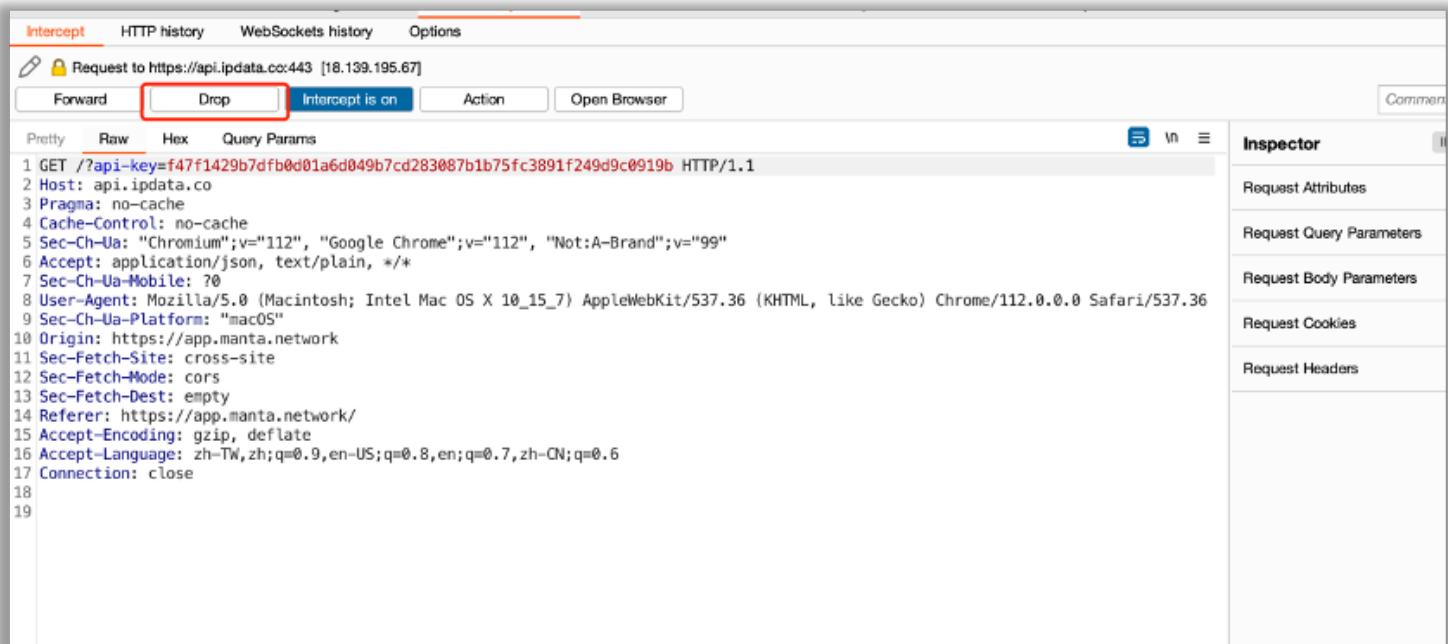
## Description

**T0k3n :** The system accesses api.ipdata.co interface through user explorer JS to obtain user Ip, and filters some populations based on the returned Ip addresses. But if you directly discard the request to obtain the IP address from api.ipdata.co or set the corresponding address of api.ipdata.co to 127.0.0.1 in hosts. You will directly enter the system page. This may violate the original intention of our functional design and be inconsistent with some safety compliance. And this type of request method will leak the third-party API key used by the system.

## Exploit Process

**T0k3n :**





## Recommendation

**T0k3n** : The correct logic should be to obtain the access IP through the system middleware and use a third-party interface to query the IP home location. Finally, return different pages through the visitor's IP.

## Client Response

TBD

# MDP-9:status.manta.net Information leakage exists on the work page

Category	Severity	Assets	Status	Contributor
Information Leakage	Low	• <a href="https://status.manta.net">https://status.manta.net</a>	Reported	s76

## Description

**s76 :** Information leakage means that the website unintentionally discloses sensitive information to users. It may include the following:

Information about other users' private data, financial information, personally identifiable information, etc. Sensitive Business Data Technical details about the website, architecture, such as source code, port, amount, etc.

## Exploit Process

**s76 :**

<https://status.manta.network/>

rubberneck baikal ▾ kusama ▾ kusama-internal ▾ moonsea ▾ polkadot ▾ rococo ▾

sign in

calamari *kusama*infrastructure utilisation: **4.09%**  
active connections: **634**, current capacity: **15,500**daily: €14.41 + \$91.83  
monthly: €432.21 + \$2,754.82

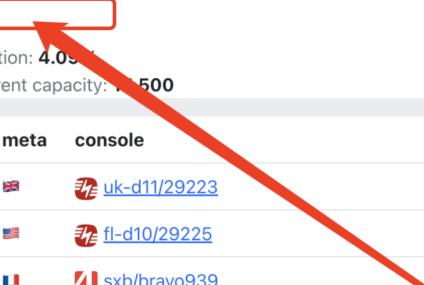
fqdn	metrics	os	disk	clients	roles	meta	console	cost
a1.calamari.systems	37	Ubuntu 20.04 LTS	Normal	100%	100%	100%	uk-d11/29223	6 months: \$389.51
a2.calamari.systems	63	Ubuntu 20.04 LTS	Normal	100%	100%	100%	fl-d10/29225	6 months: \$389.51
a3.calamari.systems	59	Ubuntu 20.04 LTS	Normal	100%	100%	100%	sxb;bravo939	6 months: €245.84
a4.calamari.systems	63	Ubuntu 20.04 LTS	Normal	100%	100%	100%	jp-d17/29731	6 months: \$269.60
avocado.calamari.systems	40	Ubuntu 20.04 LTS	Normal	100%	100%	100%	aws eu-west-2/i-027ab4402d2072dc7	1 year: \$8,527.29
bokkeum.calamari.systems	40	Ubuntu 20.04 LTS	Normal	100%	100%	100%	aws ap-northeast-2/i-0d3888dce5bf47e31	1 year: \$7,456.34
c1.calamari.systems	50	Ubuntu 20.04 LTS	Normal	100%	100%	100%	hel1-dc3/1814728	8 months: €306.39
c2.calamari.systems	50	Ubuntu 20.04 LTS	Normal	100%	100%	100%	fsn1-dc16/1813287	8 months: €306.39
c3.calamari.systems	50	Ubuntu 20.04 LTS	Normal	100%	100%	100%	undefined/22400823	8 months: €527.39
c4.calamari.systems	50	Ubuntu 20.04 LTS	Normal	100%	100%	100%	undefined/22312566	8 months: €535.67
c5.calamari.systems	50	Ubuntu 20.04 LTS	Normal	100%	100%	100%	sg-d41/29005	7 months: \$438.01
f1.calamari.systems	50	Ubuntu 20.04 LTS	Normal	100%	100%	100%	hel1-dc6/1814736	8 months: €306.39
...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...

rubberneck baikal ▾ kusama ▾ kusama-internal ▾ moonsea ▾ polkadot ▾ rococo ▾

sign in

calamari *kusama*infrastructure utilisation: **4.09%**  
active connections: **634**, current capacity: **15,500**daily: €14.41 + \$91.83  
monthly: €432.21 + \$2,754.82

fqdn	metrics	os	disk	clients	roles	meta	console	cost
a1.calamari.systems	37	Ubuntu 20.04 LTS	Normal	100%	100%	100%	uk-d11/29223	6 months: \$389.51
a2.calamari.systems	63	Ubuntu 20.04 LTS	Normal	100%	100%	100%	fl-d10/29225	6 months: \$389.51
a3.calamari.systems	59	Ubuntu 20.04 LTS	Normal	100%	100%	100%	sxb;bravo939	6 months: €245.84
a4.calamari.systems	63	Ubuntu 20.04 LTS	Normal	100%	100%	100%	jp-d17/29731	6 months: \$269.60
avocado.calamari.systems	40	Ubuntu 20.04 LTS	Normal	100%	100%	100%	aws eu-west-2/i-027ab4402d2072dc7	1 year: \$8,527.29
bokkeum.calamari.systems	40	Ubuntu 20.04 LTS	Normal	100%	100%	100%	aws ap-northeast-2/i-0d3888dce5bf47e31	1 year: \$7,456.34



```
"id": "i-05d6f022a793c4462",
"ami": "ami-0f7b49dc4bc2b14cf",
"machine": "r5d.large",
"launch": "2021-12-22T20:51:56.000Z",
"region": "me-south-1",
"ip": "157.175.186.120",
"state": "running",
"arch": "x86_64",
"hostname": "frohlikha",
"domain": "baikal.manta.systems",
"fqdn": "frohlikha.baikal.manta.systems",
"profile": "dev",
"utility": "baikal"
},
{
    "id": "i-0b66d41335431c990",
    "ami": "ami-0f7b49dc4bc2b14cf",
    "machine": "r5d.large",
    "launch": "2021-12-22T22:20:22.000Z",
    "region": "me-south-1",
    "ip": "157.175.194.147",
    "state": "running",
    "arch": "x86_64",
    "hostname": "olkhon",
    "domain": "baikal.manta.systems",
    "fqdn": "olkhon.baikal.manta.systems",
    "profile": "dev",
    "utility": "baikal"
}
```

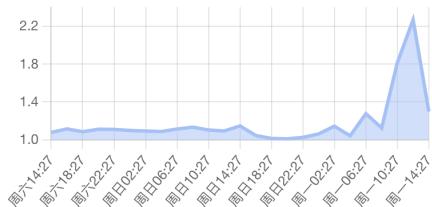
Server port status, etc.

- subject(s):
  - f1.dolphin.engineering

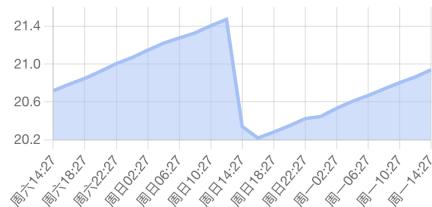
## metrics

node nginx

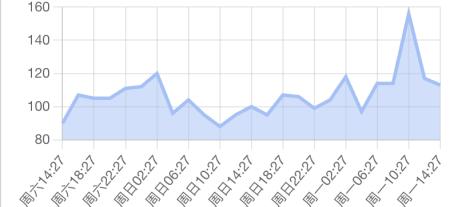
cpu usage (%)



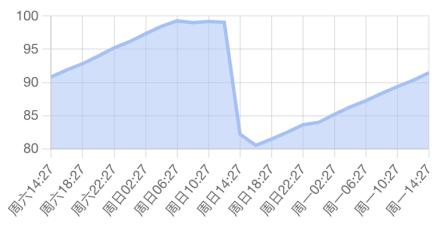
disk usage (%)



established tcp connections



memory usage (%)



## Recommendation

s76 : 1. Please confirm whether the website needs to be opened on the public network. This page is a webmaster service, users do not have permission to access

## Client Response

TBD

## Disclaimer

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