CYBER INCIDENTS RESPONSE OPERATIONAL CENTRE OF THE STATE CYBER PROTECTION CENTRE OF THE STATE SERVICE OF SPECIAL COMMUNICATION AND INFORMATION PROTECTION OF UKRAINE



### REPORT

ON VULNERABILITY DETECTION AND CYBER INCIDENTS/ CYBER ATTACKS RESPONSE SYSTEM

TLP:WHITE

### VULNERABILITY DETECTION AND CYBER INCIDENTS/CYBER ATTACKS RESPONSE SYSTEM

is a set of software and software-hardware tools that ensure round-the-clock monitoring, analysis and transferring of telemetric information about cyber incidents and cyber attacks which occurred or are currently occurring at cyber protection objects and may have negative impact on their sustainable functioning. 20

### SUBSYSTEM OF • CYBER INCIDENTS RESPONSE OPERATIONAL CENTRE

is a central component of the <u>Vulnerability Detection and Cyber Incidents/Cyber Attacks</u> <u>Response System</u> and provides:

 centralized management of all subsystems of the Vulnerability Detection and Cyber Incidents/Cyber Attacks Response System;

 centralized collection and accumulation of information about network information security events;

• real-time monitoring and processing of cyber threats and cyber incidents.

The Subsystem of Cyber Incidents Response Operational Centre detects malicious activity, as well as system and network anomalies at cyber protection objects by analysing the data, which is received from network devices (active sensors, firewalls, vulnerability scanners), workstations and servers, authorization systems, internal and external cyber threats data sources.

### MONITORING STATISTICS

QUANTITATIVE INDICATORS OF COLLECTED AND PROCESSED DATA



## IS EVENTS MONITORING

QUANTITATIVE INDICATORS OF COLLECTED AND PROCESSED DATA

**Incident Classification Taxonomy** displayed according to approved by the National Coordination Center for Cybersecurity under the National Security and Defense Council of Ukraine 02 Malicious Code 03 Information Gathering 04 Intrusion Attempts 10 Other 08 Fraud 07 Information Content Security 06 Availability 09 Vulnerable ■ 05 Intrusion 01 Abusive Content 个18.3,个2.2 by such amount of % accordingly the number of IS events in categories «02 Malicious Code», «03 Information Gathering» increased (comparing to the same time period during 2021)

the chart displays top 10 ASN (in percent ratio), the dominant number of IP addresses of which were identified as active scanning sources for the reporting period



#### Top 10 source IPs

the chart displays top 10 IP addresses (in percent ratio), which were identified as active scanning sources for the reporting period

src	src country	AS NUMBER	AS NAME	%
45.93.16.71	Germany	AS23470	ReliableSite	0,40
206.189.5.99	Netherlands	AS14061	DIGITALOCEAN-ASN	0,38
89.248.165.199	Netherlands	AS202425	IP Volume inc	0,32
72.167.32.184	United States	AS398101	GoDaddy	0,31
185.156.73.91	russian federation	AS44446	000 SibirInvest	0,30
97.74.81.123	Singapore	AS26496	GoDaddy	0,29
60.161.81.116	China	AS4134	Chinanet	0,26
93.174.93.227	Netherlands	AS202425	IP Volume inc	0,23
146.88.240.4	United States	AS20052	NETSCOUT Arbor	0,22
45.143.200.114	russian federation	AS212283	Roza Holidays Eood	0,21



## 87 389

unique suspicious files were automatically detected during the reporting period by the Subsystems of the Vulnerability Detection and Cyber Incidents/Cyber Attacks Response System



2022





#### By associated software, used as a malware distribution channel









presented charts display statistical information for the reporting period, obtained by analysing IS events, which were triggered by intrusion attempts of all priorities targeted on the networks of cyber protection objects and the realization of cyber threats with the aim of detecting software vulnerabilities, finding misconfigurations of services and active network devices

Top exploited vulnerabilities by year

#### **Qualitative rating by CVSS Base Score**

according to the approach of comparing CVSS Base Scores (1-10) to a qualitative rating scale, described in <u>CVSSv3.1 specification</u>



#### **Top 10 exploited vulnerabilities**





## GEOGRAPHY OF DETECTIONS

OF CRITICAL INFORMATION SECURITY EVENTS \*

# 个26%

by such amount of % the number of critical IS events were detected, that originate from russian IP addresses (comparing to the same time period during 2021)



\*automatically determined geolocation of source IP addresses of critical IS events does not necessarily mean their attribution to the identified location

### CONTACTS



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