International Telecommunication Union

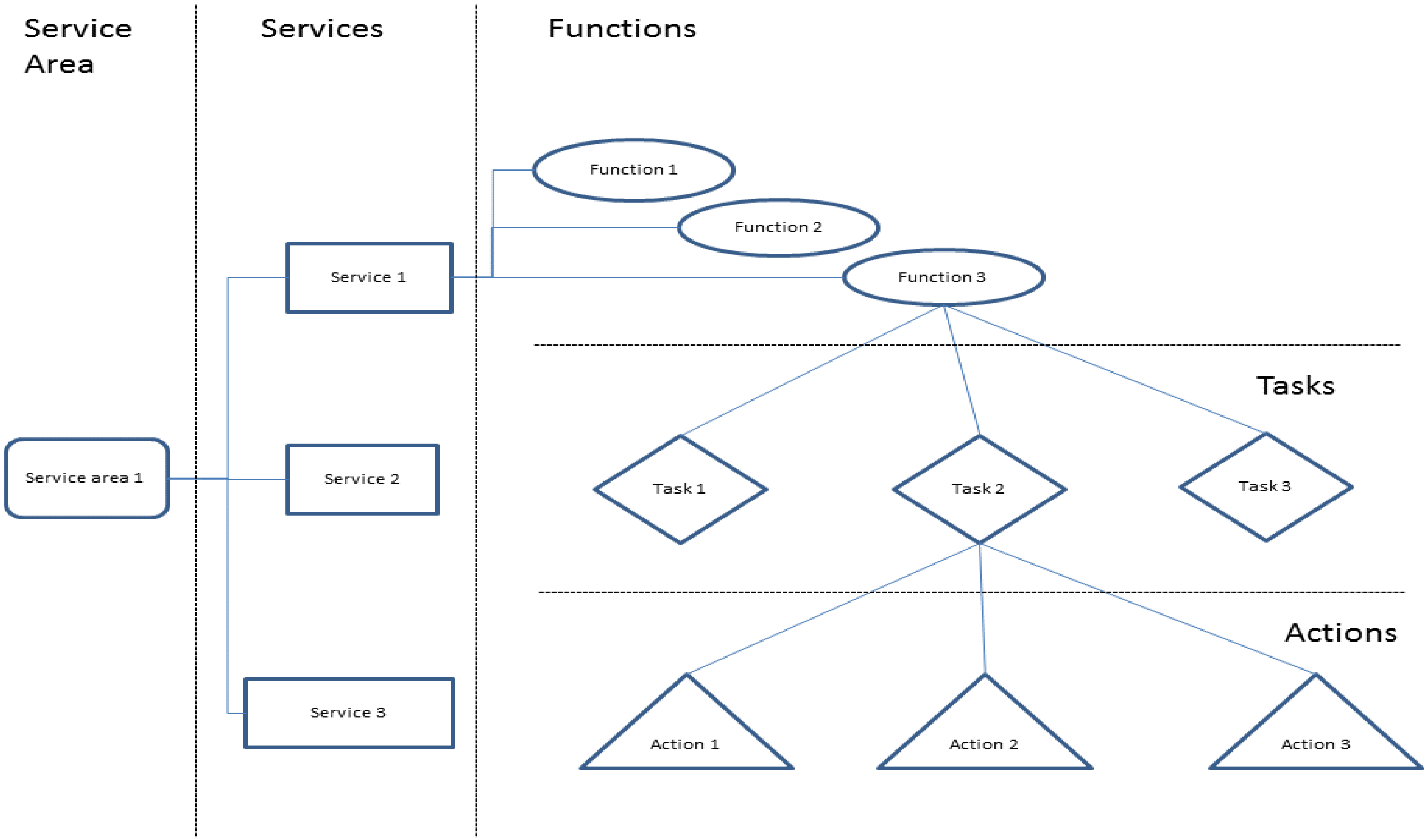
ORGANISATION INTERNATIONALE DE la francophonie

AfricaCERT
United in promoting cyber security in Africa

Resources of CSIRT (Tools and Services of CIRT/CSIRT)

FIRST Services

Security Incident Response Team (SIRT) Services Framework.



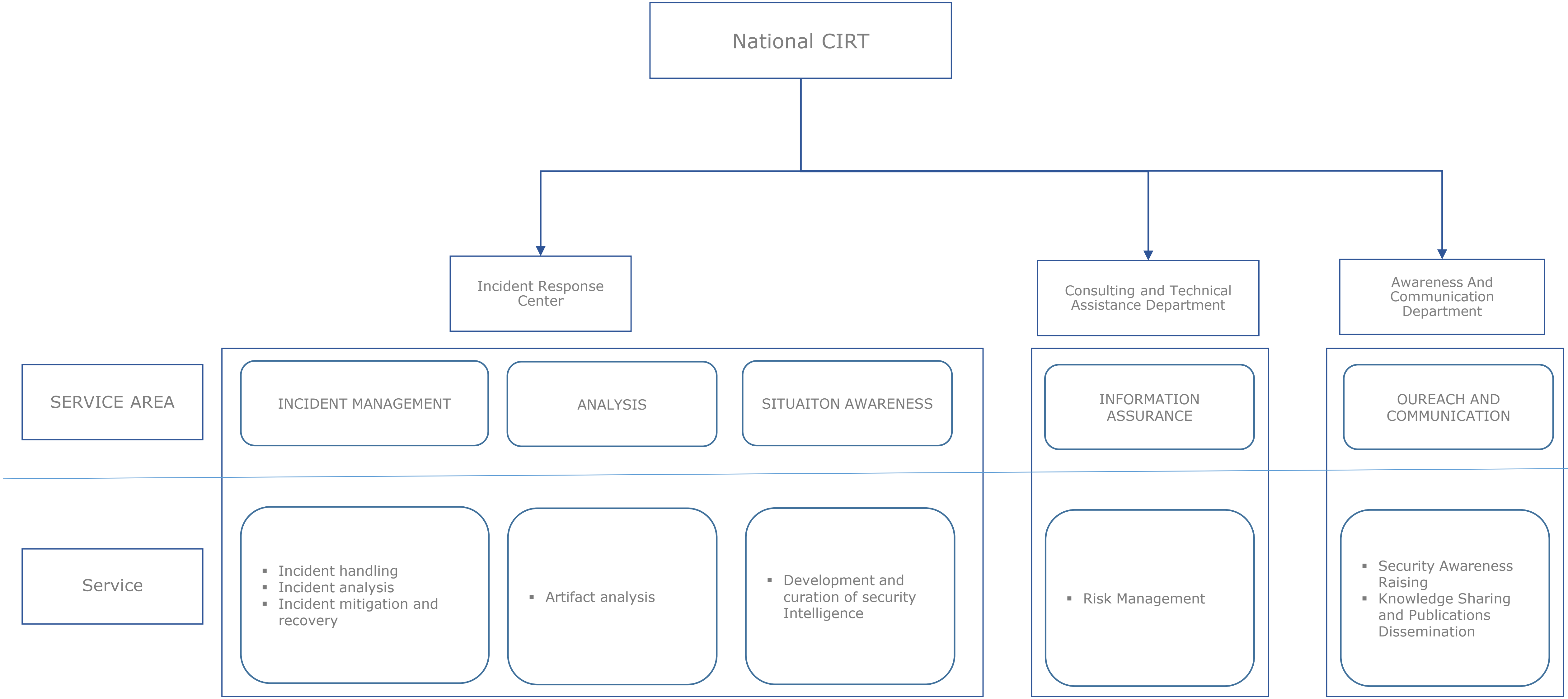
Security Incident Response Team (SIRT) Services Framework.

Services Area	Service
Incident management	Incident handling Incident Analysis Incident Mitigation and recovery
Analysis	Artifact Analysis Media Analysis Vulnerability / Exploitation Analysis
Information assurance	Risk Management Compliance Management Operating Policies Support Business Continuity and Disaster Recovery Planning Support Technical Security Support Patch management
Situational Awareness	Sensor Operation Fusion and Correlation Development and Curation of Security Intelligence
Outreach/ Communications	Security Awareness Raising Cybersecurity Strategic Policy Advisement Knowledge Sharing and Publications Dissemination
Capability Development	Organizational Metrics Training and Education Conducting Exercises Technical Advice Lesson learned analysis Development of Vulnerability Discovery/Analysis/Remediation/Root Cause Analysis Development of processes for Gathering/Fusing/Correlating Security Intelligence Development of Tools

SALAMA

SLAMA CIRT
Services

The Basic Services Offered by a National CIRT



National CIRT

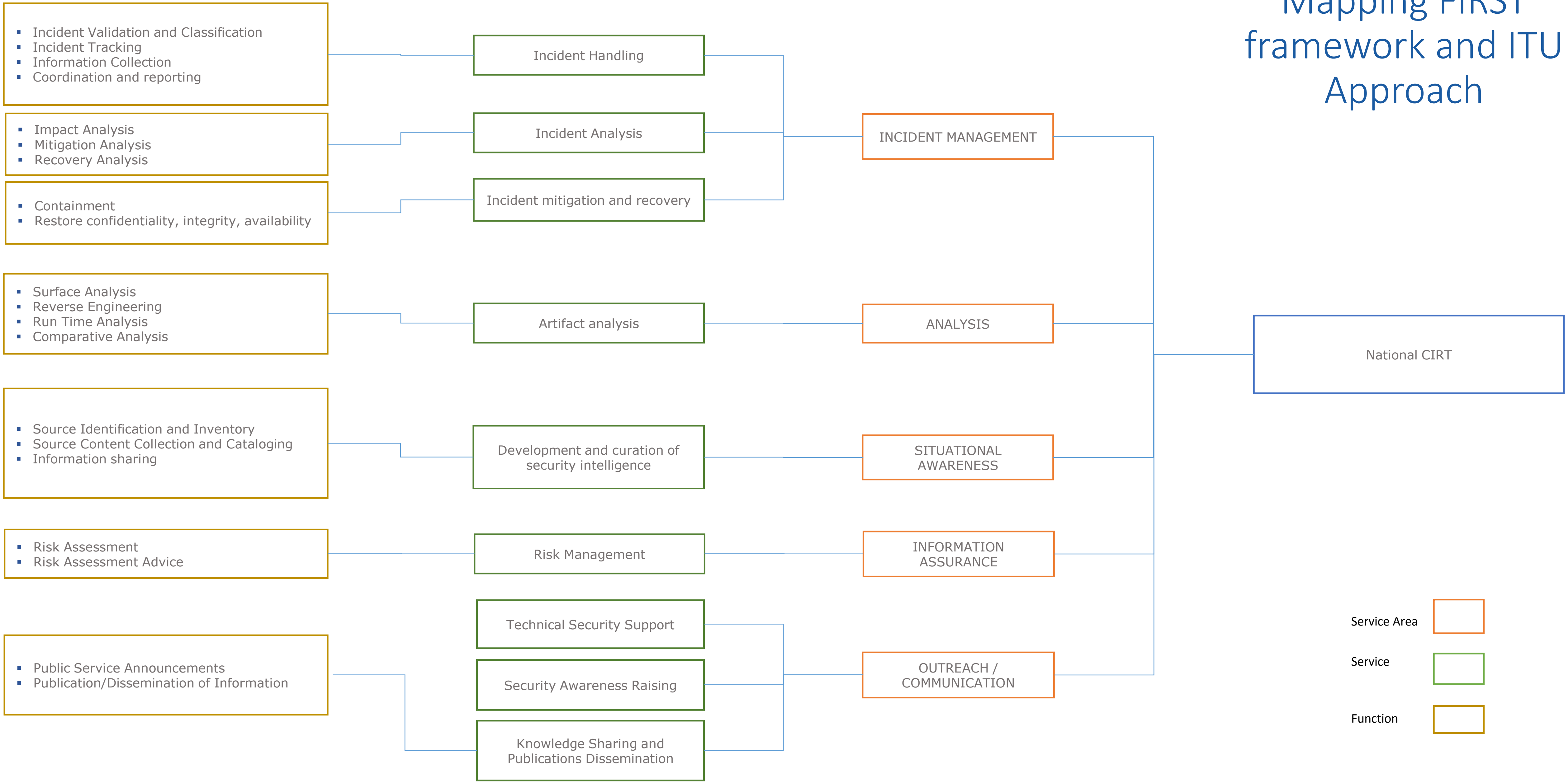
Incident Response Center

Consulting and Technical Assistance Department

Awareness And Communication Department

SERVICE AREA	INCIDENT MANAGEMENT	ANALYSIS	SITUAITON AWARENESS	INFORMATION ASSURANCE	OUREACH AND COMMUNICATION
Service	▪ Incident handling ▪ Incident analysis ▪ Incident mitigation and recovery	▪ Artifact analysis	▪ Development and curation of security Intelligence	▪ Risk Management	▪ Security Awareness Raising ▪ Knowledge Sharing and Publications Dissemination

Mapping FIRST framework and ITU Approach



National CIRT

- INCIDENT MANAGEMENT
  - Incident Handling
    - Incident Validation and Classification
    - Incident Tracking
    - Information Collection
    - Coordination and reporting
  - Incident Analysis
    - Impact Analysis
    - Mitigation Analysis
    - Recovery Analysis
  - Incident mitigation and recovery
    - Containment
    - Restore confidentiality, integrity, availability
- ANALYSIS
  - Artifact analysis
    - Surface Analysis
    - Reverse Engineering
    - Run Time Analysis
    - Comparative Analysis
- SITUATIONAL AWARENESS
  - Development and curation of security intelligence
    - Source Identification and Inventory
    - Source Content Collection and Cataloging
    - Information sharing
- INFORMATION ASSURANCE
  - Risk Management
    - Risk Assessment
    - Risk Assessment Advice
- OUTREACH / COMMUNICATION
  - Technical Security Support
  - Security Awareness Raising
  - Knowledge Sharing and Publications Dissemination
    - Public Service Announcements
    - Publication/Dissemination of Information

Service Area 🟧

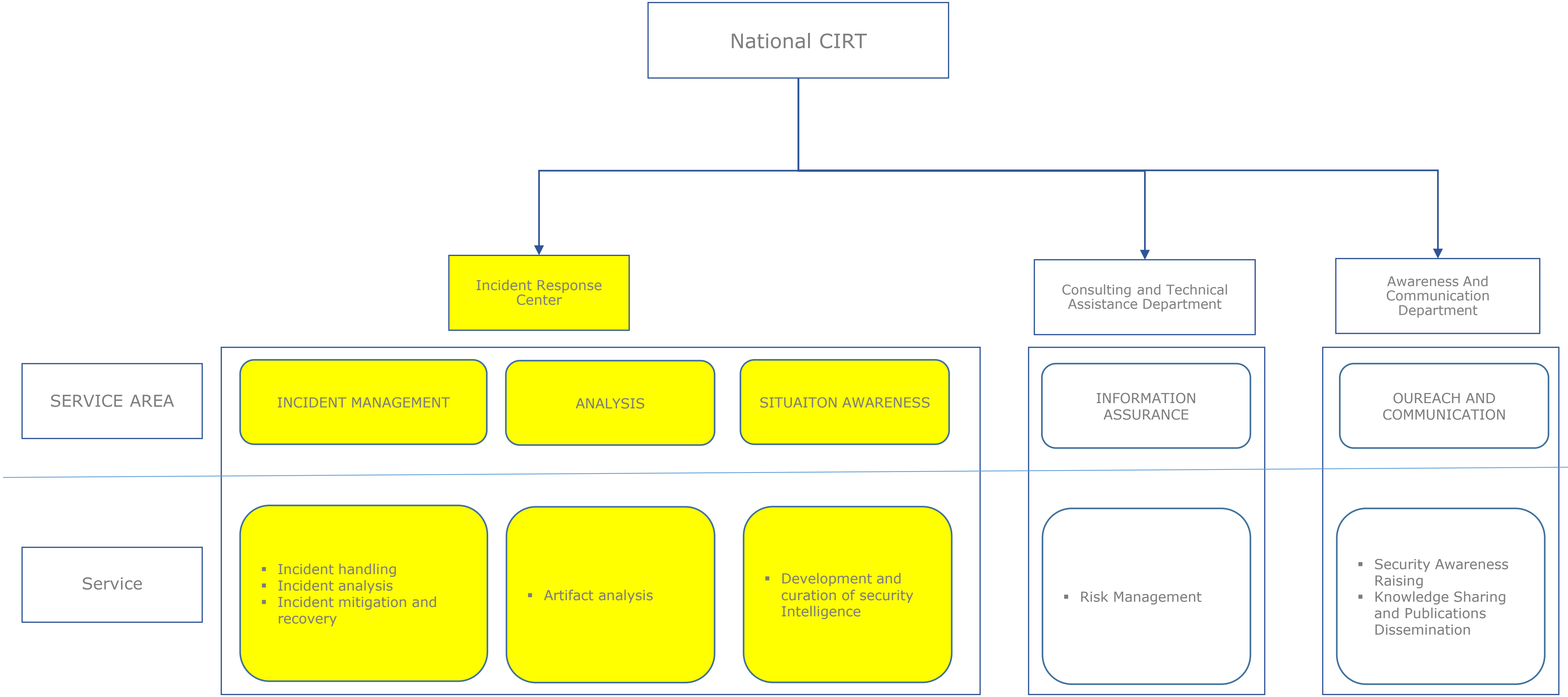
Service 🟩

Function 🟨

SLAMA CIRT

Tools

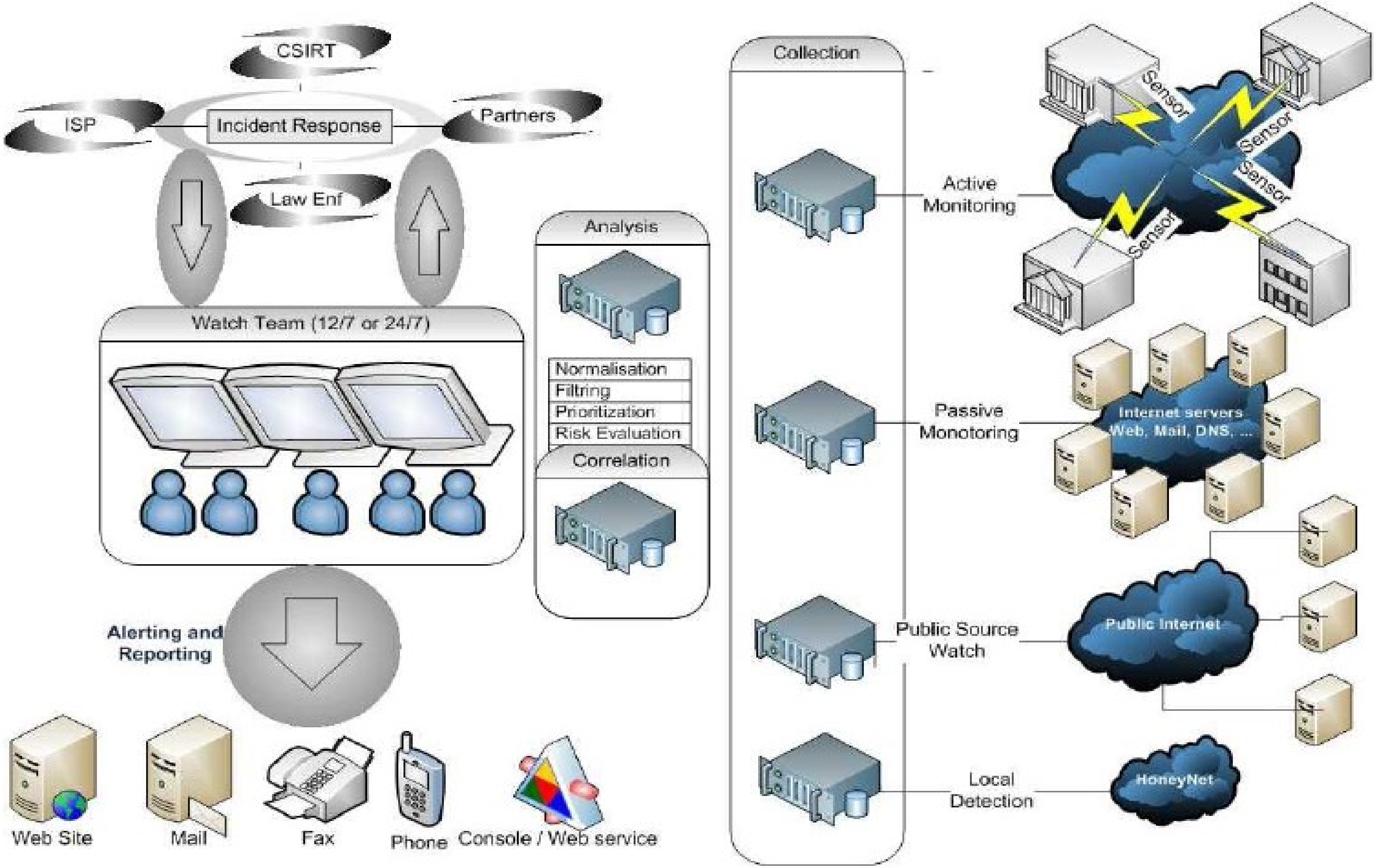
The Basic Services Offered by a National CIRT



National CIRT

	Incident Response Center			Consulting and Technical Assistance Department	Awareness And Communication Department
SERVICE AREA	INCIDENT MANAGEMENT	ANALYSIS	SITUAITON AWARENESS	INFORMATION ASSURANCE	OUREACH AND COMMUNICATION
Service	▪ Incident handling ▪ Incident analysis ▪ Incident mitigation and recovery	▪ Artifact analysis	▪ Development and curation of security Intelligence	▪ Risk Management	▪ Security Awareness Raising ▪ Knowledge Sharing and Publications Dissemination

Cyber Threat Intelligence System

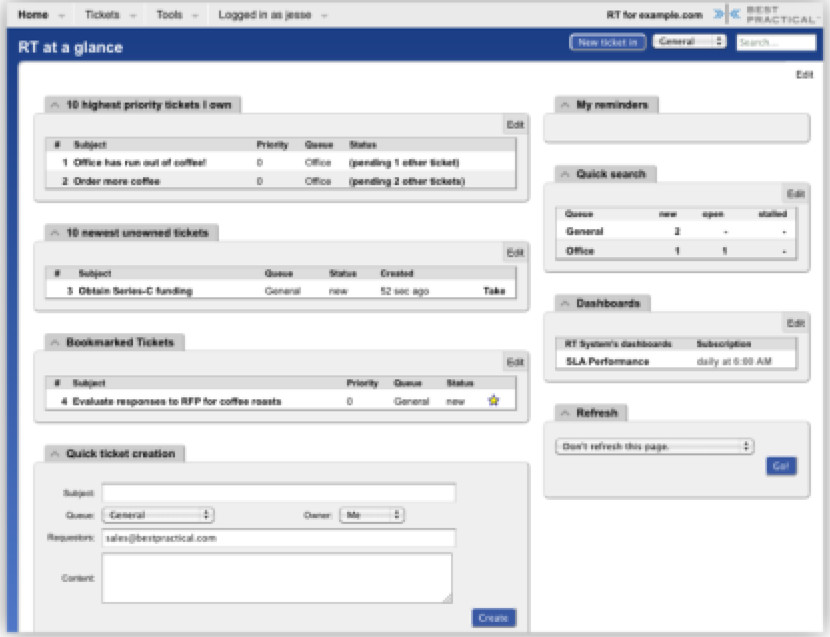


Alerting and Reporting

Request Tracker for Incident Response (RTIR)

BEST PRACTICAL™

- https://www.bestpractical.com/rtir
- Purposely-built for CSIRT
- Developed in cooperation with many security teams to ensure it meets the needs of incident response.



10 highest priority tickets I own

#	Subject	Priority	Queue	Status
1	Office has run out of coffee!	0	Office	(pending 1 other ticket)
2	Order more coffee	0	Office	(pending 2 other tickets)

10 newest unowned tickets

#	Subject	Queue	Status	Created	
3	Obtain Series-C funding	General	new	52 sec ago	Take

Bookmarked Tickets

#	Subject	Priority	Queue	Status	
4	Evaluate responses to RFP for coffee roasts	0	General	new	★

Quick ticket creation

Subject:

Queue: General

Owner: Me

Requestors: sales@bestpractical.com

Content:

My reminders

Quick search

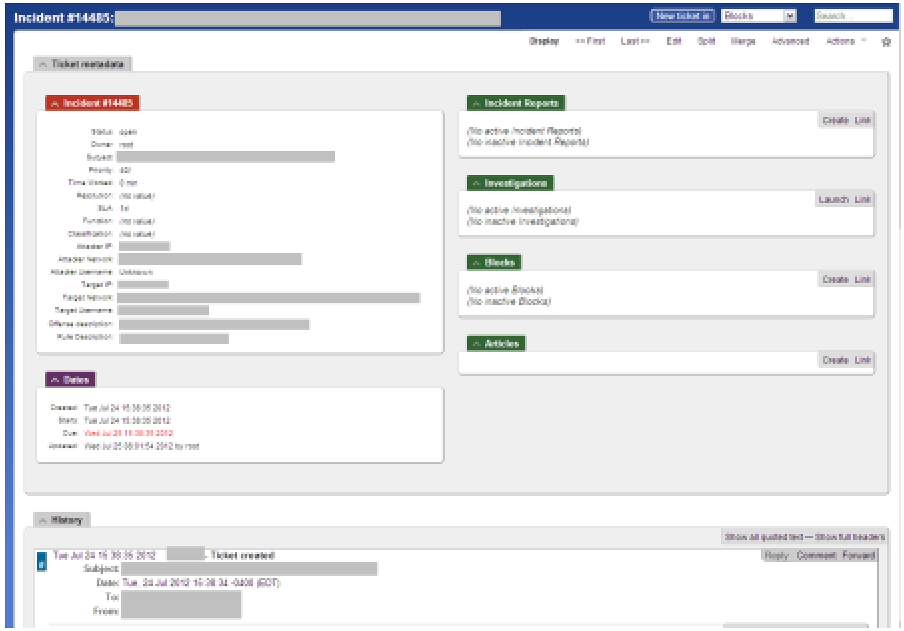
Queue	new	open	stalled
General	2	-	-
Office	1	1	-

Dashboards

RT System's dashboards	Subscription
SLA Performance	daily at 6:00 AM

Refresh

Don't refresh this page.



Incident #14485: [redacted]

Incident #14485

Status: open
Owner: root
Subject: [redacted]
Priority: 40
Time Worked: 0 min
Resolution: (no value)
SLA: 1d
Function: (no value)
Classification: (no value)
Attacker IP: [redacted]
Attacker Network: [redacted]
Attacker Username: Unknown
Target IP: [redacted]
Target Network: [redacted]
Target Username: [redacted]
Offense description: [redacted]
Rule Description: [redacted]

Dates

Created: Tue Jul 24 15:38:35 2012
Starts: Tue Jul 24 15:38:35 2012
Due: Wed Jul 25 15:38:35 2012
Updated: Wed Jul 25 08:01:54 2012 by root

Incident Reports

(No active Incident Reports)
(No inactive Incident Reports)

Investigations

(No active Investigations)
(No inactive Investigations)

Blocks

(No active Blocks)
(No inactive Blocks)

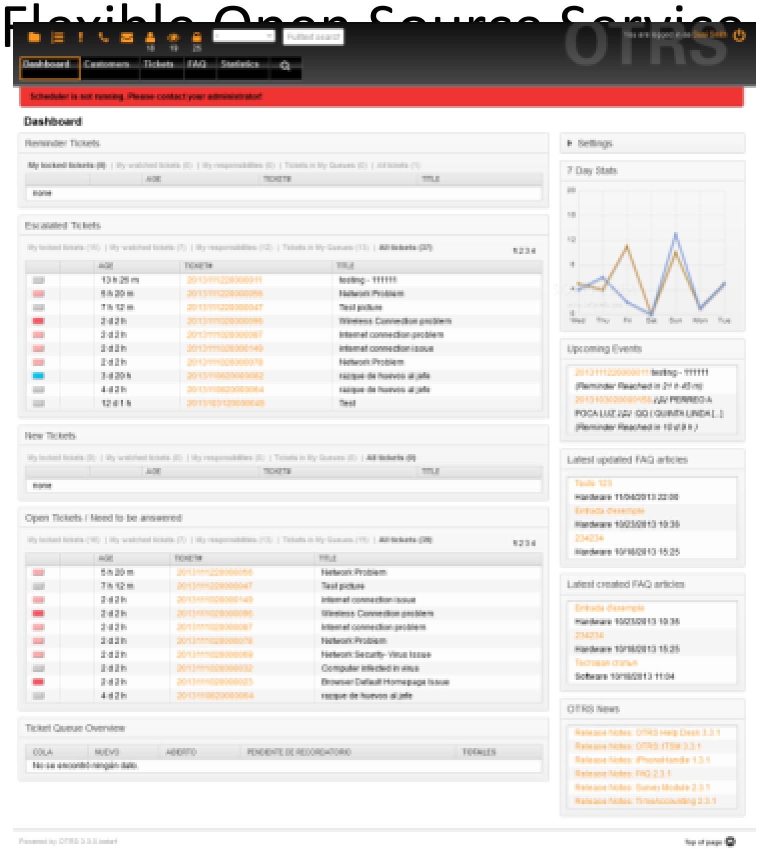
Articles

Tue Jul 24 15:38:35 2012 [redacted] - Ticket created
Subject: [redacted]
Date: Tue, 24 Jul 2012 15:38:34 -0400 (EDT)
To:
From: [redacted]

Alerting and Reporting

Open Technology Real Services (OTRS)

- http://www.otrs.com/software
- The Flexible Open Source Service Management Software



Scheduler is not running. Please contact your administrator!

Dashboard

Reminder Tickets

My locked tickets (0) | My watched tickets (0) | My responsibilities (0) | Tickets in My Queues (0) | All tickets (1)

	AGE	TICKET#	TITLE
none			

Escalated Tickets

My locked tickets (16) | My watched tickets (7) | My responsibilities (12) | Tickets in My Queues (13) | All tickets (37)

1 2 3 4

	AGE	TICKET#	TITLE
	13 h 29 m	[illegible]	testing - 111111
	5 h 20 m	[illegible]	Network Problem
	7 h 12 m	[illegible]	Test picture
	2 d 2 h	[illegible]	Wireless Connection problem
	2 d 2 h	[illegible]	Internet connection problem
	2 d 2 h	[illegible]	internet connection issue
	2 d 2 h	[illegible]	Network Problem
	3 d 20 h	[illegible]	racque de huevos al jefe
	4 d 2 h	[illegible]	racque de huevos al jefe
	12 d 1 h	[illegible]	Test

New Tickets

My locked tickets (0) | My watched tickets (0) | My responsibilities (0) | Tickets in My Queues (0) | All tickets (0)

	AGE	TICKET#	TITLE
none			

Open Tickets / Need to be answered

My locked tickets (16) | My watched tickets (7) | My responsibilities (13) | Tickets in My Queues (15) | All tickets (29)

1 2 3 4

	AGE	TICKET#	TITLE
	5 h 20 m	[illegible]	Network Problem
	7 h 12 m	[illegible]	Test picture
	2 d 2 h	[illegible]	internet connection issue
	2 d 2 h	[illegible]	Wireless Connection problem
	2 d 2 h	[illegible]	Internet connection problem
	2 d 2 h	[illegible]	Network Problem
	2 d 2 h	[illegible]	Network Security- Virus Issue
	2 d 2 h	[illegible]	Computer infected in virus
	2 d 2 h	[illegible]	Browser Default Homepage Issue
	4 d 2 h	[illegible]	racque de huevos al jefe

Ticket Queue Overview

COLA	NUEVO	ABIERTO	PENDIENTE DE RECORDATORIO	TOTALES
No se encontró ningún dato.				

7 Day Stats

Upcoming Events

[illegible] testing - 111111 (Reminder Reached in 21 h 45 m)
[illegible] ¡¡¡AY PERREO A POCA LUZ ¡¡¡AY OO (QUINTA LINEA [...] (Reminder Reached in 10 d 8 h)

Latest updated FAQ articles

Teste 123
Hardware 11/04/2013 22:00
Entrada d'exemple
Hardware 10/23/2013 10:35
234234
Hardware 10/16/2013 15:25

Latest created FAQ articles

Entrada d'exemple
Hardware 10/23/2013 10:35
234234
Hardware 10/16/2013 15:25
Тестовая статья
Software 10/16/2013 11:04

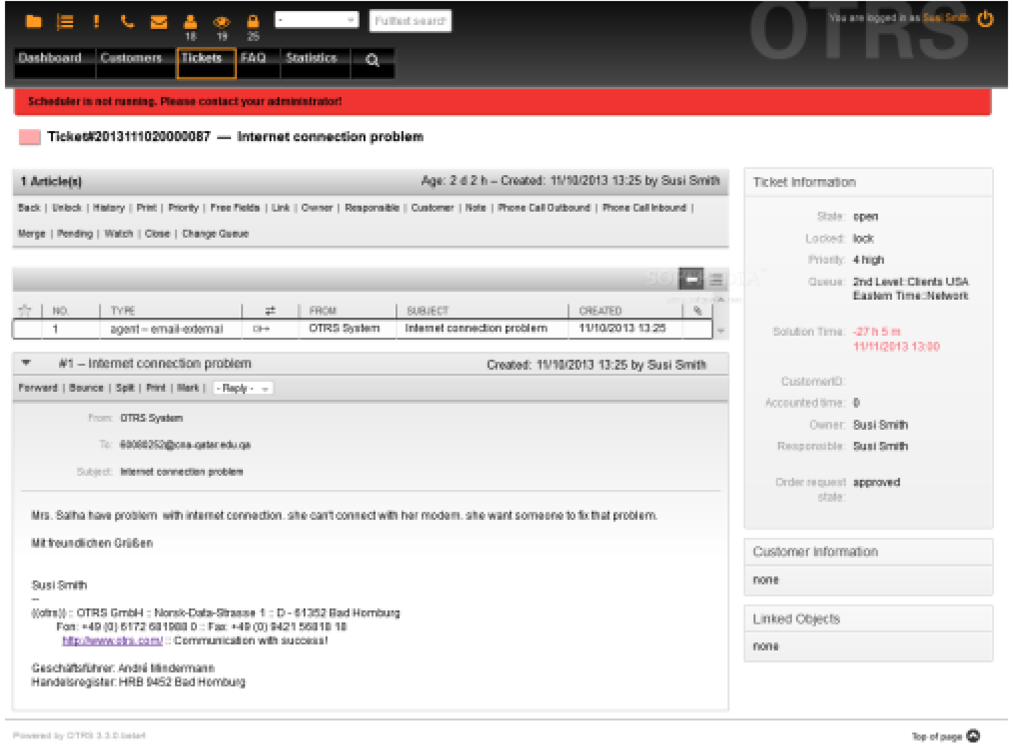
OTRS News

Release Notes: OTRS Help Desk 3.3.1
Release Notes: OTRS ITSM 3.3.1
Release Notes: iPhoneHandle 1.3.1
Release Notes: FAQ 2.3.1
Release Notes: Survey Module 2.3.1
Release Notes: TimeAccounting 2.3.1

Powered by OTRS 3.3.0.beta4

Top of page

Dashboard



Scheduler is not running. Please contact your administrator!

Ticket#2013111020000087 — Internet connection problem

1 Article(s) Age: 2 d 2 h – Created: 11/10/2013 13:25 by Susi Smith

Back | Unlock | History | Print | Priority | Free Fields | Link | Owner | Responsible | Customer | Note | Phone Call Outbound | Phone Call Inbound | Merge | Pending | Watch | Close | Change Queue

	NO.	TYPE	⇄	FROM	SUBJECT	CREATED
	1	agent – email-external		OTRS System	Internet connection problem	11/10/2013 13:25

#1 – Internet connection problem Created: 11/10/2013 13:25 by Susi Smith

Forward | Bounce | Split | Print | Mark | - Reply -

From: OTRS System
To: 60060252@cna-qatar.edu.qa
Subject: Internet connection problem

Mrs. Salha have problem with internet connection. she can't connect with her modem. she want someone to fix that problem.

Mit freundlichen Grüßen

Susi Smith
--
((otrs)) :: OTRS GmbH :: Norsk-Data-Strasse 1 :: D - 61352 Bad Homburg
Fon: +49 (0) 6172 681988 0 :: Fax: +49 (0) 9421 56818 18
http://www.otrs.com/ :: Communication with success!

Geschäftsführer: André Mindermann
Handelsregister: HRB 9452 Bad Homburg

Ticket Information

State: open
Locked: lock
Priority: 4 high
Queue: 2nd Level::Clients USA Eastern Time::Network
Solution Time: -27 h 5 m 11/11/2013 13:00
CustomerID:
Accounted time: 0
Owner: Susi Smith
Responsible: Susi Smith
Order request state: approved

Customer Information

none

Linked Objects

none

Powered by OTRS 3.3.0.beta4

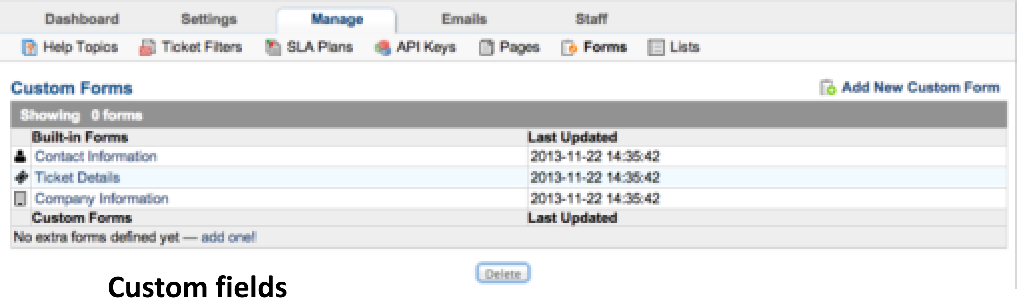
Top of page

Tickets

Alerting and Reporting

osTicket

- http://osticket.com

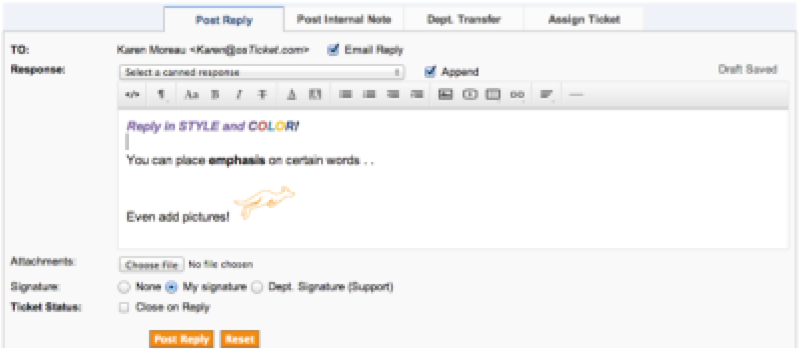


Custom Forms

Showing 0 forms

	Built-in Forms	Last Updated
	Contact Information	2013-11-22 14:35:42
	Ticket Details	2013-11-22 14:35:42
	Company Information	2013-11-22 14:35:42
	Custom Forms	Last Updated
	No extra forms defined yet — add one!	

Custom fields



TO: Karen Moreau <Karen@osTicket.com> ☑ Email Reply

Response: Select a canned response ☑ Append Draft Saved

Reply in STYLE and COLOR!

You can place **emphasis** on certain words . .

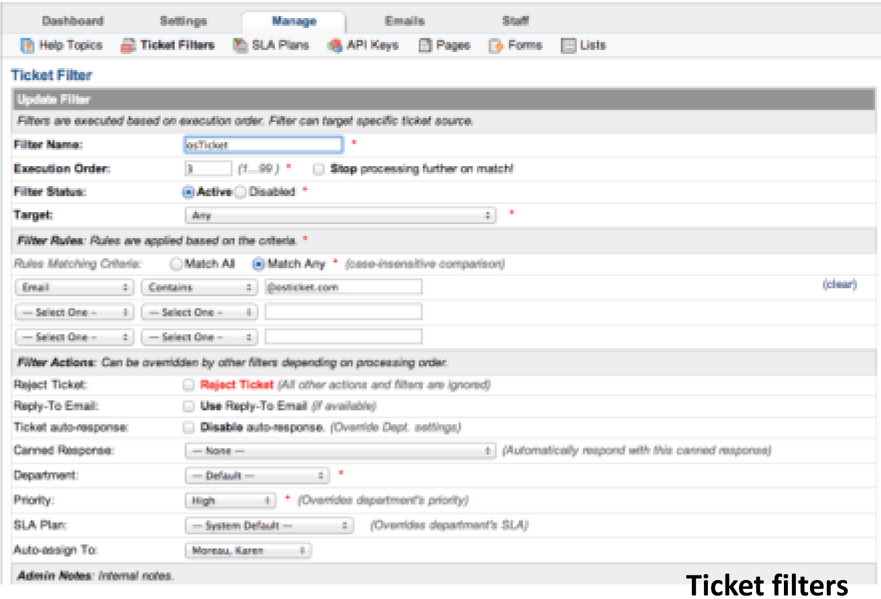
Even add pictures!

Attachments: No file chosen

Signature: ○ None ● My signature ○ Dept. Signature (Support)

Ticket Status: □ Close on Reply

Rich HTML



Ticket Filter

Update Filter

Filters are executed based on execution order. Filter can target specific ticket source.

Filter Name: osTicket *

Execution Order: 3 (1...99) * □ **Stop** processing further on match!

Filter Status: ● Active ○ Disabled *

Target: Any *

***Filter Rules**: Rules are applied based on the criteria.* *

Rules Matching Criteria: ○ Match All ● Match Any * *(case-insensitive comparison)*

Email | Contains | @osticket.com

— Select One – | — Select One – |

— Select One – | — Select One – |

***Filter Actions**: Can be overridden by other filters depending on processing order.*

Reject Ticket: □ **Reject Ticket** *(All other actions and filters are ignored)*

Reply-To Email: □ **Use** Reply-To Email *(if available)*

Ticket auto-response: □ **Disable** auto-response. *(Override Dept. settings)*

Canned Response: — None — *(Automatically respond with this canned response)*

Department: — Default — *

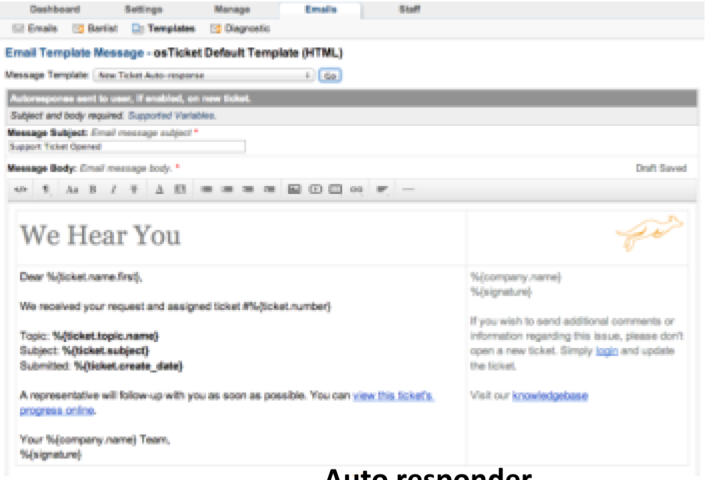
Priority: High * *(Overrides department's priority)*

SLA Plan: — System Default — *(Overrides department's SLA)*

Auto-assign To: Moreau, Karen

***Admin Notes**: Internal notes.*

Ticket filters



Email Template Message - osTicket Default Template (HTML)

Message Template: New Ticket Auto-response

Autoresponse sent to user, if enabled, on new ticket.

Subject and body required. Supported Variables.

Message Subject: *Email message subject* *

Support Ticket Opened

Message Body: *Email message body.* *

We Hear You

Dear %{ticket.name.first},

We received your request and assigned ticket #%{ticket.number}

Topic: **%{ticket.topic.name}**
Subject: **%{ticket.subject}**
Submitted: **%{ticket.create_date}**

A representative will follow-up with you as soon as possible. You can view this ticket's progress online.

Your %{company.name} Team,
%{signature}

%{company.name}
%{signature}

If you wish to send additional comments or information regarding this issue, please don't open a new ticket. Simply login and update the ticket.

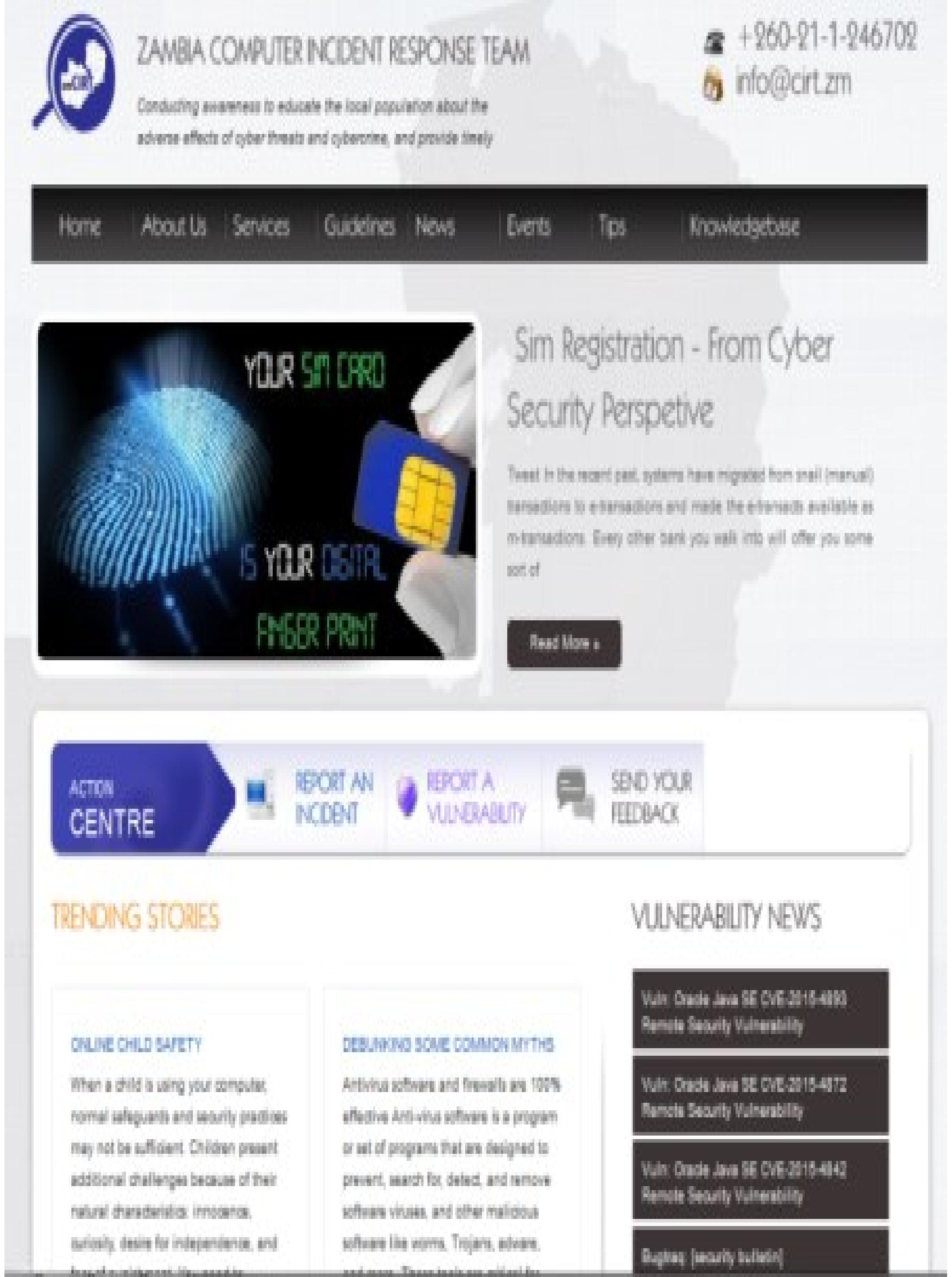
Visit our knowledgebase

Auto responder

Alerting and Reporting

CSIRT Portal

- Focal point where people will go and look for information on the CSIRT
- The portal will facilitate the distribution of information to the constituents.
- It will display latest security news, vulnerability news, advisories, etc.



Conducting awareness to educate the local population about the adverse effects of cyber threats and cybercrime, and provide timely

Sim Registration - From Cyber Security Perspetive

Tweet In the recent past, systems have migrated from snail (manual) transactions to e-transactions and made the e-transacts available as m-transactions. Every other bank you walk into will offer you some sort of

TRENDING STORIES

ONLINE CHILD SAFETY

When a child is using your computer, normal safeguards and security practices may not be sufficient. Children present additional challenges because of their natural characteristics: innocence, curiosity, desire for independence, and

DEBUNKING SOME COMMON MYTHS

Antivirus software and firewalls are 100% effective Anti-virus software is a program or set of programs that are designed to prevent, search for, detect, and remove software viruses, and other malicious software like worms, Trojans, adware, and more.

VULNERABILITY NEWS

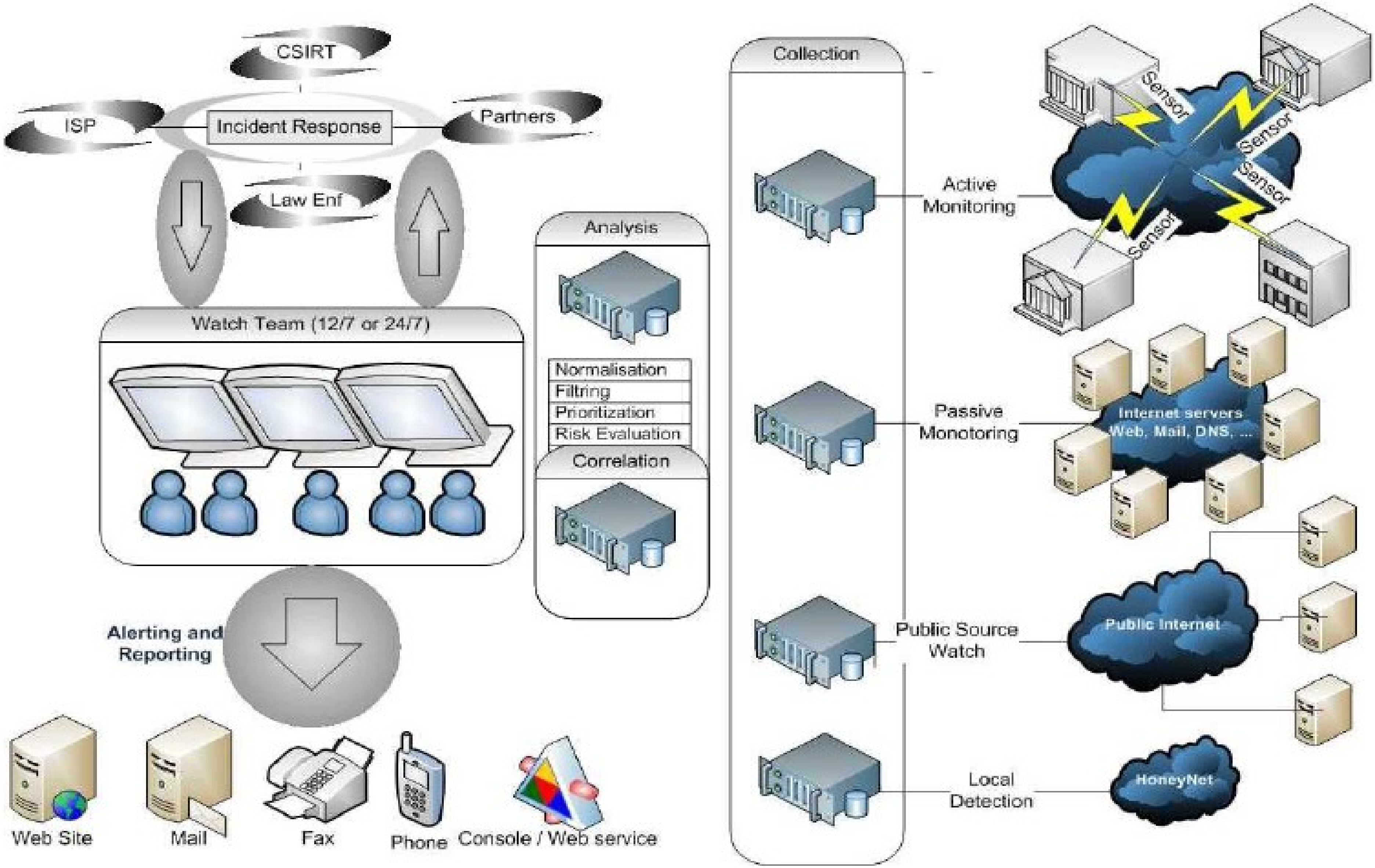
Vuln: Oracle Java SE CVE-2015-4893 Remote Security Vulnerability

Vuln: Oracle Java SE CVE-2015-4872 Remote Security Vulnerability

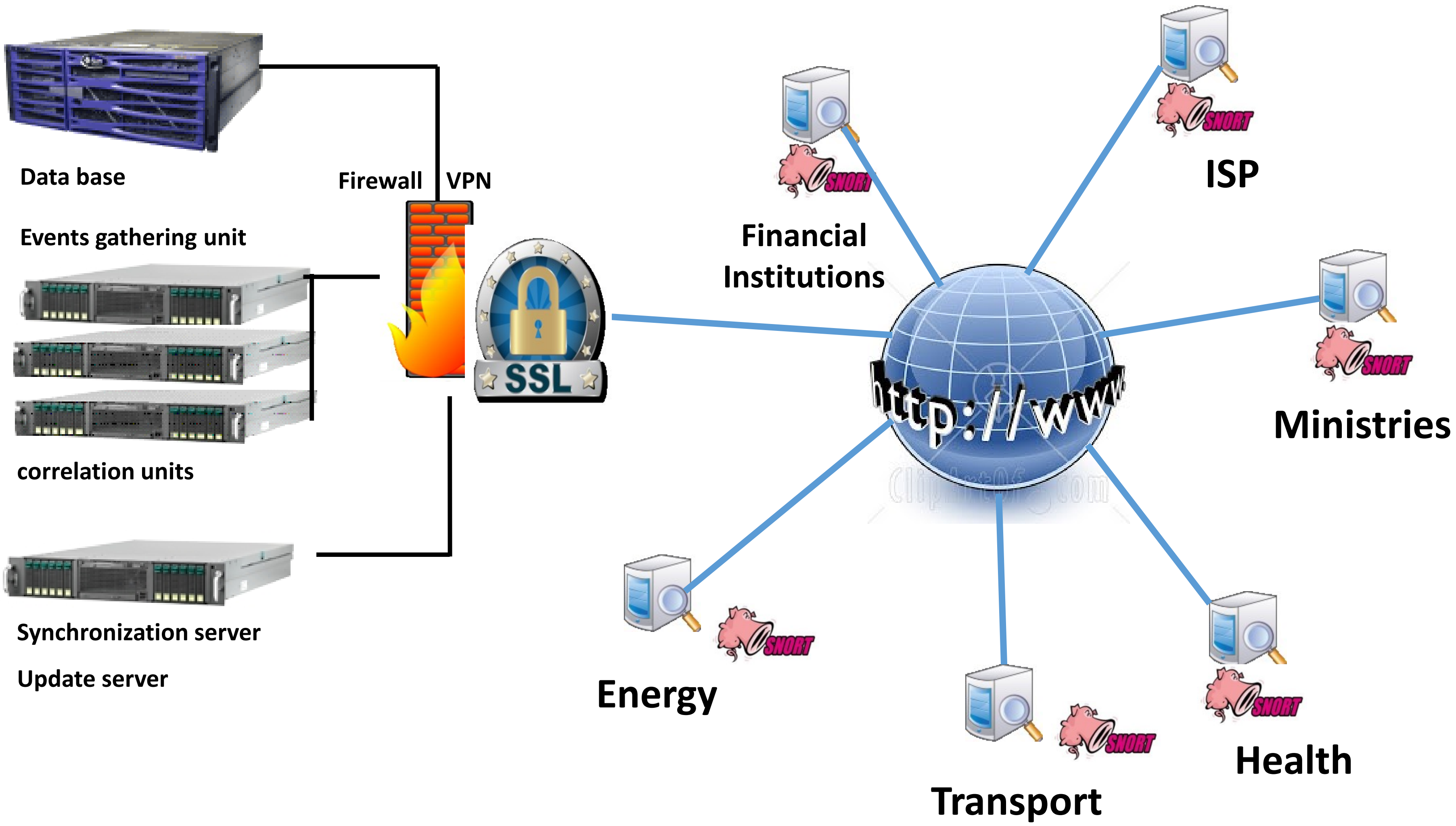
Vuln: Oracle Java SE CVE-2015-4842 Remote Security Vulnerability

Bugtraq: [security bulletin]

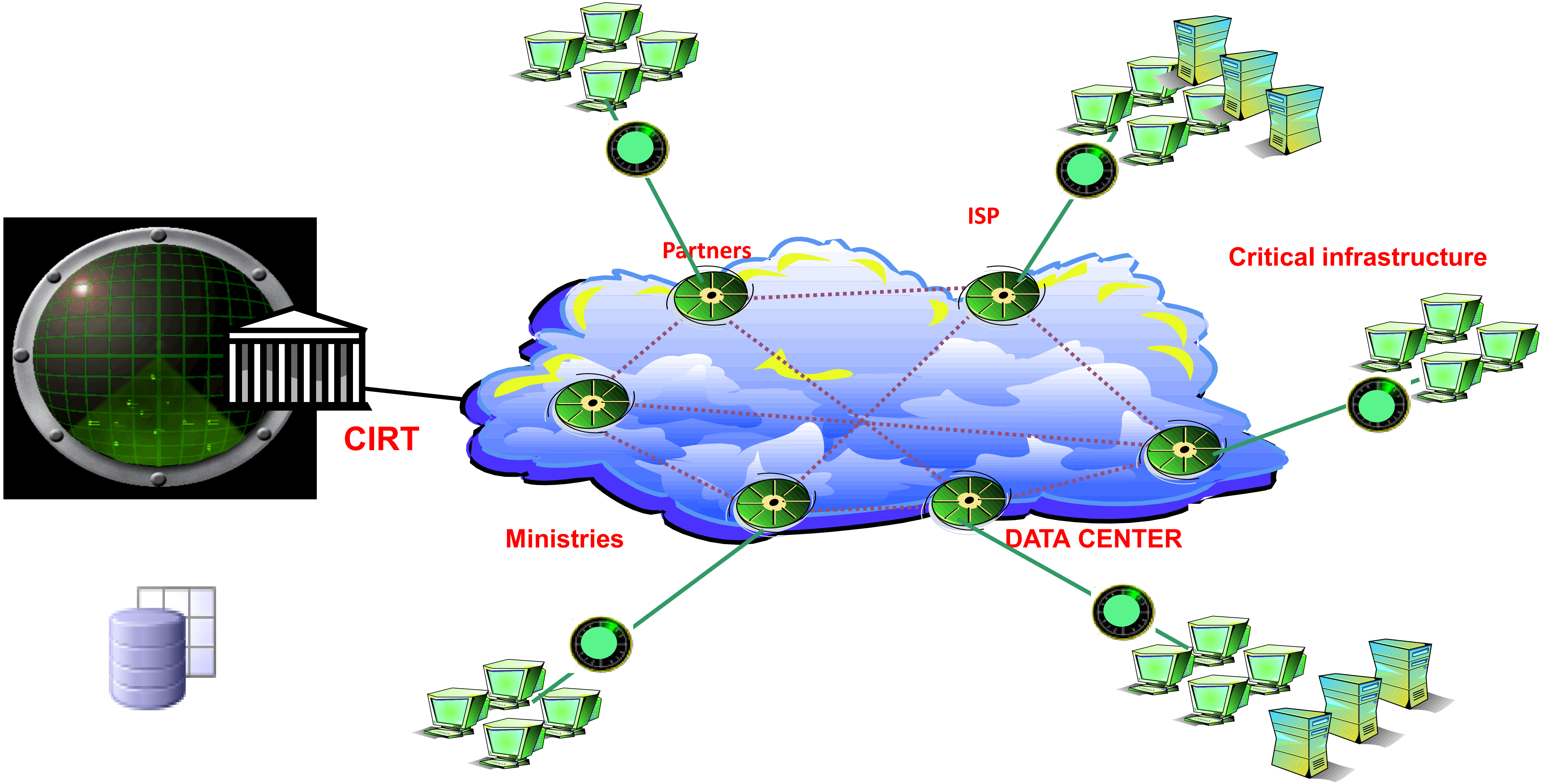
Cyber Threat Intelligence System



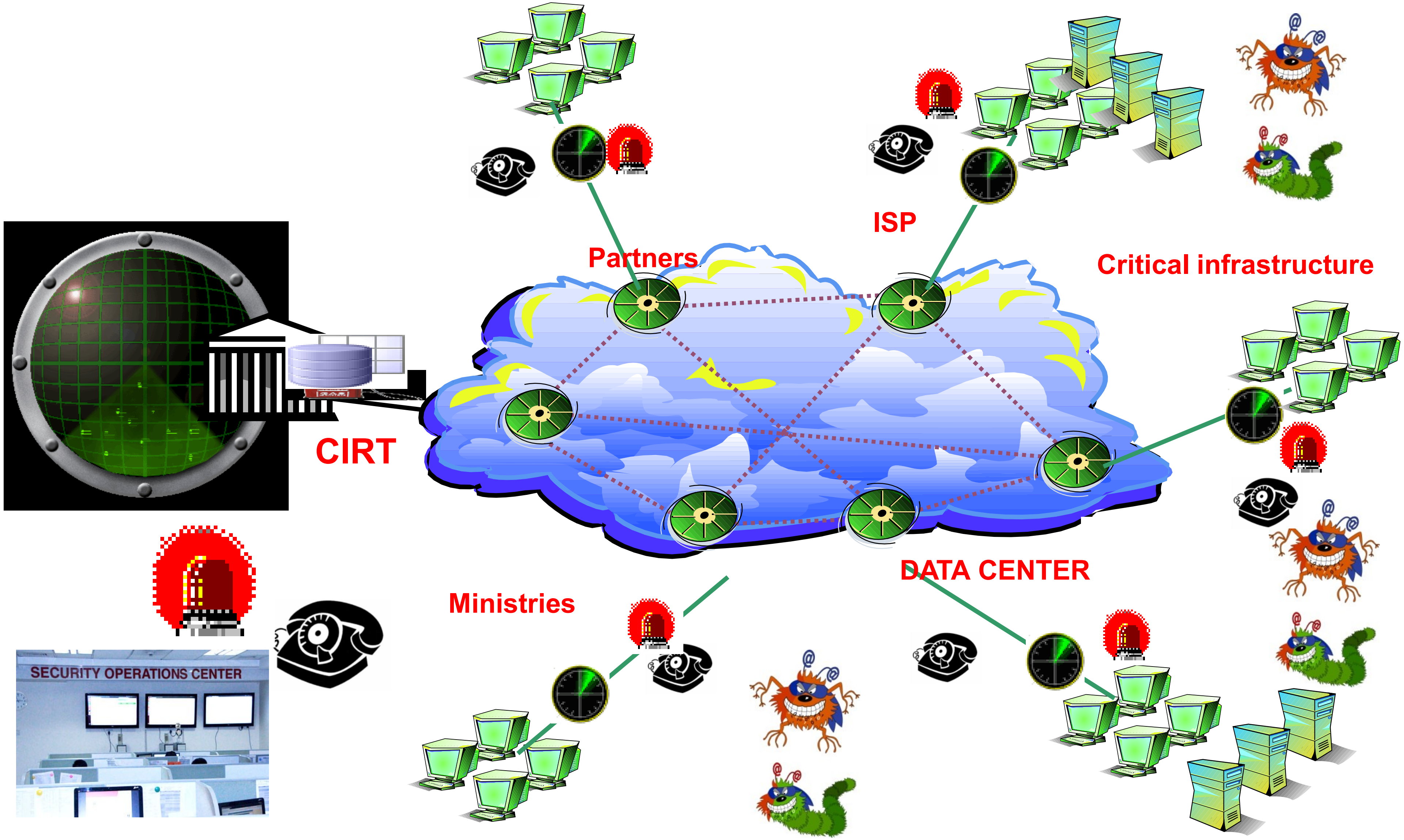
Active Monitoring



Active Monitoring

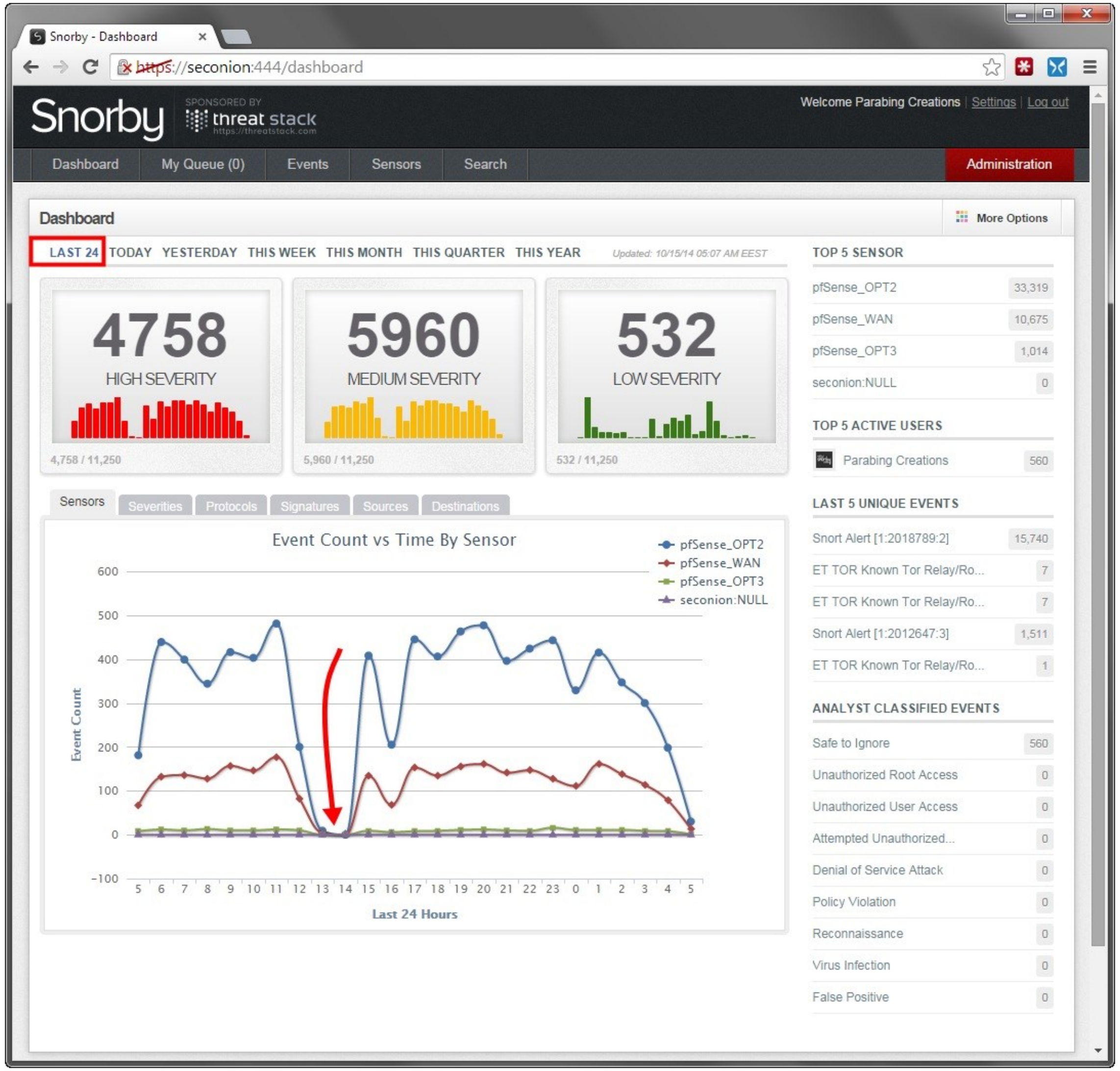


Active Monitoring



Active Monitoring

https://github.com/**Snorby**



Welcome Parabing Creations | Settings | Log out

Dashboard | My Queue (0) | Events | Sensors | Search | Administration

Dashboard | More Options

LAST 24 TODAY YESTERDAY THIS WEEK THIS MONTH THIS QUARTER THIS YEAR Updated: 10/15/14 05:07 AM EEST

4758 HIGH SEVERITY	5960 MEDIUM SEVERITY	532 LOW SEVERITY
4,758 / 11,250	5,960 / 11,250	532 / 11,250

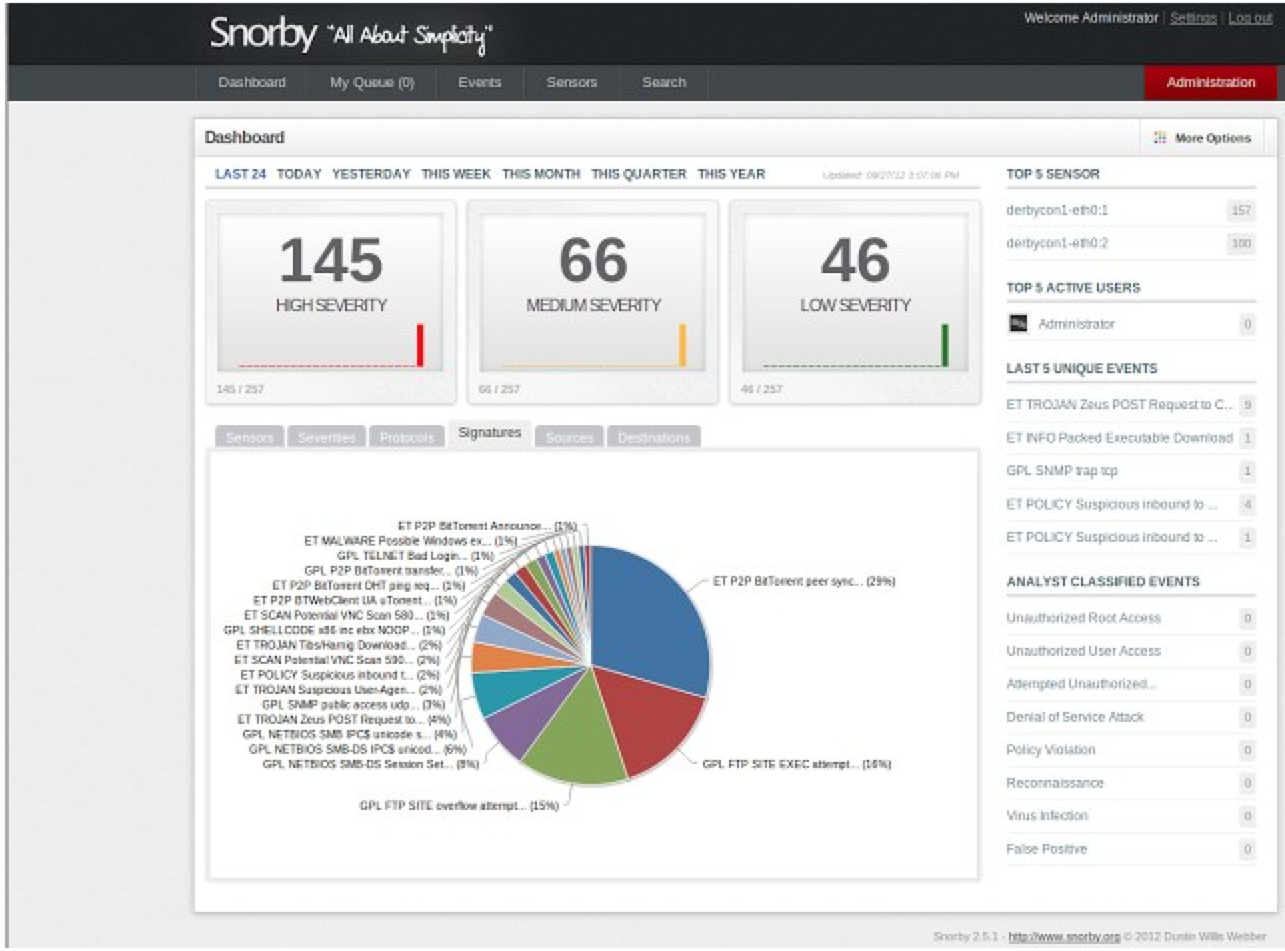
Sensors | Severities | Protocols | Signatures | Sources | Destinations

TOP 5 SENSOR	
pfSense_OPT2	33,319
pfSense_WAN	10,675
pfSense_OPT3	1,014
seconion:NULL	0

TOP 5 ACTIVE USERS	
Parabing Creations	560

LAST 5 UNIQUE EVENTS	
Snort Alert [1:2018789:2]	15,740
ET TOR Known Tor Relay/Ro...	7
ET TOR Known Tor Relay/Ro...	7
Snort Alert [1:2012647:3]	1,511
ET TOR Known Tor Relay/Ro...	1

ANALYST CLASSIFIED EVENTS	
Safe to Ignore	560
Unauthorized Root Access	0
Unauthorized User Access	0
Attempted Unauthorized...	0
Denial of Service Attack	0
Policy Violation	0
Reconnaissance	0
Virus Infection	0
False Positive	0



Snorby "All About Simplicity"

Welcome Administrator | Settings | Log out

Dashboard | My Queue (0) | Events | Sensors | Search | Administration

Dashboard | More Options

LAST 24 TODAY YESTERDAY THIS WEEK THIS MONTH THIS QUARTER THIS YEAR Updated: 09/27/12 3:07:06 PM

145 HIGH SEVERITY	66 MEDIUM SEVERITY	46 LOW SEVERITY
145 / 257	66 / 257	46 / 257

Sensors | Severities | Protocols | Signatures | Sources | Destinations

ET P2P BitTorrent Announce... (1%)
ET MALWARE Possible Windows ex... (1%)
GPL TELNET Bad Login... (1%)
GPL P2P BitTorrent transfer... (1%)
ET P2P BitTorrent DHT ping req... (1%)
ET P2P BTWebClient UA uTorrent... (1%)
ET SCAN Potential VNC Scan 580... (1%)
GPL SHELLCODE x86 inc ebx NOOP... (1%)
ET TROJAN Tibs/Harnig Download... (2%)
ET SCAN Potential VNC Scan 590... (2%)
ET POLICY Suspicious inbound t... (2%)
ET TROJAN Suspicious User-Agen... (2%)
GPL SNMP public access udp... (3%)
ET TROJAN Zeus POST Request to... (4%)
GPL NETBIOS SMB IPC$ unicode s... (4%)
GPL NETBIOS SMB-DS IPC$ unicod... (6%)
GPL NETBIOS SMB-DS Session Set... (8%)
GPL FTP SITE overflow attempt... (15%)
GPL FTP SITE EXEC attempt... (16%)
ET P2P BitTorrent peer sync... (29%)

TOP 5 SENSOR	
derbycon1-eth0:1	157
derbycon1-eth0:2	100

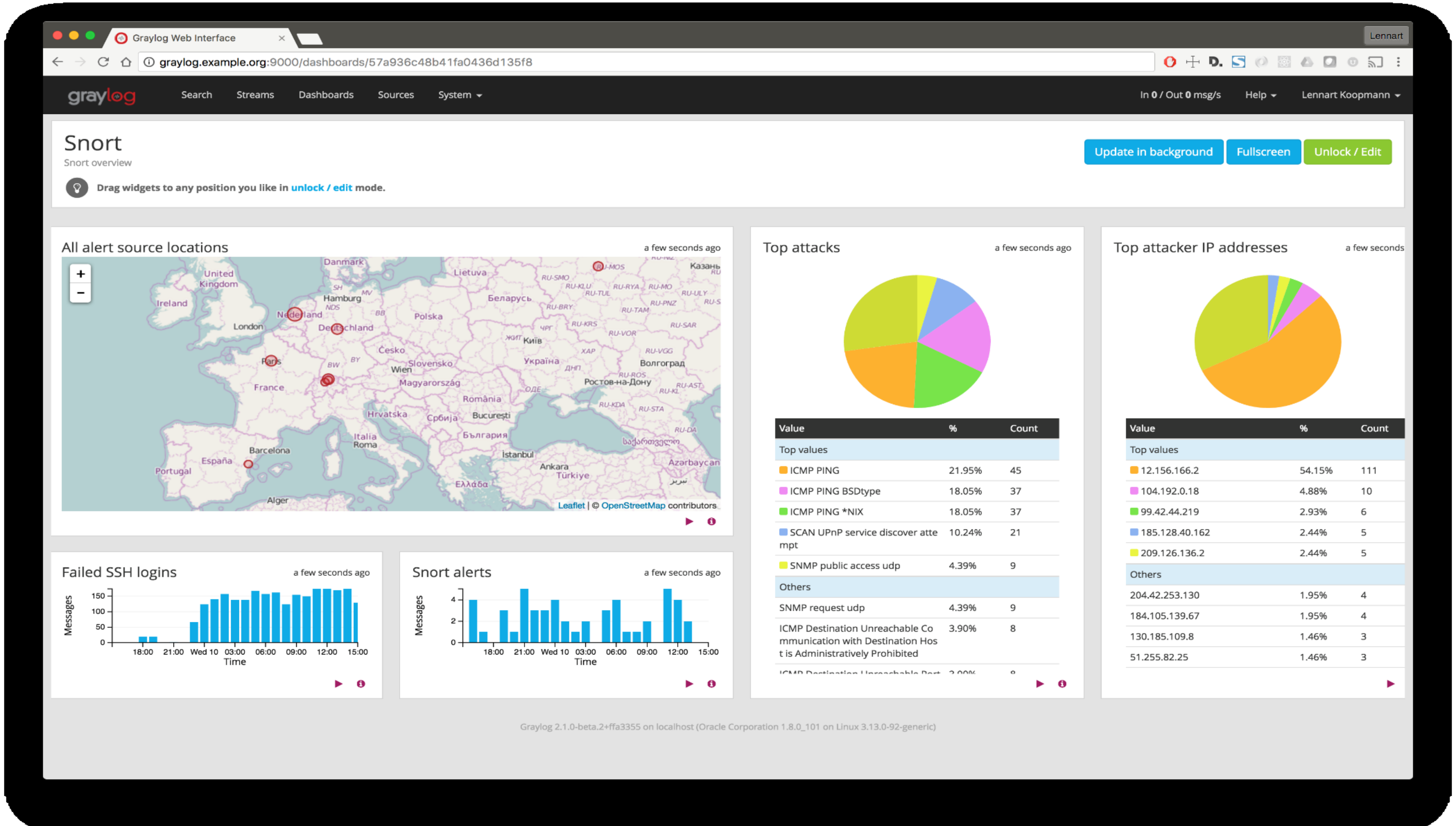
TOP 5 ACTIVE USERS	
Administrator	0

LAST 5 UNIQUE EVENTS	
ET TROJAN Zeus POST Request to C...	9
ET INFO Packed Executable Download	1
GPL SNMP trap tcp	1
ET POLICY Suspicious inbound to ...	4
ET POLICY Suspicious inbound to ...	1

ANALYST CLASSIFIED EVENTS	
Unauthorized Root Access	0
Unauthorized User Access	0
Attempted Unauthorized...	0
Denial of Service Attack	0
Policy Violation	0
Reconnaissance	0
Virus Infection	0
False Positive	0

Snorby 2.5.1 - http://www.snorby.org © 2012 Dustin Willis Webber

Active Monitoring



Snort

Snort overview

Drag widgets to any position you like in unlock / edit mode.

All alert source locations — a few seconds ago

Top attacks — a few seconds ago

Value	%	Count
Top values		
🟧 ICMP PING	21.95%	45
🟪 ICMP PING BSDtype	18.05%	37
🟩 ICMP PING *NIX	18.05%	37
🟦 SCAN UPnP service discover attempt	10.24%	21
🟨 SNMP public access udp	4.39%	9
Others		
SNMP request udp	4.39%	9
ICMP Destination Unreachable Communication with Destination Host is Administratively Prohibited	3.90%	8
ICMP Destination Unreachable Port	[illegible]	8

Top attacker IP addresses — a few seconds

Value	%	Count
Top values		
🟧 12.156.166.2	54.15%	111
🟪 104.192.0.18	4.88%	10
🟩 99.42.44.219	2.93%	6
🟦 185.128.40.162	2.44%	5
🟨 209.126.136.2	2.44%	5
Others		
204.42.253.130	1.95%	4
184.105.139.67	1.95%	4
130.185.109.8	1.46%	3
51.255.82.25	1.46%	3

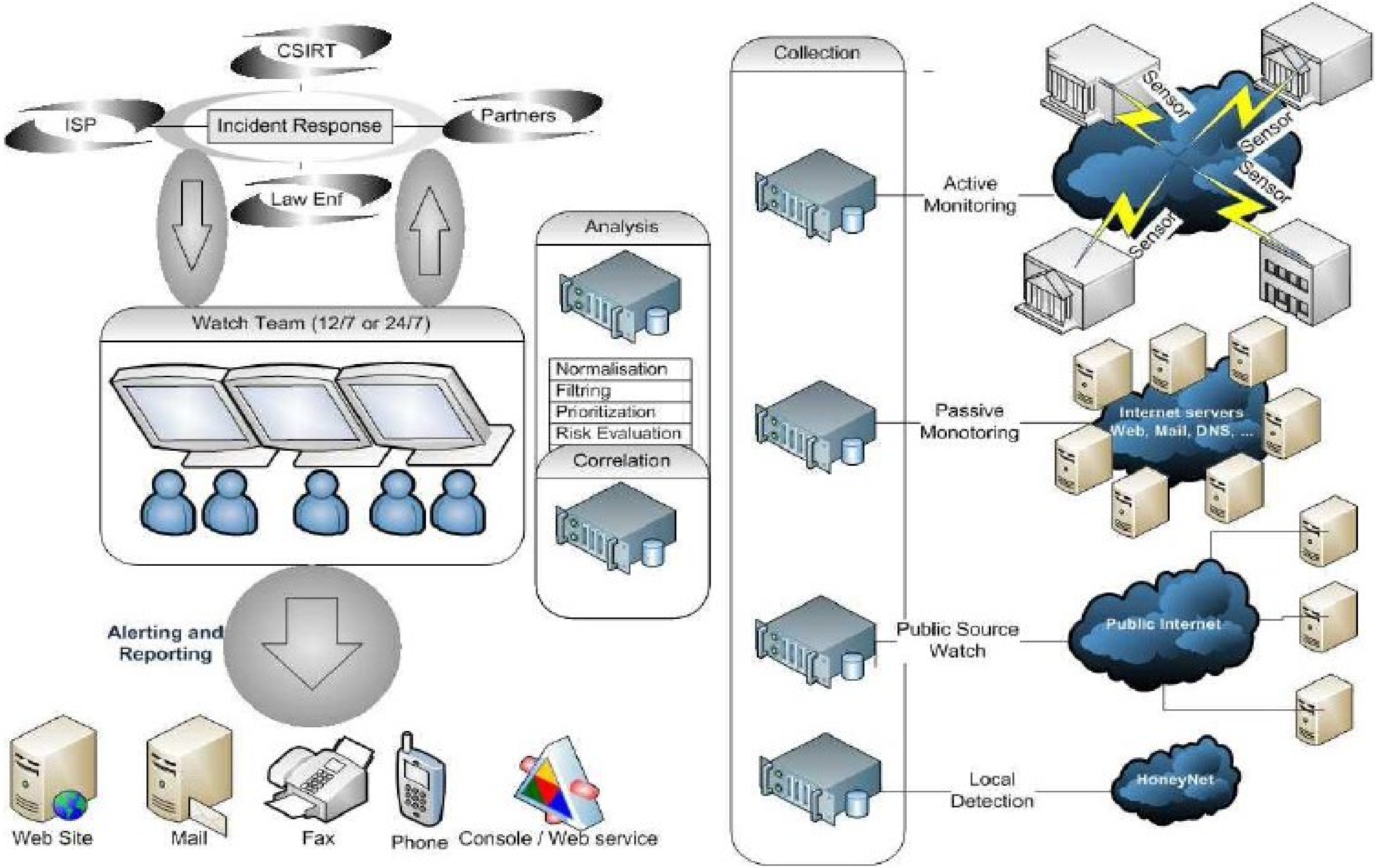
Failed SSH logins — a few seconds ago

Snort alerts — a few seconds ago

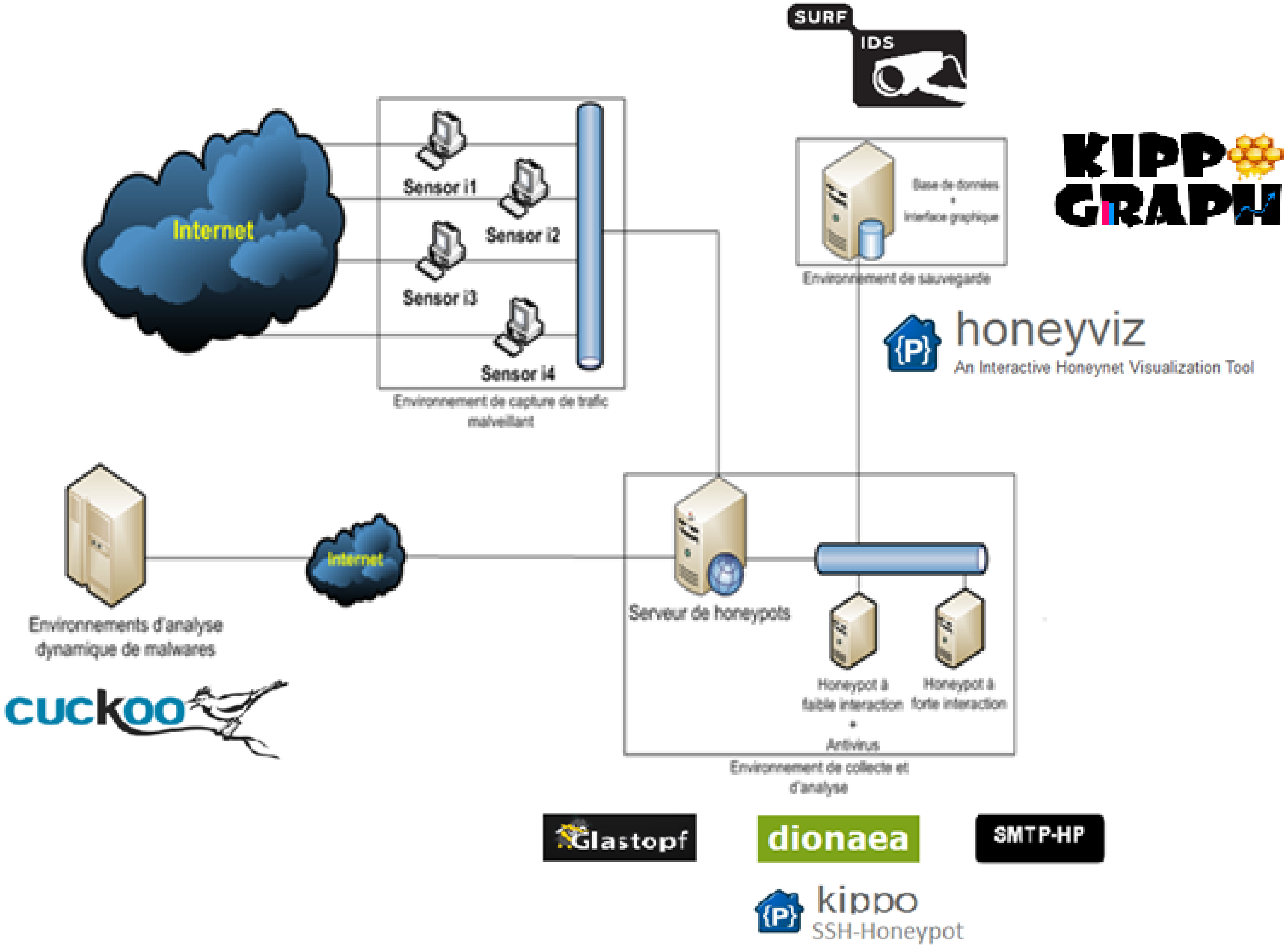
Graylog 2.1.0-beta.2+ffa3355 on localhost (Oracle Corporation 1.8.0_101 on Linux 3.13.0-92-generic)

www.graylog.org

Cyber Threat Intelligence System



HoneyNet Platforms

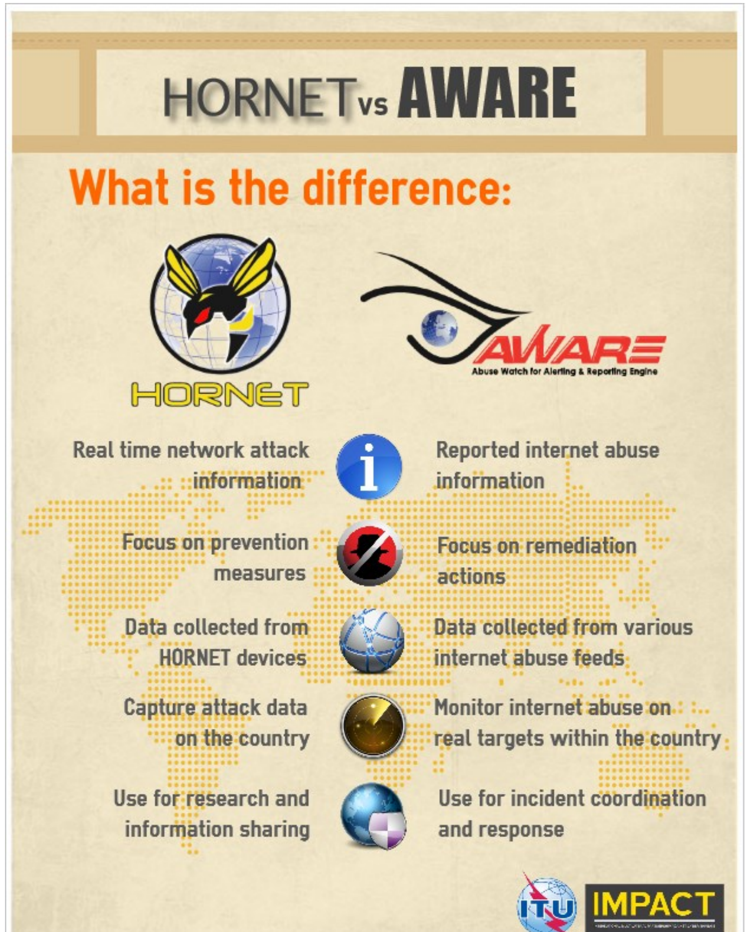

SURF IDS
Internet
Sensor i1
Sensor i2
Sensor i3
Sensor i4
Environnement de capture de trafic malveillant
Base de données + Interface graphique
Environnement de sauvegarde
KIPPO GRAPH
honeyviz
An Interactive Honeynet Visualization Tool
Environnements d'analyse dynamique de malwares
cuckoo
Internet
Serveur de honeypots
Honeypot à faible interaction + Antivirus
Honeypot à forte interaction
Environnement de collecte et d'analyse
Glastopf
dionaea
SMTP-HP
kippo
SSH-Honeypot

HoneyNet Platforms

Abuse Watch Alerting & Reporting Engine (AWARE)

is a solution for cyber threats monitoring through various external sources.

Honeypot Research Network (HORNET) : HoneyNet Platform

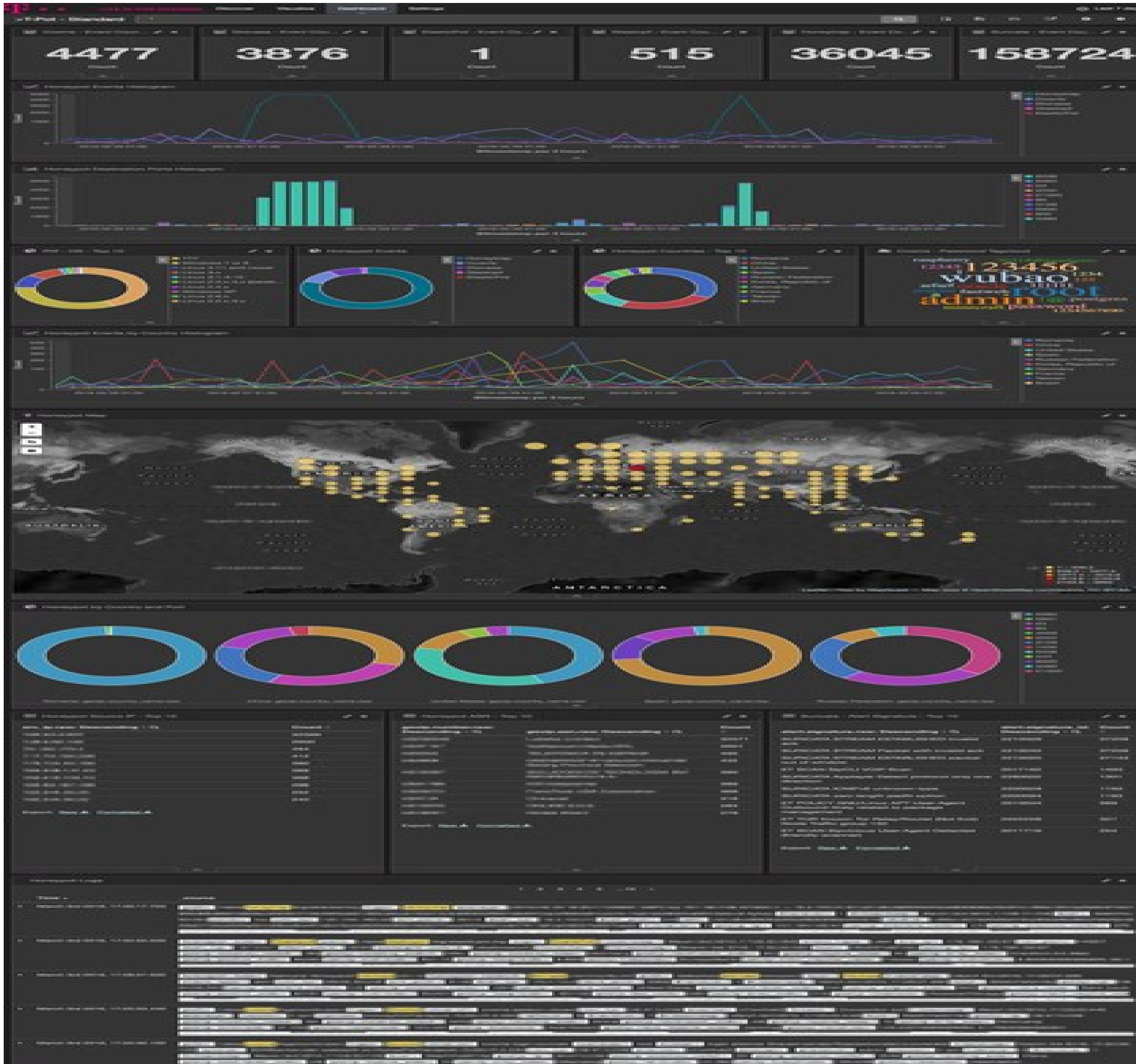


HORNET vs AWARE

What is the difference:

HORNET	AWARE
Real time network attack information	Reported internet abuse information
Focus on prevention measures	Focus on remediation actions
Data collected from HORNET devices	Data collected from various internet abuse feeds
Capture attack data on the country	Monitor internet abuse on real targets within the country
Use for research and information sharing	Use for incident coordination and response

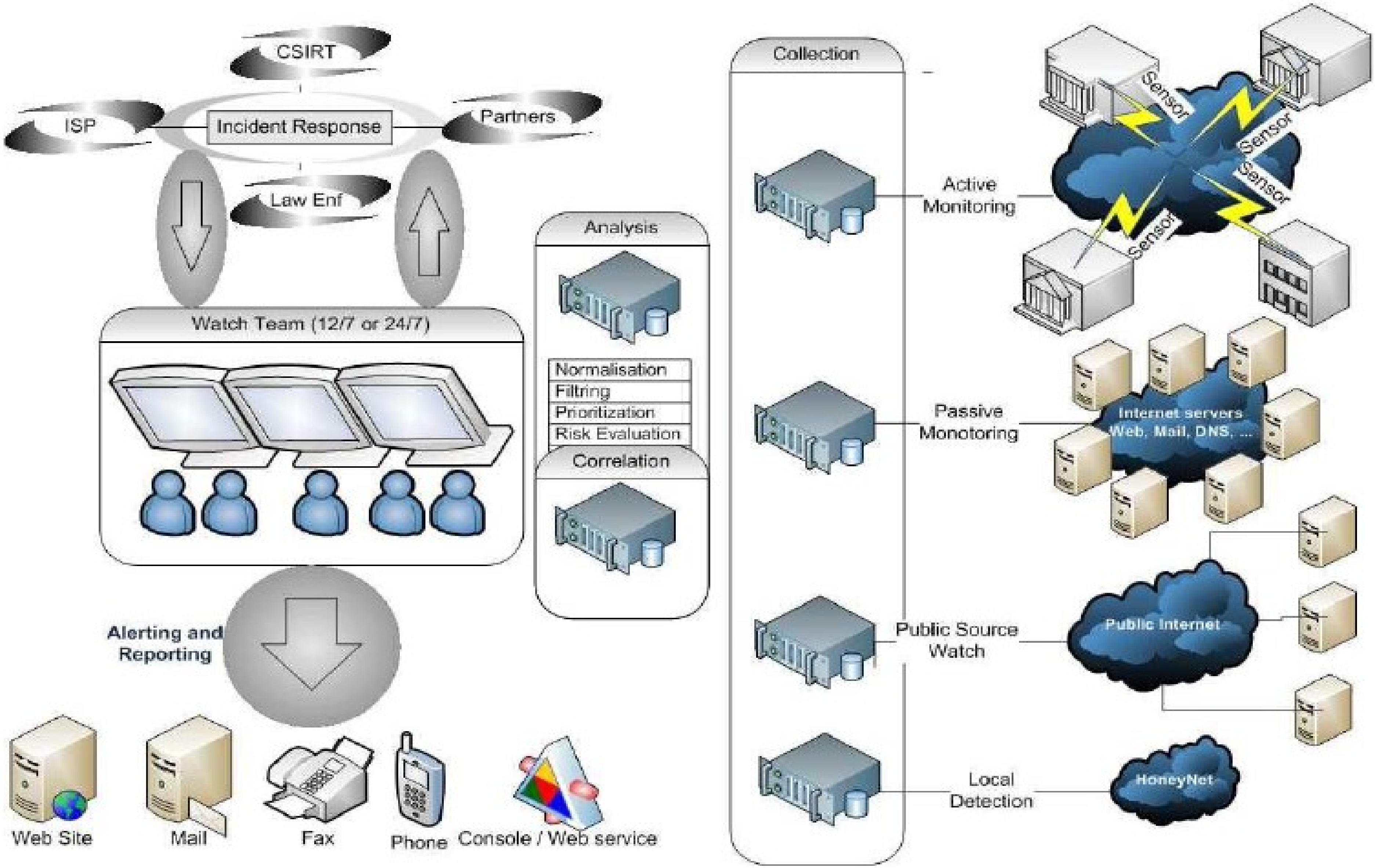
HoneyNet Platforms



T-POT : Honeypot platform

http://dtag-dev-sec.github.io/

Cyber Threat Intelligence System

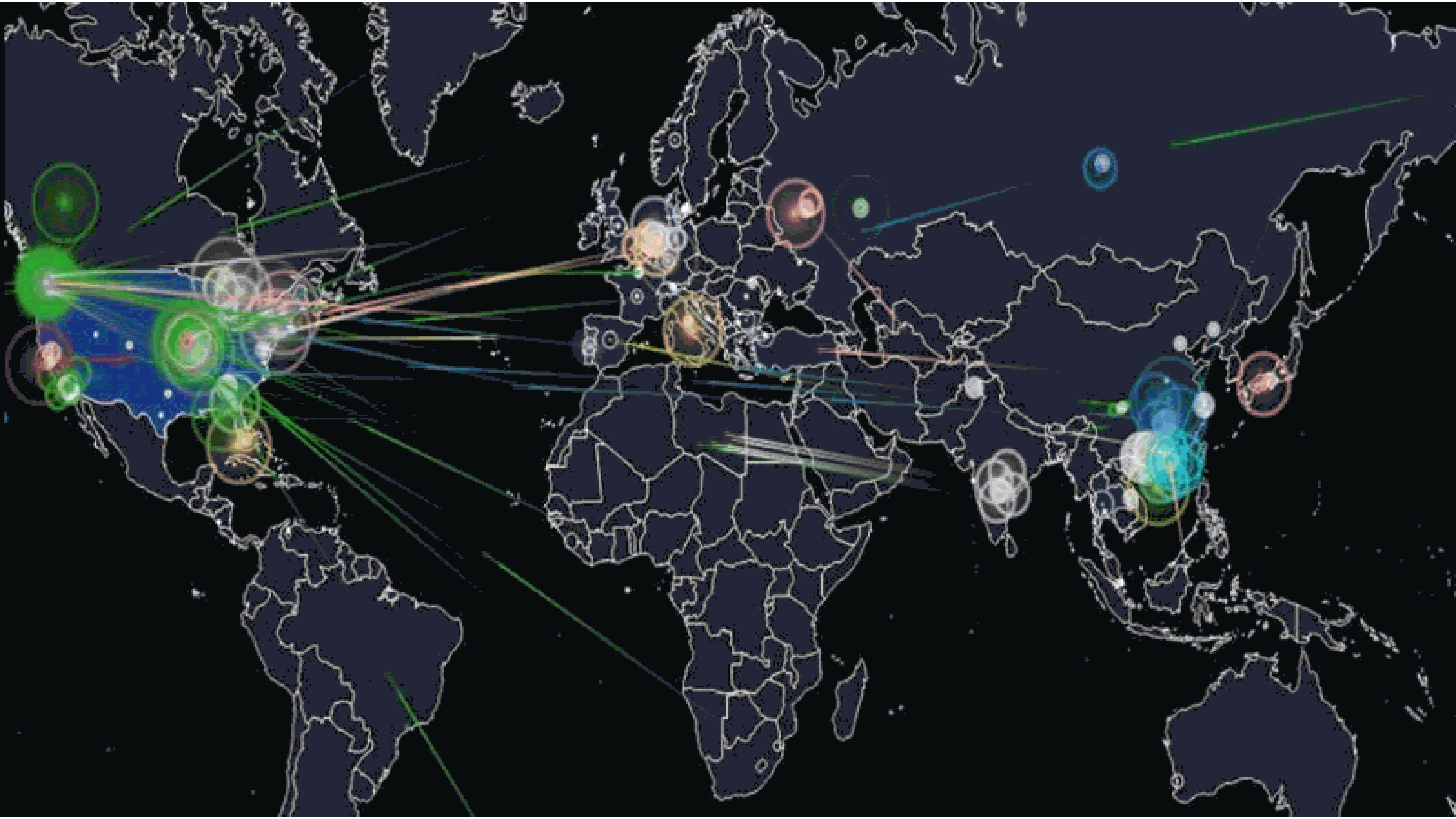


Public Feeds

- Example of sites that provide free data feed on reported Internet abuse incidents:
  - Defacement
    - http://www.zone-h.org/archive/special=1
  - Phishing
    - https://www.phishtank.com/asn_search.php
  - Malware
    - https://www.malwaredomainlist.com/mdl.php
  - Botnet
    - https://zeustracker.abuse.ch/monitor.php

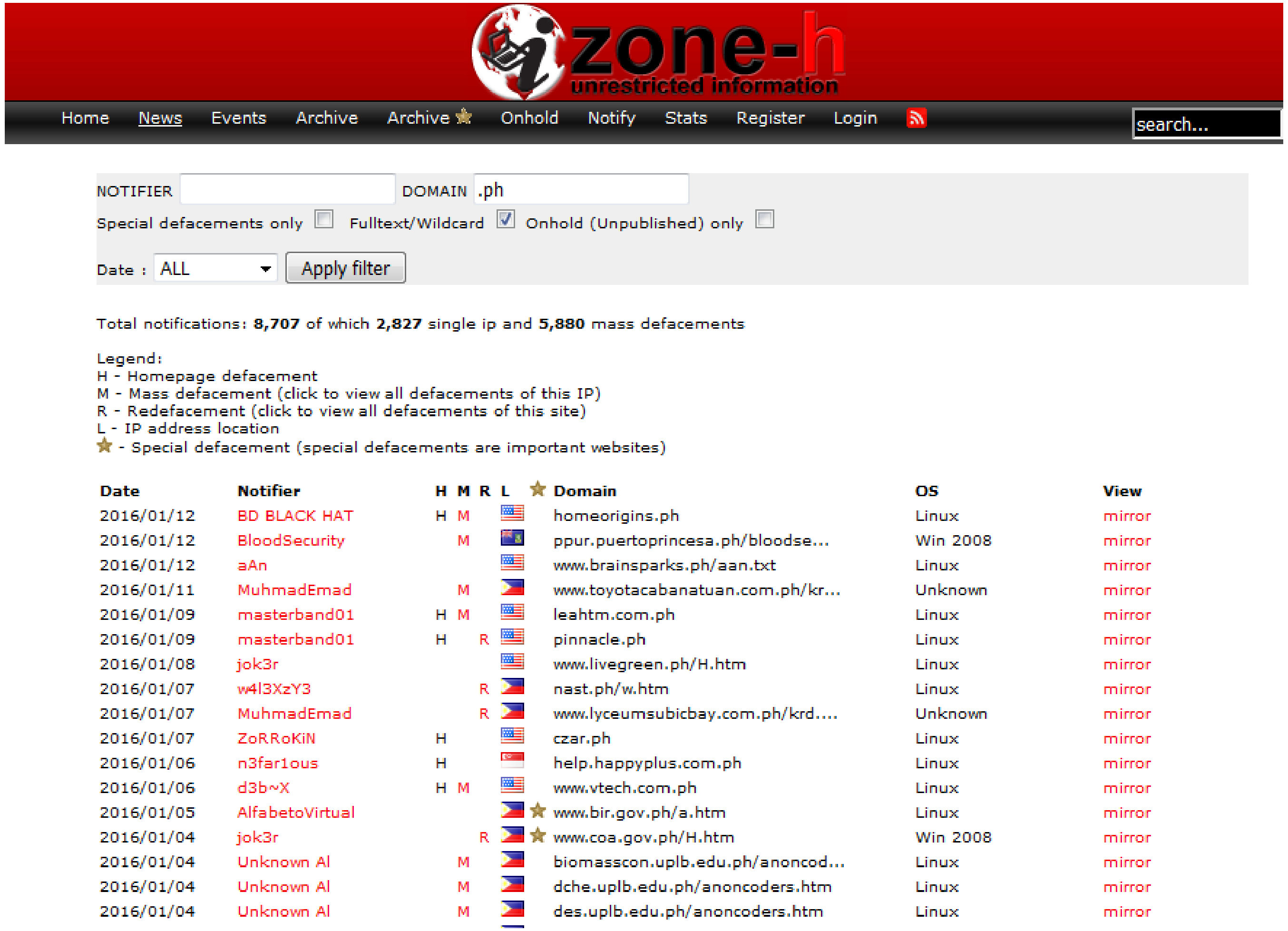
Public Feeds

- http://map.norsecorp.com/#/
- https://intel.malwaretech.com/pewpew.html



Public Feeds

- Web defacement
  - http://www.zone-h.org/archive/special=1



NOTIFIER DOMAIN .ph

Special defacements only □ Fulltext/Wildcard ☑ Onhold (Unpublished) only □

Date : ALL Apply filter

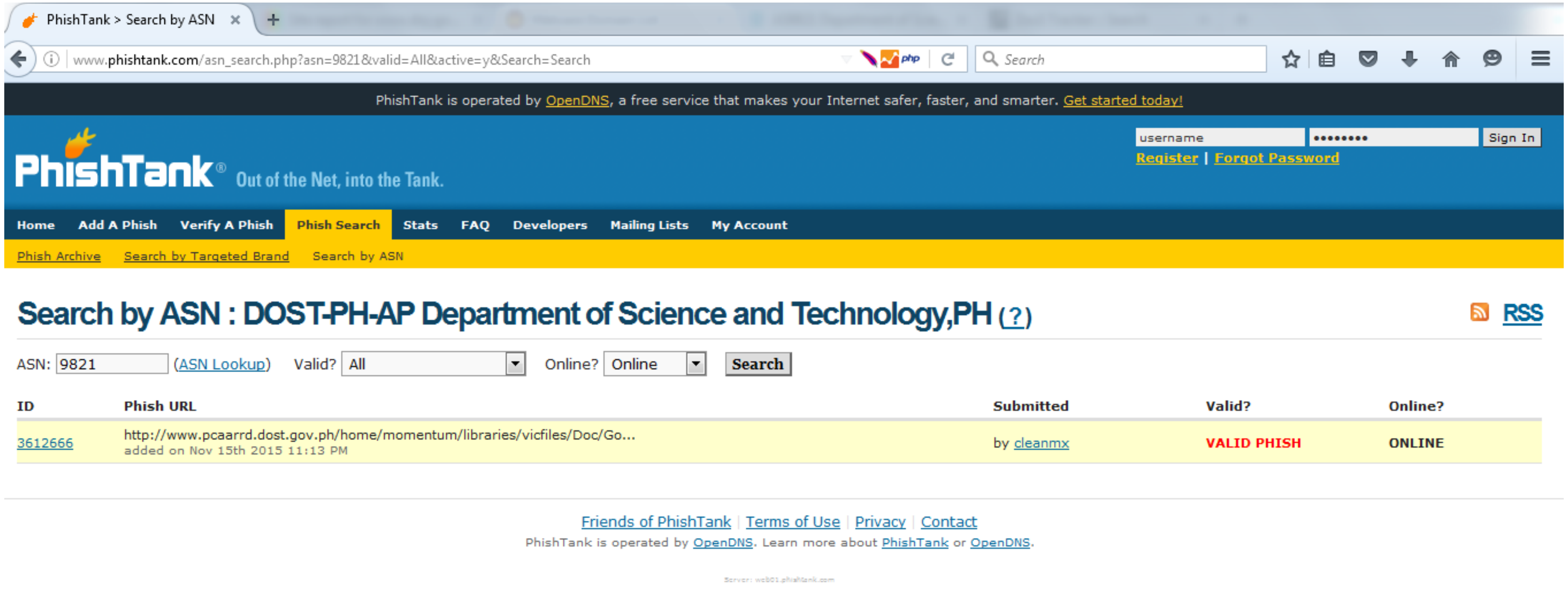
Total notifications: **8,707** of which **2,827** single ip and **5,880** mass defacements

Legend:
H - Homepage defacement
M - Mass defacement (click to view all defacements of this IP)
R - Redefacement (click to view all defacements of this site)
L - IP address location
★ - Special defacement (special defacements are important websites)

Date	Notifier	H	M	R	L	★	Domain	OS	View
2016/01/12	BD BLACK HAT	H	M				homeorigins.ph	Linux	mirror
2016/01/12	BloodSecurity		M				ppur.puertoprincesa.ph/bloodse...	Win 2008	mirror
2016/01/12	aAn						www.brainsparks.ph/aan.txt	Linux	mirror
2016/01/11	MuhmadEmad		M				www.toyotacabanatuan.com.ph/kr...	Unknown	mirror
2016/01/09	masterband01	H	M				leahtm.com.ph	Linux	mirror
2016/01/09	masterband01	H		R			pinnacle.ph	Linux	mirror
2016/01/08	jok3r						www.livegreen.ph/H.htm	Linux	mirror
2016/01/07	w4l3XzY3			R			nast.ph/w.htm	Linux	mirror
2016/01/07	MuhmadEmad			R			www.lyceumsubicbay.com.ph/krd....	Unknown	mirror
2016/01/07	ZoRRoKiN	H					czar.ph	Linux	mirror
2016/01/06	n3far1ous	H					help.happyplus.com.ph	Linux	mirror
2016/01/06	d3b~X	H	M				www.vtech.com.ph	Linux	mirror
2016/01/05	AlfabetoVirtual					★	www.bir.gov.ph/a.htm	Linux	mirror
2016/01/04	jok3r			R		★	www.coa.gov.ph/H.htm	Win 2008	mirror
2016/01/04	Unknown Al		M				biomasscon.uplb.edu.ph/anoncod...	Linux	mirror
2016/01/04	Unknown Al		M				dche.uplb.edu.ph/anoncoders.htm	Linux	mirror
2016/01/04	Unknown Al		M				des.uplb.edu.ph/anoncoders.htm	Linux	mirror

Public Feeds

- Phishing
  - https://www.phishtank.com/asn_search.php



www.phishtank.com/asn_search.php?asn=9821&valid=All&active=y&Search=Search

PhishTank is operated by OpenDNS, a free service that makes your Internet safer, faster, and smarter. Get started today!

Search by ASN : DOST-PH-AP Department of Science and Technology,PH (?)

ASN: 9821 (ASN Lookup) Valid? All Online? Online

ID	Phish URL	Submitted	Valid?	Online?
3612666	http://www.pcaarrd.dost.gov.ph/home/momentum/libraries/vicfiles/Doc/Go... added on Nov 15th 2015 11:13 PM	by cleanmx	VALID PHISH	ONLINE

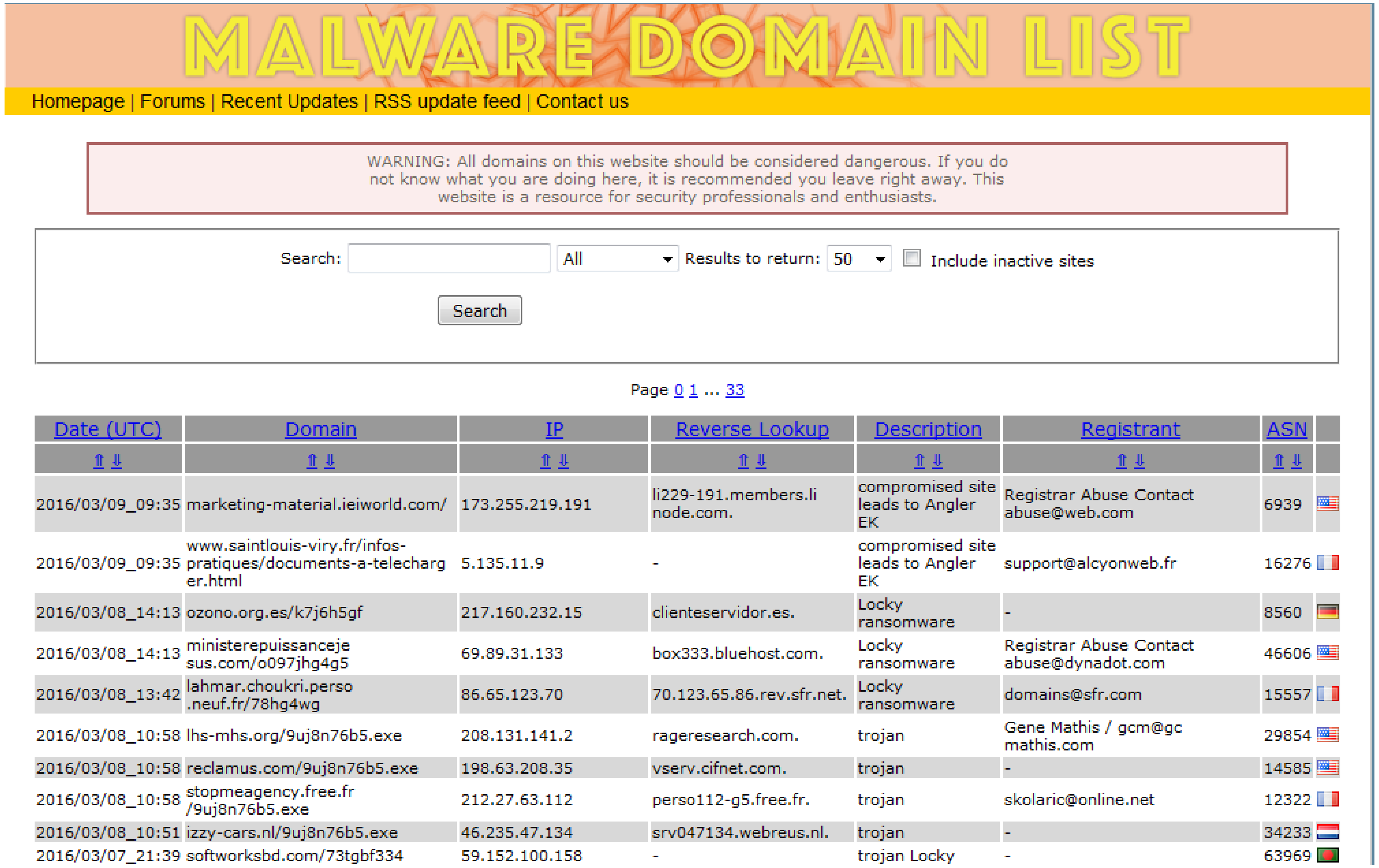
Friends of PhishTank | Terms of Use | Privacy | Contact

PhishTank is operated by OpenDNS. Learn more about PhishTank or OpenDNS.

Server: web01.phishtank.com

Public Feeds

- Malware
  - https://www.malwaredomainlist.com/mdl.php



MALWARE DOMAIN LIST

Homepage | Forums | Recent Updates | RSS update feed | Contact us

WARNING: All domains on this website should be considered dangerous. If you do not know what you are doing here, it is recommended you leave right away. This website is a resource for security professionals and enthusiasts.

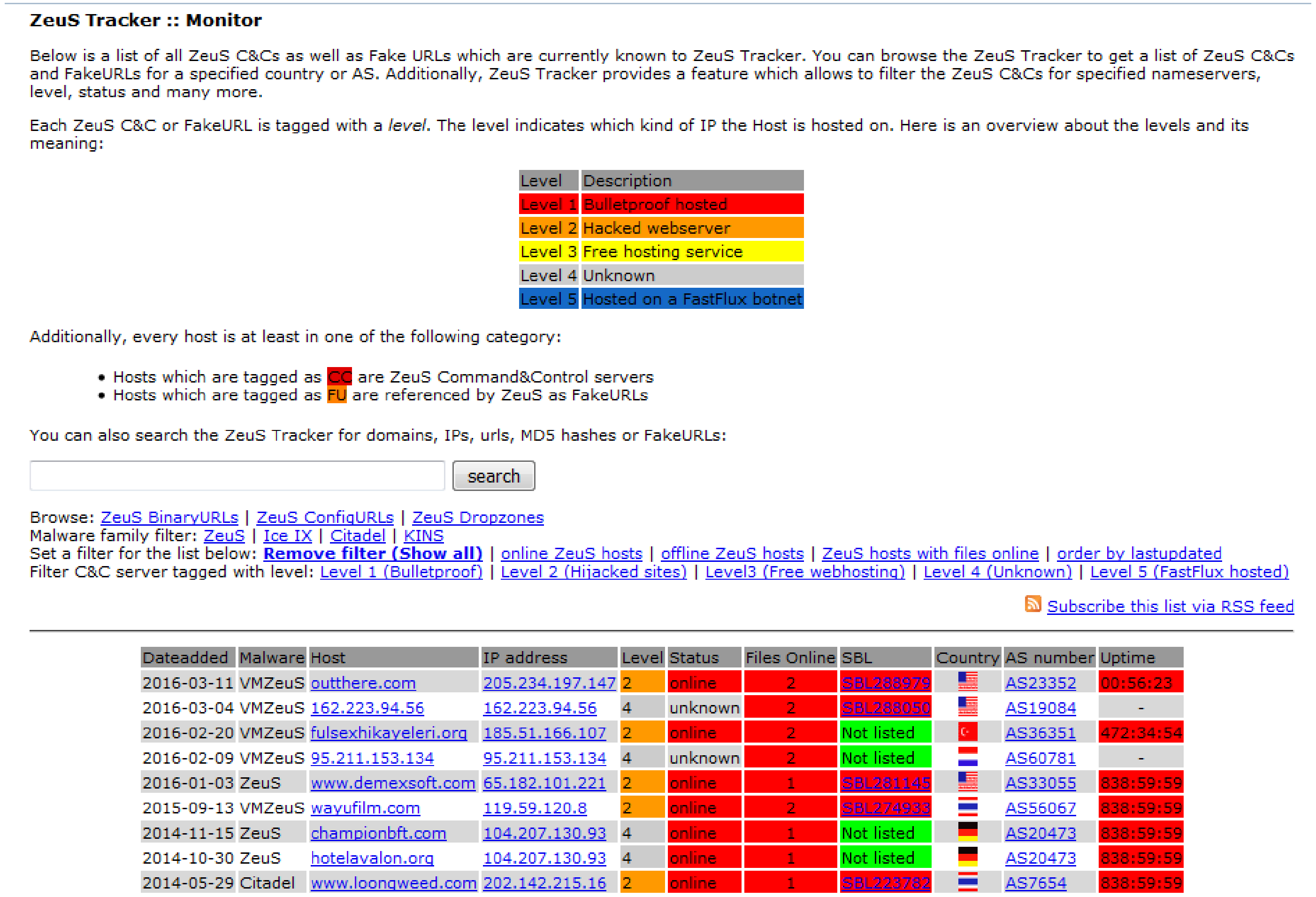
Search: All Results to return: 50 □ Include inactive sites

Page 0 1 ... 33

Date (UTC)	Domain	IP	Reverse Lookup	Description	Registrant	ASN	
⇑ ⇓	⇑ ⇓	⇑ ⇓	⇑ ⇓	⇑ ⇓	⇑ ⇓	⇑ ⇓	
2016/03/09_09:35	marketing-material.ieiworld.com/	173.255.219.191	li229-191.members.linode.com.	compromised site leads to Angler EK	Registrar Abuse Contact abuse@web.com	6939	🇺🇸
2016/03/09_09:35	www.saintlouis-viry.fr/infos-pratiques/documents-a-telecharger.html	5.135.11.9	-	compromised site leads to Angler EK	support@alcyonweb.fr	16276	🇫🇷
2016/03/08_14:13	ozono.org.es/k7j6h5gf	217.160.232.15	clienteservidor.es.	Locky ransomware	-	8560	🇩🇪
2016/03/08_14:13	ministerepuissancejesus.com/o097jhg4g5	69.89.31.133	box333.bluehost.com.	Locky ransomware	Registrar Abuse Contact abuse@dynadot.com	46606	🇺🇸
2016/03/08_13:42	lahmar.choukri.perso.neuf.fr/78hg4wg	86.65.123.70	70.123.65.86.rev.sfr.net.	Locky ransomware	domains@sfr.com	15557	🇫🇷
2016/03/08_10:58	lhs-mhs.org/9uj8n76b5.exe	208.131.141.2	rageresearch.com.	trojan	Gene Mathis / gcm@gcmathis.com	29854	🇺🇸
2016/03/08_10:58	reclamus.com/9uj8n76b5.exe	198.63.208.35	vserv.cifnet.com.	trojan	-	14585	🇺🇸
2016/03/08_10:58	stopmeagency.free.fr/9uj8n76b5.exe	212.27.63.112	perso112-g5.free.fr.	trojan	skolaric@online.net	12322	🇫🇷
2016/03/08_10:51	izzy-cars.nl/9uj8n76b5.exe	46.235.47.134	srv047134.webreus.nl.	trojan	-	34233	🇳🇱
2016/03/07_21:39	softworksbd.com/73tgbf334	59.152.100.158	-	trojan Locky	-	63969	🇧🇩

Public Feeds

- Botnet
  - https://zeustracker.abuse.ch/monitor.php



ZeuS Tracker :: Monitor

Below is a list of all ZeuS C&Cs as well as Fake URLs which are currently known to ZeuS Tracker. You can browse the ZeuS Tracker to get a list of ZeuS C&Cs and FakeURLs for a specified country or AS. Additionally, ZeuS Tracker provides a feature which allows to filter the ZeuS C&Cs for specified nameservers, level, status and many more.

Each ZeuS C&C or FakeURL is tagged with a *level*. The level indicates which kind of IP the Host is hosted on. Here is an overview about the levels and its meaning:

Level	Description
Level 1	Bulletproof hosted
Level 2	Hacked webserver
Level 3	Free hosting service
Level 4	Unknown
Level 5	Hosted on a FastFlux botnet

Additionally, every host is at least in one of the following category:

- Hosts which are tagged as CC are ZeuS Command&Control servers
- Hosts which are tagged as FU are referenced by ZeuS as FakeURLs

You can also search the ZeuS Tracker for domains, IPs, urls, MD5 hashes or FakeURLs:

Browse: ZeuS BinaryURLs | ZeuS ConfigURLs | ZeuS Dropzones
Malware family filter: ZeuS | Ice IX | Citadel | KINS
Set a filter for the list below: **Remove filter (Show all)** | online ZeuS hosts | offline ZeuS hosts | ZeuS hosts with files online | order by lastupdated
Filter C&C server tagged with level: Level 1 (Bulletproof) | Level 2 (Hijacked sites) | Level3 (Free webhosting) | Level 4 (Unknown) | Level 5 (FastFlux hosted)

Subscribe this list via RSS feed

Dateadded	Malware	Host	IP address	Level	Status	Files Online	SBL	Country	AS number	Uptime
2016-03-11	VMZeuS	outthere.com	205.234.197.147	2	online	2	SBL288979	🇺🇸	AS23352	00:56:23
2016-03-04	VMZeuS	162.223.94.56	162.223.94.56	4	unknown	2	SBL288050	🇺🇸	AS19084	-
2016-02-20	VMZeuS	fulsexhikayeleri.org	185.51.166.107	2	online	2	Not listed	🇹🇷	AS36351	472:34:54
2016-02-09	VMZeuS	95.211.153.134	95.211.153.134	4	unknown	2	Not listed	🇳🇱	AS60781	-
2016-01-03	ZeuS	www.demexsoft.com	65.182.101.221	2	online	1	SBL281145	🇺🇸	AS33055	838:59:59
2015-09-13	VMZeuS	wayufilm.com	119.59.120.8	2	online	2	SBL274933	🇹🇭	AS56067	838:59:59
2014-11-15	ZeuS	championbft.com	104.207.130.93	4	online	1	Not listed	🇩🇪	AS20473	838:59:59
2014-10-30	ZeuS	hotelavalon.org	104.207.130.93	4	online	1	Not listed	🇩🇪	AS20473	838:59:59
2014-05-29	Citadel	www.loongweed.com	202.142.215.16	2	online	1	SBL223782	🇹🇭	AS7654	838:59:59

Semi-Public Feeds

- Data feeds provided to non-profit organisation or specific community such as CSIRT
  - Shadow Server
    - https://www.shadowserver.org/wiki/pmwiki.php/Involve/GetReportsOnYourNetwork
  - Team Cymru
    - http://www.team-cymru.org/CSIRT-AP.html

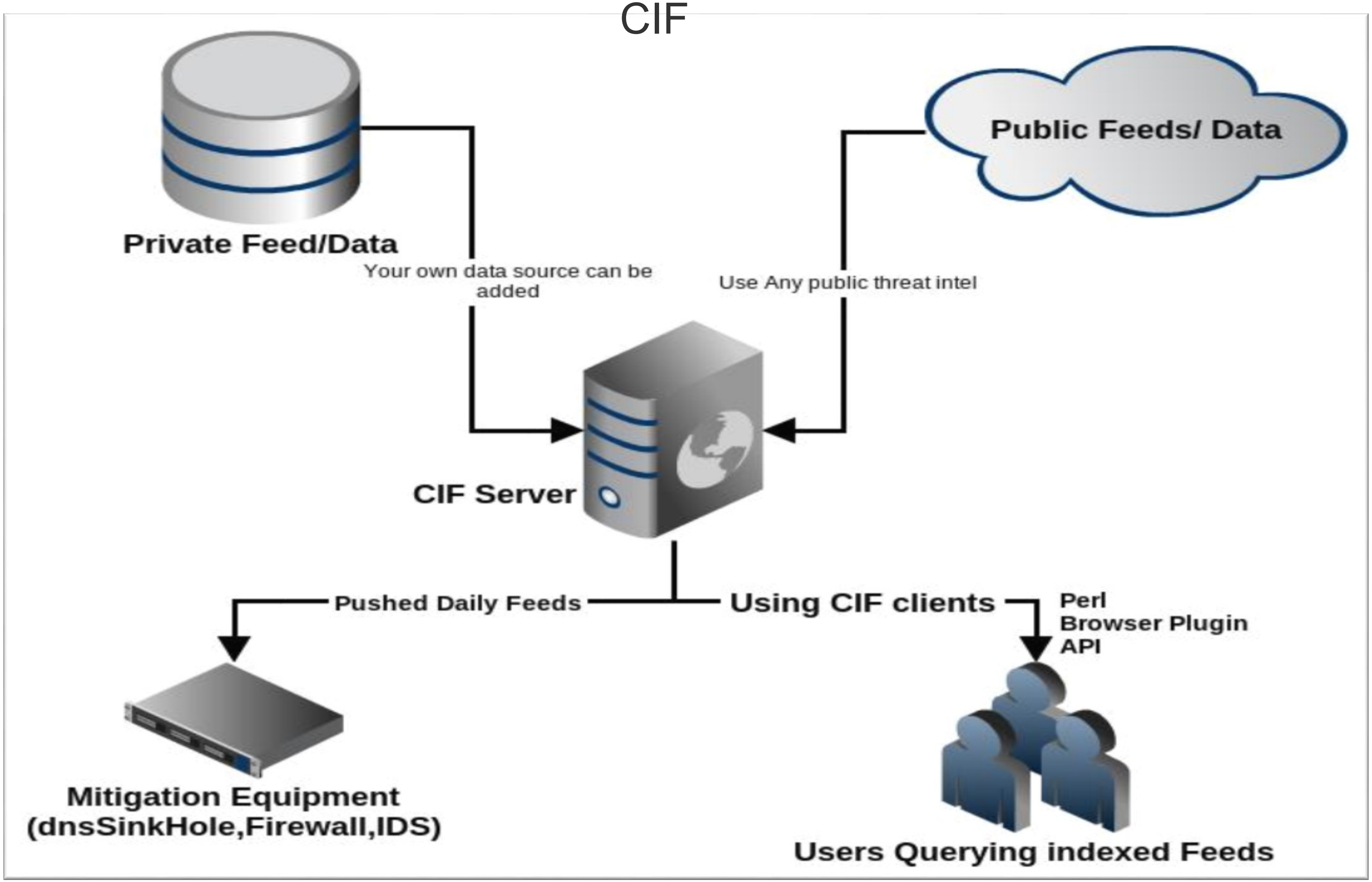
Commercial Feeds

- Data feeds provided with paid subscription
  - Zone-H (defacement)
    - www.zone-h.org
  - Netcraft (phishing)
    - http://www.netcraft.com/anti-phishing/phishing-site-feed
  - Cyveillance (phishing and dropsites)
    - https://www.cyveillance.com/home/security-solutions/data
  - Team Cymru (botnet and malicious IP)
    - https://www.team-cymru.com/reputation-feed.html
  - Emerging Threat (malicious IP & domain)
    - https://www.proofpoint.com/us/solutions/products/threat-intelligence

Example of Cyber Threat Intelligence System

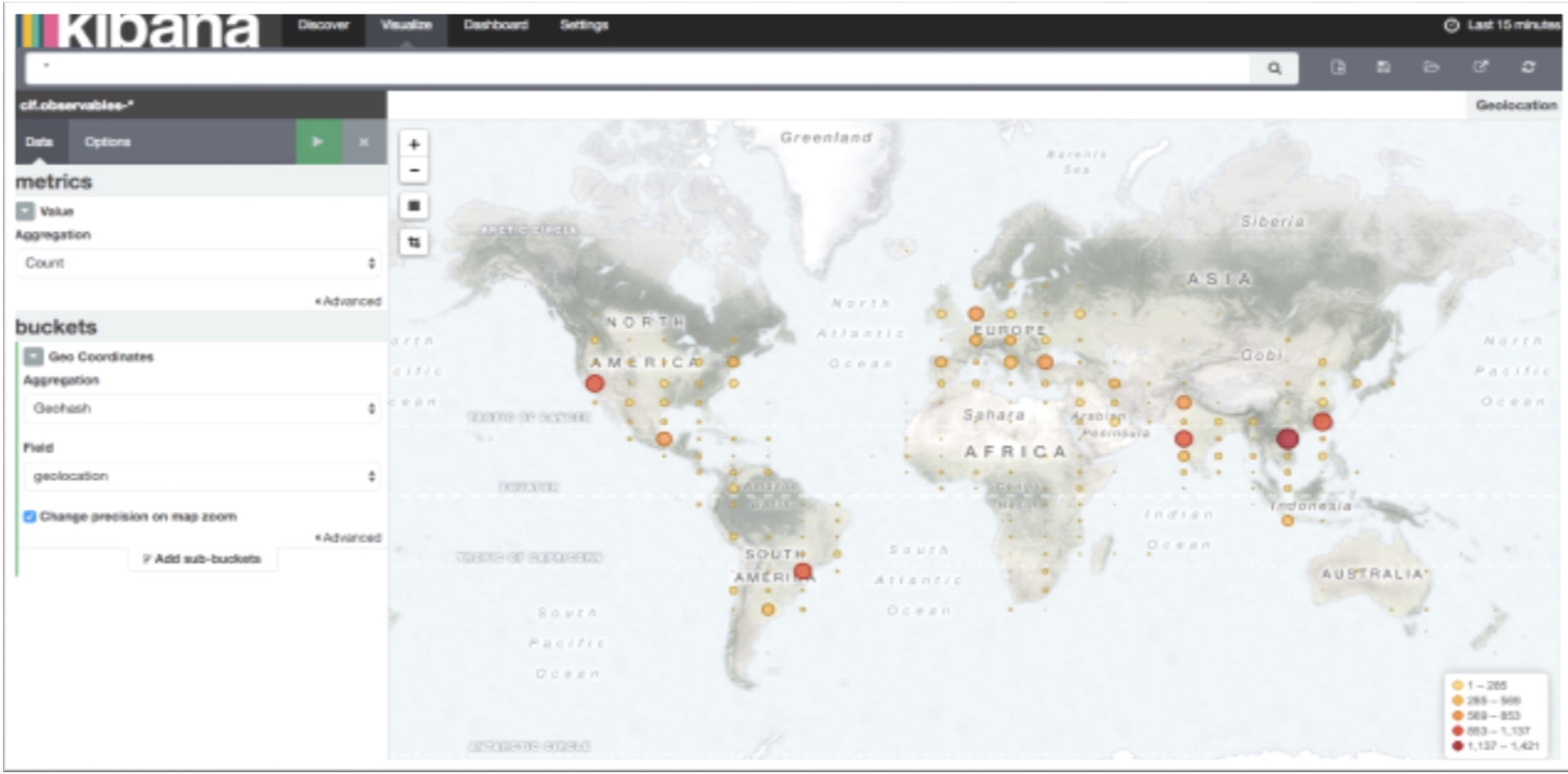
Collective Intelligence Framework
CIF

csirtgadgets.org/



Collective Intelligence Framework

CIF



*

cif.observables-*

metrics

Value

Aggregation: Count

buckets

Geo Coordinates

Aggregation: Geohash

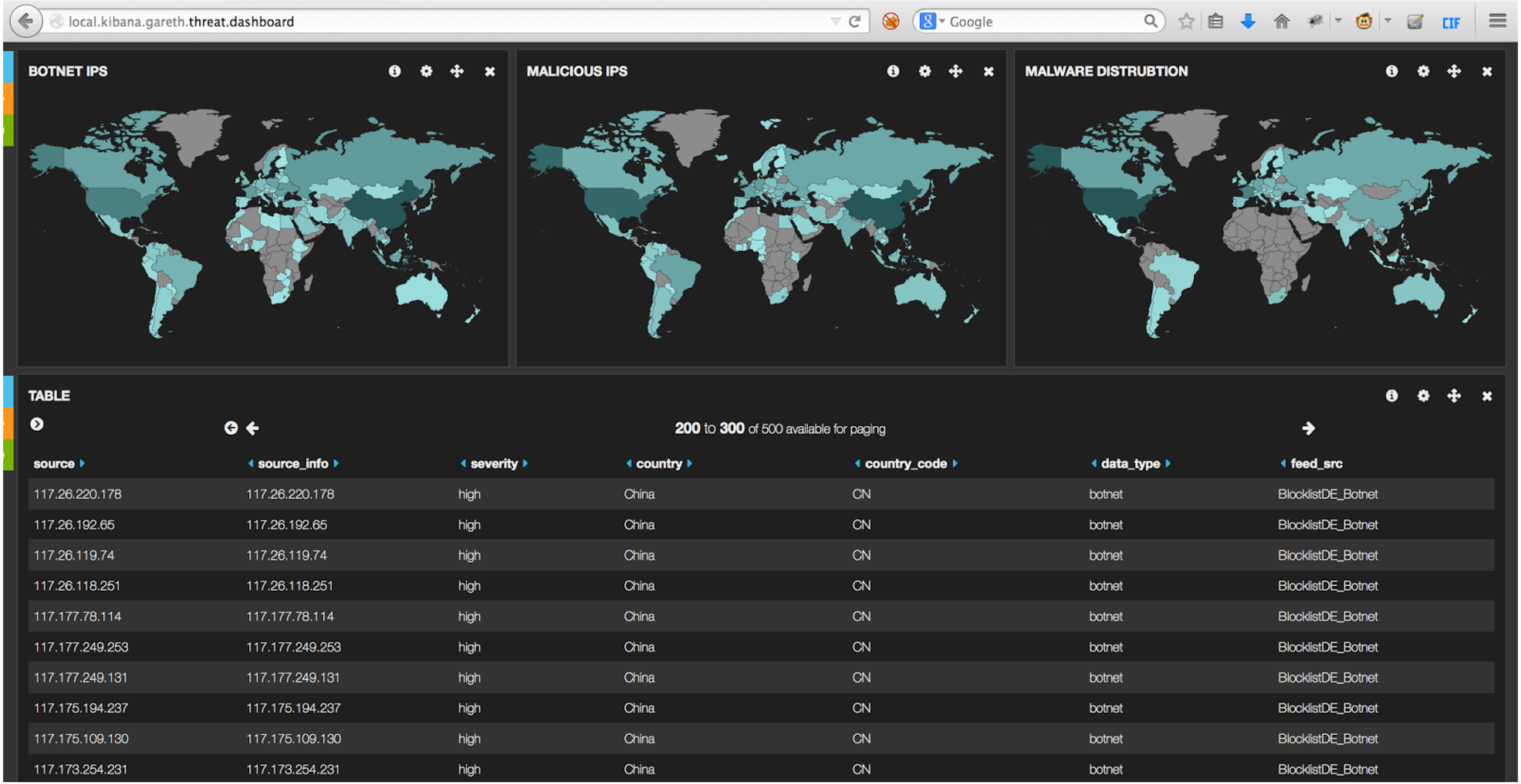
Field: geolocation

☑ Change precision on map zoom

● 1 – 285
● 285 – 569
● 569 – 853
● 853 – 1,137
● 1,137 – 1,421

Collective Intelligence Framework

CIF



200 to 300 of 500 available for paging

source	source_info	severity	country	country_code	data_type	feed_src
117.26.220.178	117.26.220.178	high	China	CN	botnet	BlocklistDE_Botnet
117.26.192.65	117.26.192.65	high	China	CN	botnet	BlocklistDE_Botnet
117.26.119.74	117.26.119.74	high	China	CN	botnet	BlocklistDE_Botnet
117.26.118.251	117.26.118.251	high	China	CN	botnet	BlocklistDE_Botnet
117.177.78.114	117.177.78.114	high	China	CN	botnet	BlocklistDE_Botnet
117.177.249.253	117.177.249.253	high	China	CN	botnet	BlocklistDE_Botnet
117.177.249.131	117.177.249.131	high	China	CN	botnet	BlocklistDE_Botnet
117.175.194.237	117.175.194.237	high	China	CN	botnet	BlocklistDE_Botnet
117.175.109.130	117.175.109.130	high	China	CN	botnet	BlocklistDE_Botnet
117.173.254.231	117.173.254.231	high	China	CN	botnet	BlocklistDE_Botnet

Digital Forensic Tools

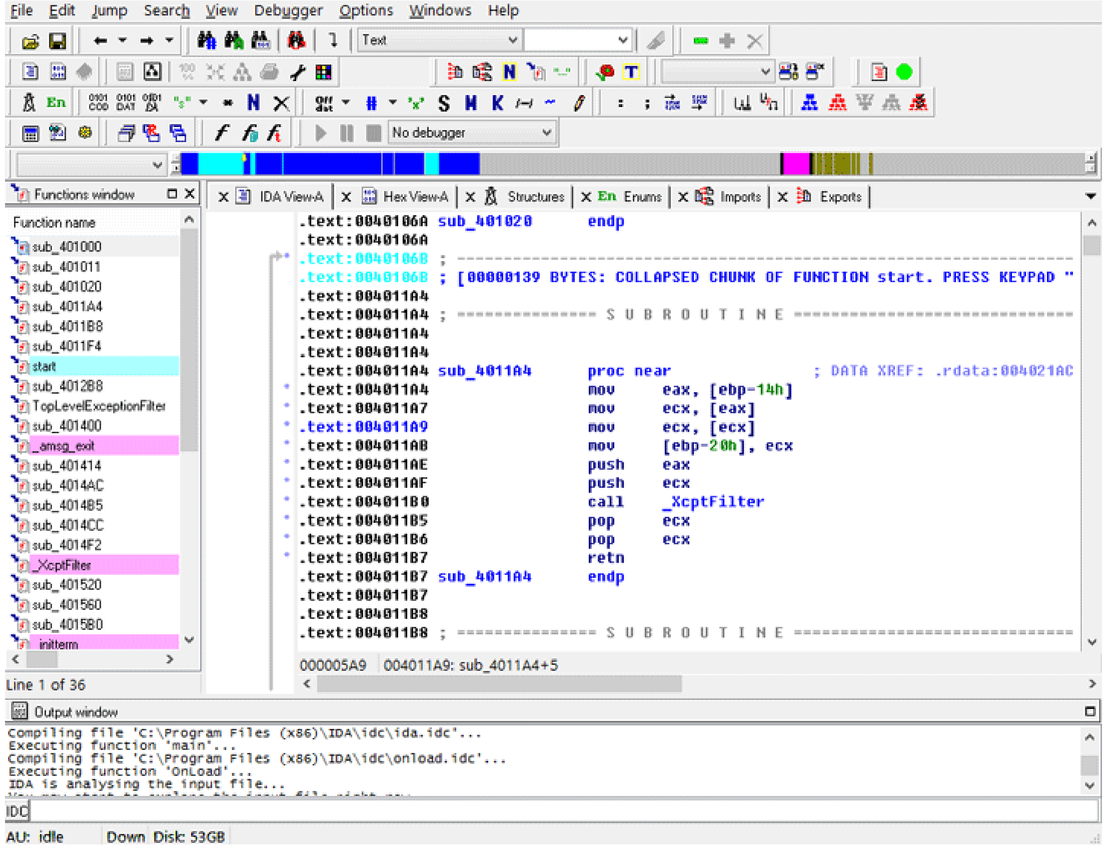
REMnux: A Linux Toolkit for Reverse-Engineering and Analyzing Malware

MALWARE AND MEMORY FORENSICS

Example of Digital Forensic Tools

Digital Forensic Tools

The Interactive Disassembler (IDA)



Function name
- sub_401000
- sub_401011
- sub_401020
- sub_4011A4
- sub_4011B8
- sub_4011F4
- start
- sub_4012B8
- TopLevelExceptionFilter
- sub_401400
- _amsg_exit
- sub_401414
- sub_4014AC
- sub_4014B5
- sub_4014CC
- sub_4014F2
- _XcptFilter
- sub_401520
- sub_401560
- sub_401580
- initterm

Line 1 of 36

```
.text:0040106A sub_401020      endp
.text:0040106A
.text:0040106B ; ---------------------------------------------------------------------------
.text:0040106B ; [00000139 BYTES: COLLAPSED CHUNK OF FUNCTION start. PRESS KEYPAD "
.text:004011A4
.text:004011A4 ; =============== S U B R O U T I N E =======================================
.text:004011A4
.text:004011A4
.text:004011A4 sub_4011A4      proc near               ; DATA XREF: .rdata:004021AC
.text:004011A4                 mov     eax, [ebp-14h]
.text:004011A7                 mov     ecx, [eax]
.text:004011A9                 mov     ecx, [ecx]
.text:004011AB                 mov     [ebp-20h], ecx
.text:004011AE                 push    eax
.text:004011AF                 push    ecx
.text:004011B0                 call    _XcptFilter
.text:004011B5                 pop     ecx
.text:004011B6                 pop     ecx
.text:004011B7                 retn
.text:004011B7 sub_4011A4      endp
.text:004011B7
.text:004011B8
.text:004011B8 ; =============== S U B R O U T I N E =======================================
```

000005A9 004011A9: sub_4011A4+5

```
Compiling file 'C:\Program Files (x86)\IDA\idc\ida.idc'...
Executing function 'main'...
Compiling file 'C:\Program Files (x86)\IDA\idc\onload.idc'...
Executing function 'OnLoad'...
IDA is analysing the input file...
```

https://www.hex-rays.com

Digital Forensic Tools

Cuckoo Sandbox is a malware analysis system.

https://**cuckoosandbox**.org/

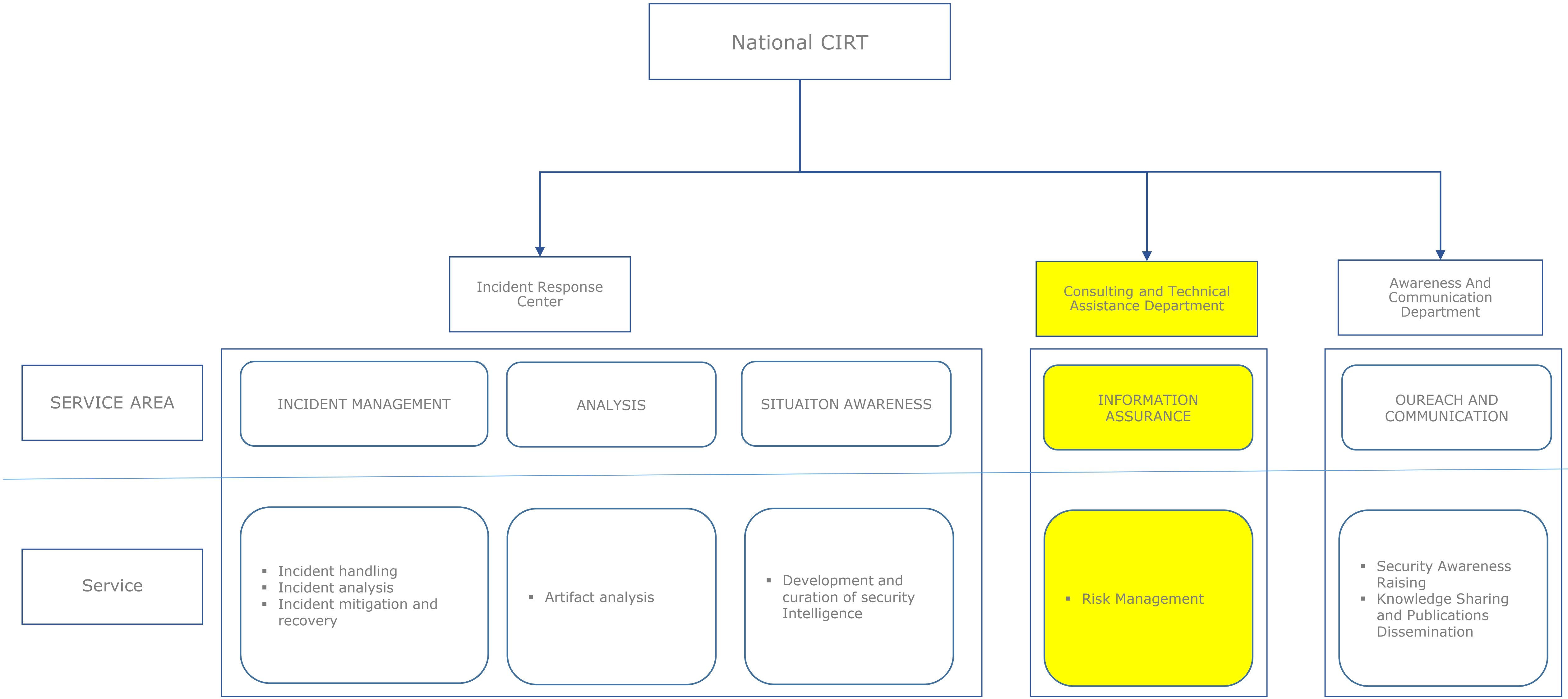
VirusTotal is a free service that analyzes suspicious files and URLs and facilitates the quick detection of viruses, worms, trojans, and all kinds of malware.

https://www.**virustotal**.com/

Malwr : Automated Malware Analysis Sandboxes and Services

https://**malwr**.com/

The Basic Services Offered by a National CIRT



National CIRT

Incident Response Center

Consulting and Technical Assistance Department

Awareness And Communication Department

SERVICE AREA

INCIDENT MANAGEMENT

ANALYSIS

SITUAITON AWARENESS

INFORMATION ASSURANCE

OUREACH AND COMMUNICATION

Service

- Incident handling
- Incident analysis
- Incident mitigation and recovery

- Artifact analysis

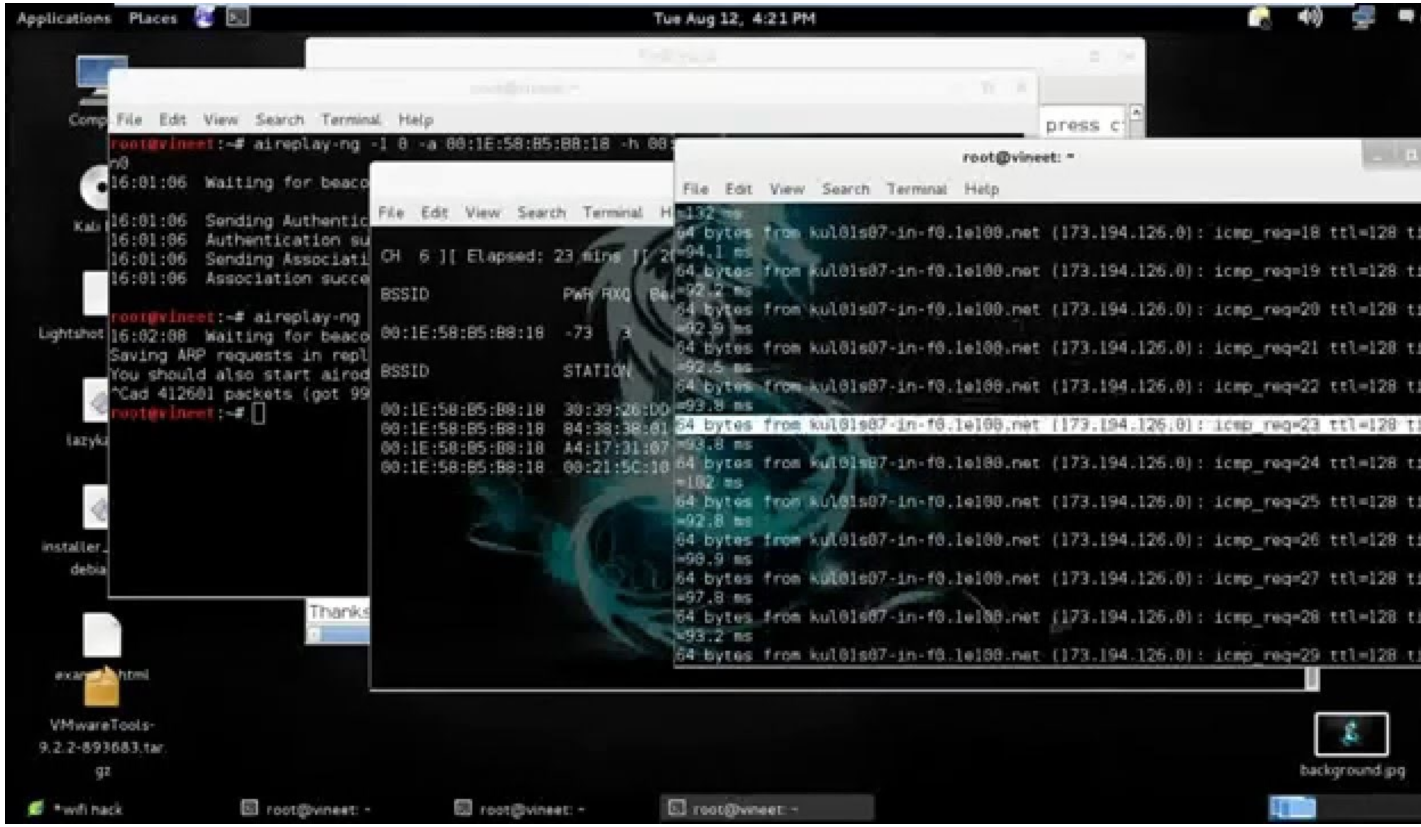
- Development and curation of security Intelligence

- Risk Management

- Security Awareness Raising
- Knowledge Sharing and Publications Dissemination

Example of Security Assessment tools

Security Assessment tools



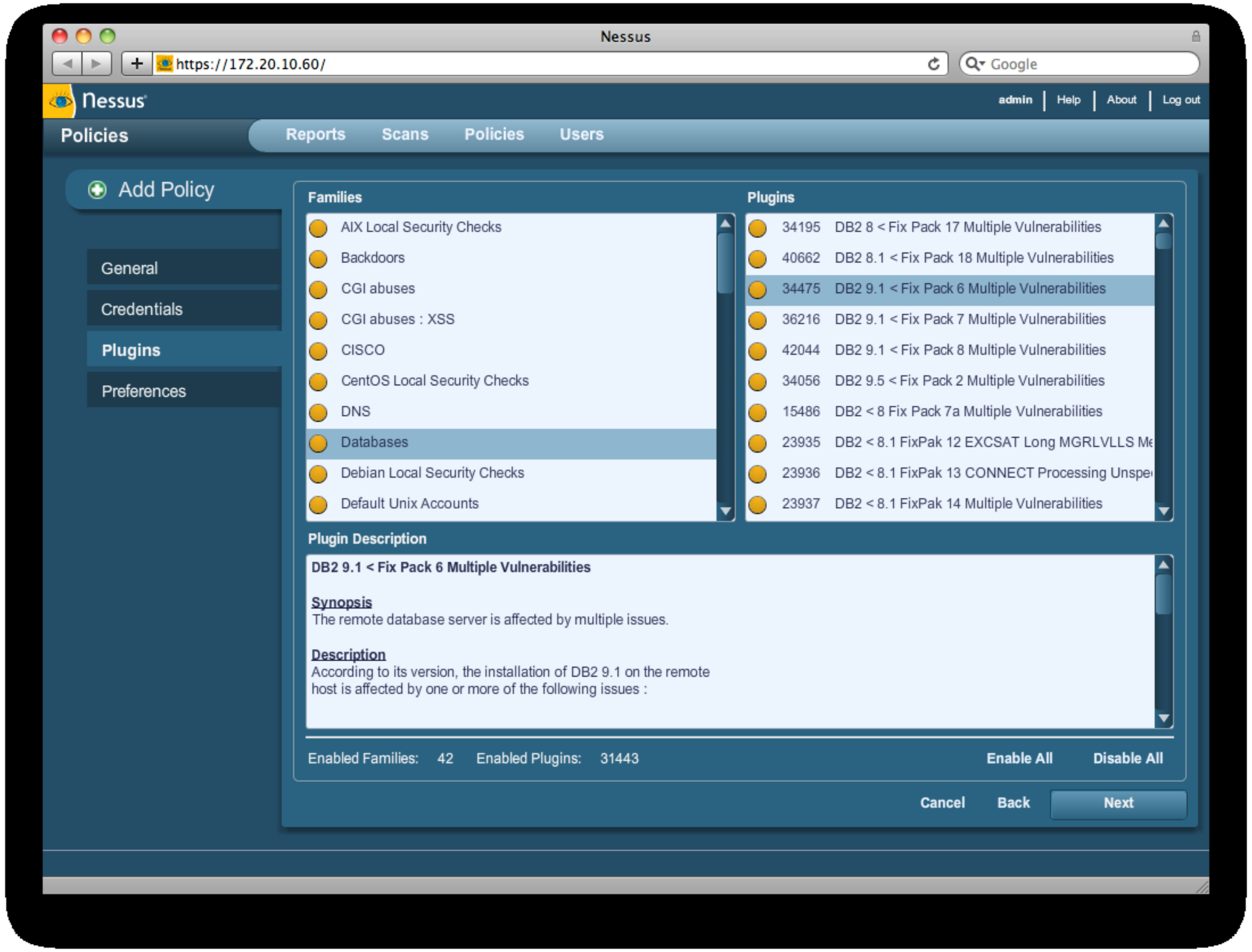
```
root@vineet:~# aireplay-ng -1 0 -a 00:1E:58:B5:B8:18 -h 00:
n0
16:01:06  Waiting for beaco

16:01:06  Sending Authentic
16:01:06  Authentication su
16:01:06  Sending Associati
16:01:06  Association succe

root@vineet:~# aireplay-ng
16:02:08  Waiting for beaco
Saving ARP requests in repl
You should also start airod
^Cad 412601 packets (got 99
root@vineet:~# 
```

```
CH  6 ][ Elapsed: 23 mins ][ 2

BSSID              PWR RXQ  Be

00:1E:58:B5:B8:18  -73    3

BSSID              STATION

00:1E:58:B5:B8:18  30:39:26:DD
00:1E:58:B5:B8:18  84:38:38:01
00:1E:58:B5:B8:18  A4:17:31:07
00:1E:58:B5:B8:18  00:21:5C:10
```

```
=132 ms
64 bytes from kul01s07-in-f0.1e100.net (173.194.126.0): icmp_req=18 ttl=128 ti
=94.1 ms
64 bytes from kul01s07-in-f0.1e100.net (173.194.126.0): icmp_req=19 ttl=128 ti
=92.2 ms
64 bytes from kul01s07-in-f0.1e100.net (173.194.126.0): icmp_req=20 ttl=128 ti
=92.9 ms
64 bytes from kul01s07-in-f0.1e100.net (173.194.126.0): icmp_req=21 ttl=128 ti
=92.5 ms
64 bytes from kul01s07-in-f0.1e100.net (173.194.126.0): icmp_req=22 ttl=128 ti
=93.8 ms
64 bytes from kul01s07-in-f0.1e100.net (173.194.126.0): icmp_req=23 ttl=128 ti
=93.8 ms
64 bytes from kul01s07-in-f0.1e100.net (173.194.126.0): icmp_req=24 ttl=128 ti
=102 ms
64 bytes from kul01s07-in-f0.1e100.net (173.194.126.0): icmp_req=25 ttl=128 ti
=92.8 ms
64 bytes from kul01s07-in-f0.1e100.net (173.194.126.0): icmp_req=26 ttl=128 ti
=90.9 ms
64 bytes from kul01s07-in-f0.1e100.net (173.194.126.0): icmp_req=27 ttl=128 ti
=97.8 ms
64 bytes from kul01s07-in-f0.1e100.net (173.194.126.0): icmp_req=28 ttl=128 ti
=93.2 ms
64 bytes from kul01s07-in-f0.1e100.net (173.194.126.0): icmp_req=29 ttl=128 ti
```

https://www.**kali**.org/

Security Assessment tools



Families

- AIX Local Security Checks
- Backdoors
- CGI abuses
- CGI abuses : XSS
- CISCO
- CentOS Local Security Checks
- DNS
- Databases
- Debian Local Security Checks
- Default Unix Accounts

Plugins

34195	DB2 8 < Fix Pack 17 Multiple Vulnerabilities
40662	DB2 8.1 < Fix Pack 18 Multiple Vulnerabilities
34475	DB2 9.1 < Fix Pack 6 Multiple Vulnerabilities
36216	DB2 9.1 < Fix Pack 7 Multiple Vulnerabilities
42044	DB2 9.1 < Fix Pack 8 Multiple Vulnerabilities
34056	DB2 9.5 < Fix Pack 2 Multiple Vulnerabilities
15486	DB2 < 8 Fix Pack 7a Multiple Vulnerabilities
23935	DB2 < 8.1 FixPak 12 EXCSAT Long MGRLVLLS Me
23936	DB2 < 8.1 FixPak 13 CONNECT Processing Unspe
23937	DB2 < 8.1 FixPak 14 Multiple Vulnerabilities

Plugin Description

DB2 9.1 < Fix Pack 6 Multiple Vulnerabilities

Synopsis
The remote database server is affected by multiple issues.

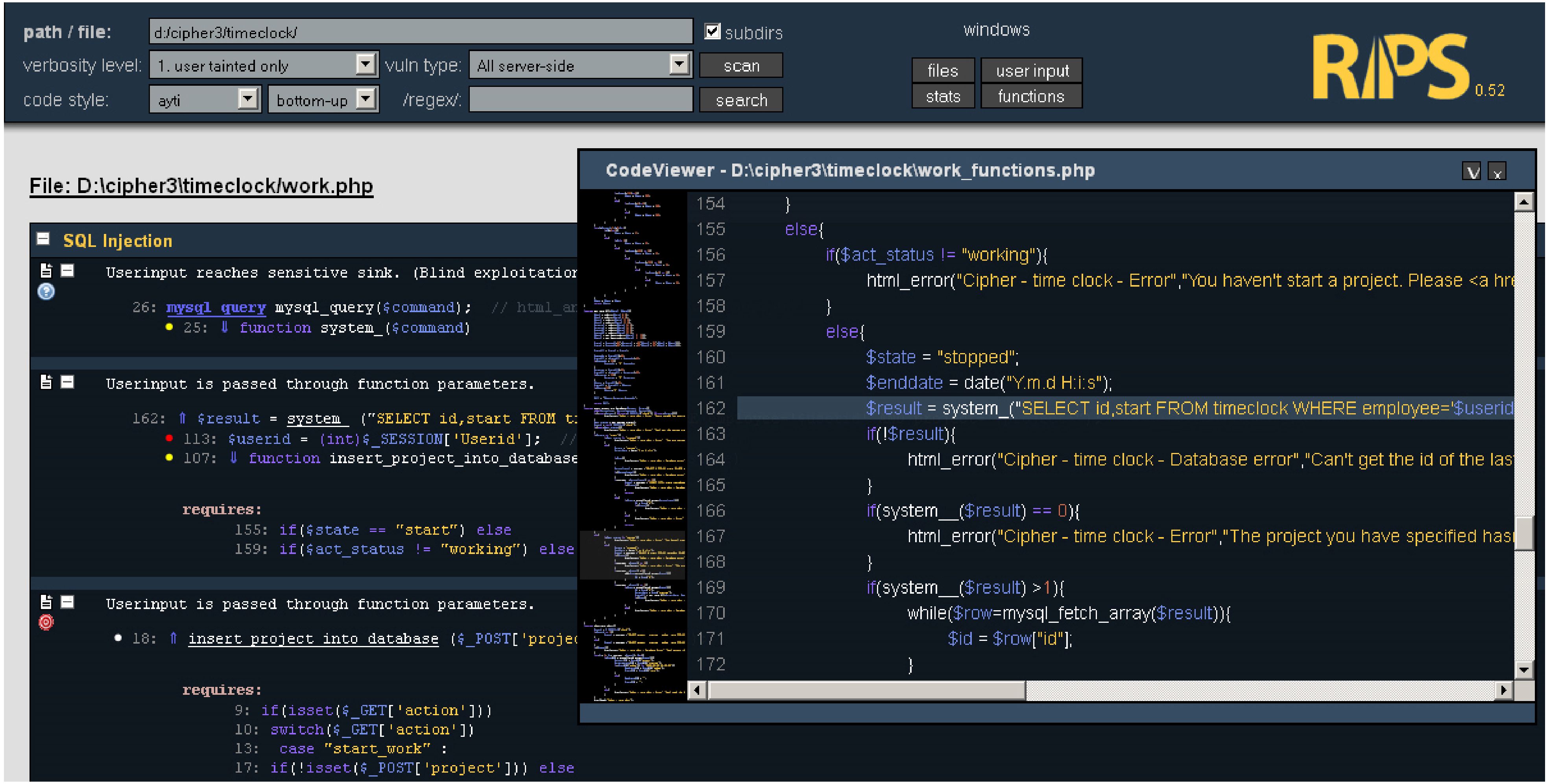
Description
According to its version, the installation of DB2 9.1 on the remote host is affected by one or more of the following issues :

Enabled Families: 42 Enabled Plugins: 31443 Enable All Disable All

https://www.tenable.com/

Nessus vulnerability scanner

static code analysis



path / file: d:/cipher3/timeclock/ ☑ subdirs

verbosity level: 1. user tainted only

vuln type: All server-side

code style: ayti bottom-up

/regex/:

File: D:\cipher3\timeclock/work.php

SQL Injection

```
Userinput reaches sensitive sink. (Blind exploitatior

    26: mysql query mysql_query($command);  // html_ar
      ● 25: ⇓ function system_($command)
```

```
Userinput is passed through function parameters.

    162: ⇑ $result = system_ ("SELECT id,start FROM t
      ● 113: $userid = (int)$_SESSION['Userid'];  //
      ● 107: ⇓ function insert_project_into_database

        requires:
              155: if($state == "start") else
              159: if($act_status != "working") else
```

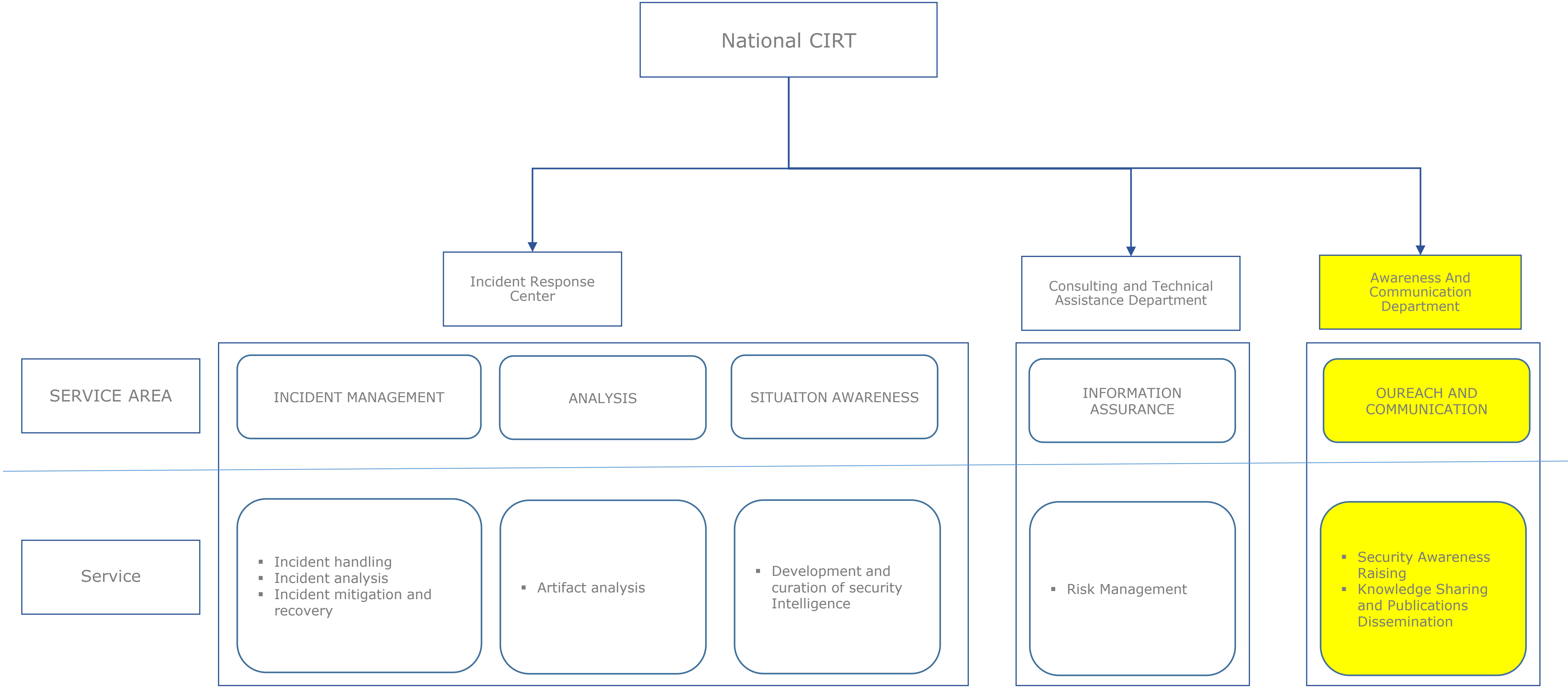
```
Userinput is passed through function parameters.

  ● 18: ⇑ insert project into database ($_POST['projec

        requires:
              9: if(isset($_GET['action']))
              10: switch($_GET['action'])
              13:  case "start_work" :
              17: if(!isset($_POST['project'])) else
```

CodeViewer - D:\cipher3\timeclock\work_functions.php

```
154      }
155      else{
156          if($act_status != "working"){
157              html_error("Cipher - time clock - Error","You haven't start a project. Please <a hre
158          }
159          else{
160              $state = "stopped";
161              $enddate = date("Y.m.d H:i:s");
162              $result = system_("SELECT id,start FROM timeclock WHERE employee='$userid
163              if(!$result){
164                  html_error("Cipher - time clock - Database error","Can't get the id of the las
165              }
166              if(system__($result) == 0){
167                  html_error("Cipher - time clock - Error","The project you have specified has
168              }
169              if(system__($result) >1){
170                  while($row=mysql_fetch_array($result)){
171                      $id = $row["id"];
172                  }
```

rips-scanner.sourceforge.net/

The Basic Services Offered by a National CIRT



National CIRT

Incident Response Center

Consulting and Technical Assistance Department

Awareness And Communication Department

SERVICE AREA

INCIDENT MANAGEMENT

ANALYSIS

SITUAITON AWARENESS

INFORMATION ASSURANCE

OUREACH AND COMMUNICATION

Service

- Incident handling
- Incident analysis
- Incident mitigation and recovery

- Artifact analysis

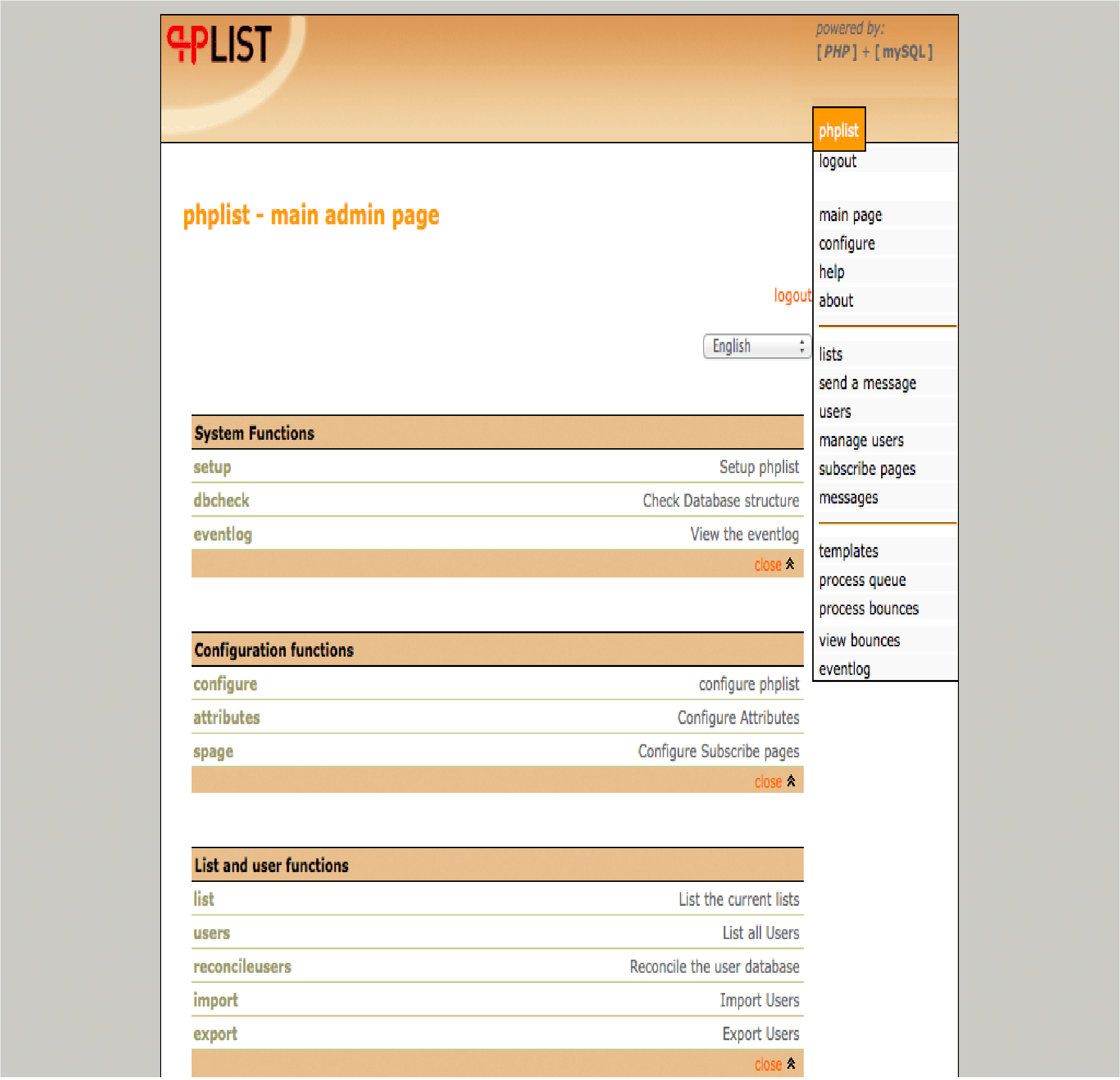
- Development and curation of security Intelligence

- Risk Management

- Security Awareness Raising
- Knowledge Sharing and Publications Dissemination

Example of Alerts, Warnings and Announcements Tools

Alerts, Warnings and Announcements Tools



phplist - main admin page

System Functions	
setup	Setup phplist
dbcheck	Check Database structure
eventlog	View the eventlog
	close

Configuration functions	
configure	configure phplist
attributes	Configure Attributes
spage	Configure Subscribe pages
	close

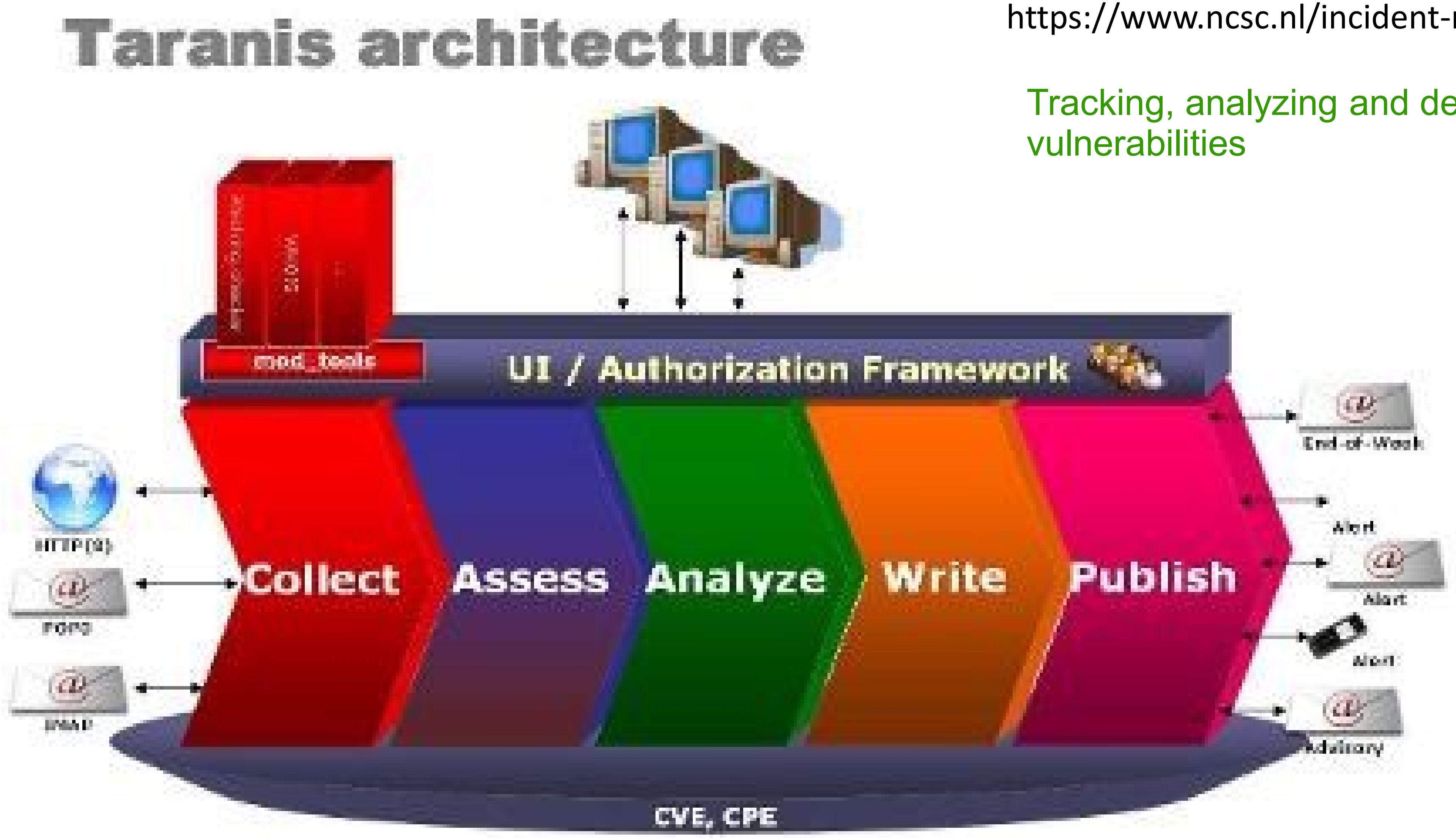
List and user functions	
list	List the current lists
users	List all Users
reconcileusers	Reconcile the user database
import	Import Users
export	Export Users
	close

https://www.**phplist**.com/

Alerts, Warnings and Announcements Tools

https://www.ncsc.nl/incident-response/taranis.html

Tracking, analyzing and describing threats and vulnerabilities



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