MICHIGAN STATE
UNIVERSITY

Alpha Presentation
Enhanced MISP User Interface

The Capstone Experience

Team GM

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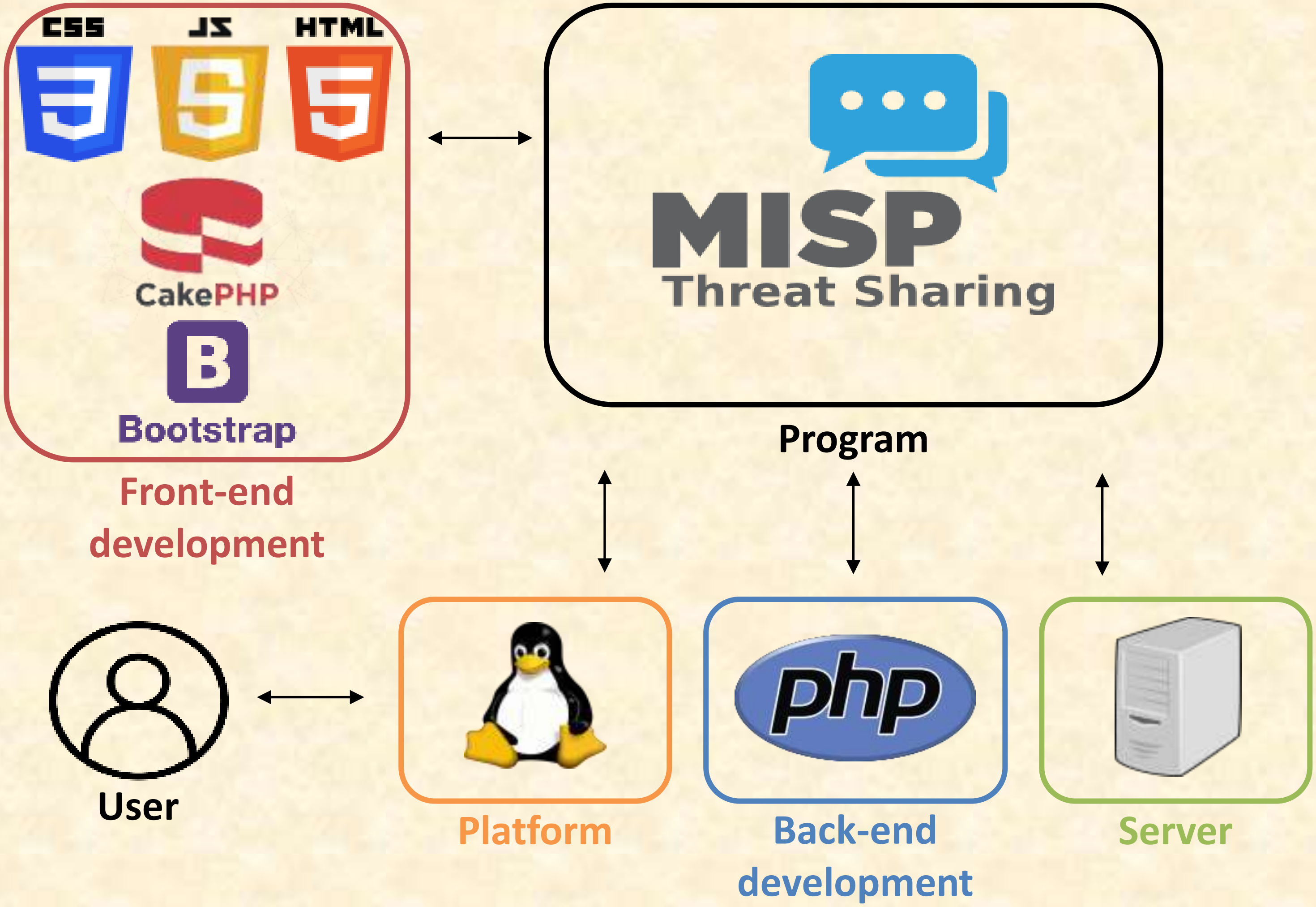
From Students…
…to Professionals

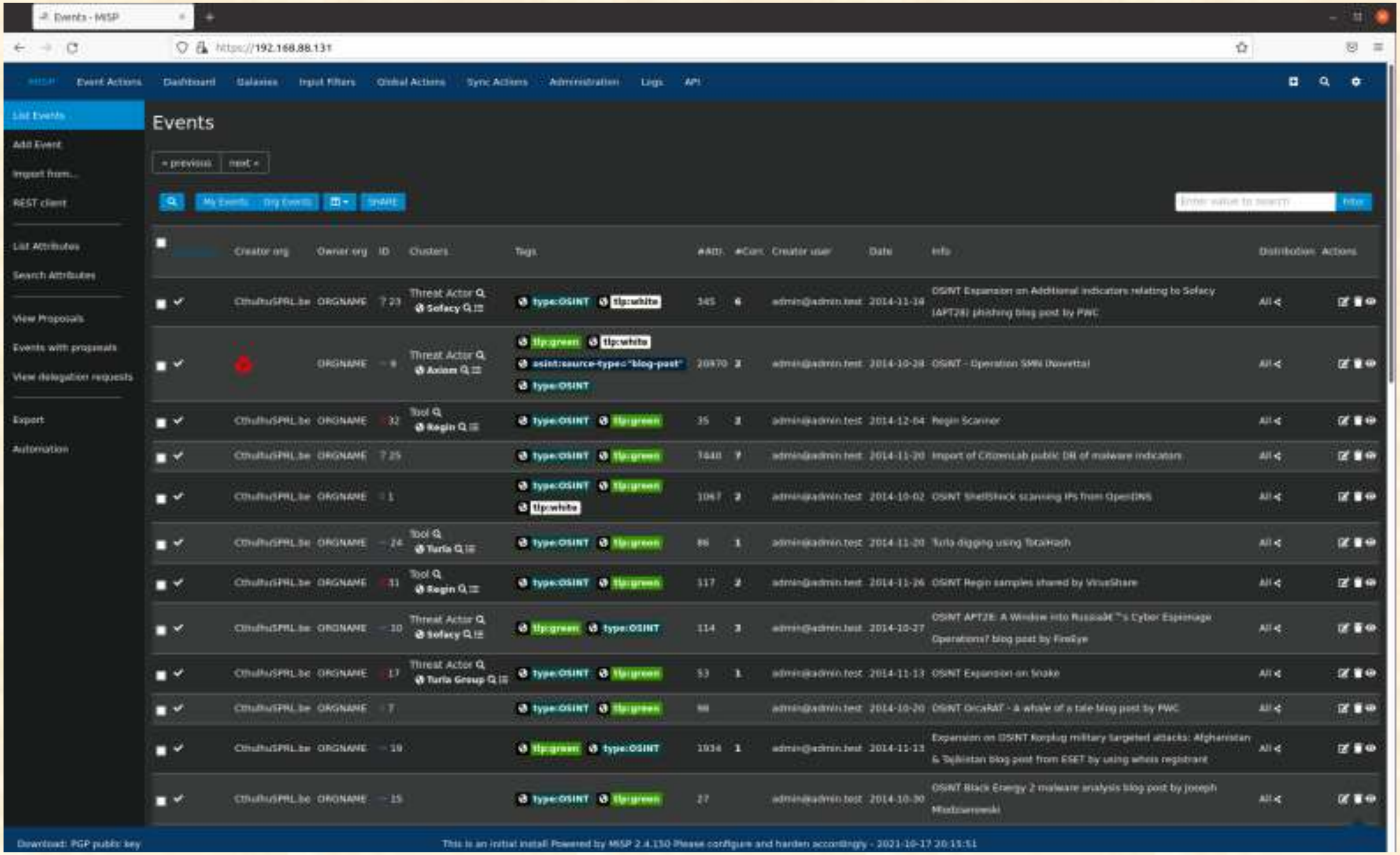
Project Overview

- MISP, Malware Information Sharing Platform, is an open-source software that allows for threat intelligence to be shared with security analysts
- Enhance UI to allow for customization of components and a simpler feel that provides a straightforward experience
- Improve existing functionalities to provide ease of use and increase productivity

System Architecture



Events



Events

☐		Creator org	Owner org	ID	Clusters	Tags	#Attr.	#Corr.	Creator user	Date	Info	Distribution	Actions
■	✓	CthulhuSPRL.be	ORGNAME	23	Threat Actor Sofacy	type:OSINT tlp:white	345	6	admin@admin.test	2014-11-18	OSINT Expansion on Additional indicators relating to Sofacy (APT28) phishing blog post by PWC	All	
■	✓		ORGNAME	9	Threat Actor Axiom	tlp:green tlp:white osint:source-type="blog-post" type:OSINT	20970	2	admin@admin.test	2014-10-28	OSINT - Operation SMN (Novetta)	All	
■	✓	CthulhuSPRL.be	ORGNAME	32	Tool Regin	type:OSINT tlp:green	35	2	admin@admin.test	2014-12-04	Regin Scanner	All	
■	✓	CthulhuSPRL.be	ORGNAME	25		type:OSINT tlp:green	7440	7	admin@admin.test	2014-11-20	Import of CitizenLab public DB of malware indicators	All	
■	✓	CthulhuSPRL.be	ORGNAME	1		type:OSINT tlp:green tlp:white	1067	2	admin@admin.test	2014-10-02	OSINT ShellShock scanning IPs from OpenDNS	All	
■	✓	CthulhuSPRL.be	ORGNAME	24	Tool Turla	type:OSINT tlp:green	86	1	admin@admin.test	2014-11-20	Turla digging using TotalHash	All	
■	✓	CthulhuSPRL.be	ORGNAME	31	Tool Regin	type:OSINT tlp:green	117	2	admin@admin.test	2014-11-26	OSINT Regin samples shared by VirusShare	All	
■	✓	CthulhuSPRL.be	ORGNAME	10	Threat Actor Sofacy	tlp:green type:OSINT	114	3	admin@admin.test	2014-10-27	OSINT APT28: A Window into Russiaâ€™s Cyber Espionage Operations? blog post by FireEye	All	
■	✓	CthulhuSPRL.be	ORGNAME	17	Threat Actor Turla Group	type:OSINT tlp:green	53	1	admin@admin.test	2014-11-13	OSINT Expansion on Snake	All	
■	✓	CthulhuSPRL.be	ORGNAME	7		type:OSINT tlp:green	98		admin@admin.test	2014-10-20	OSINT OrcaRAT - A whale of a tale blog post by PWC	All	
■	✓	CthulhuSPRL.be	ORGNAME	19		tlp:green type:OSINT	1934	1	admin@admin.test	2014-11-13	Expansion on OSINT Korplug military targeted attacks: Afghanistan & Tajikistan blog post from ESET by using whois registrant	All	
■	✓	CthulhuSPRL.be	ORGNAME	15		type:OSINT tlp:green	27		admin@admin.test	2014-10-30	OSINT Black Energy 2 malware analysis blog post by Joseph Mlodzianowski	All	

Download: PGP public key

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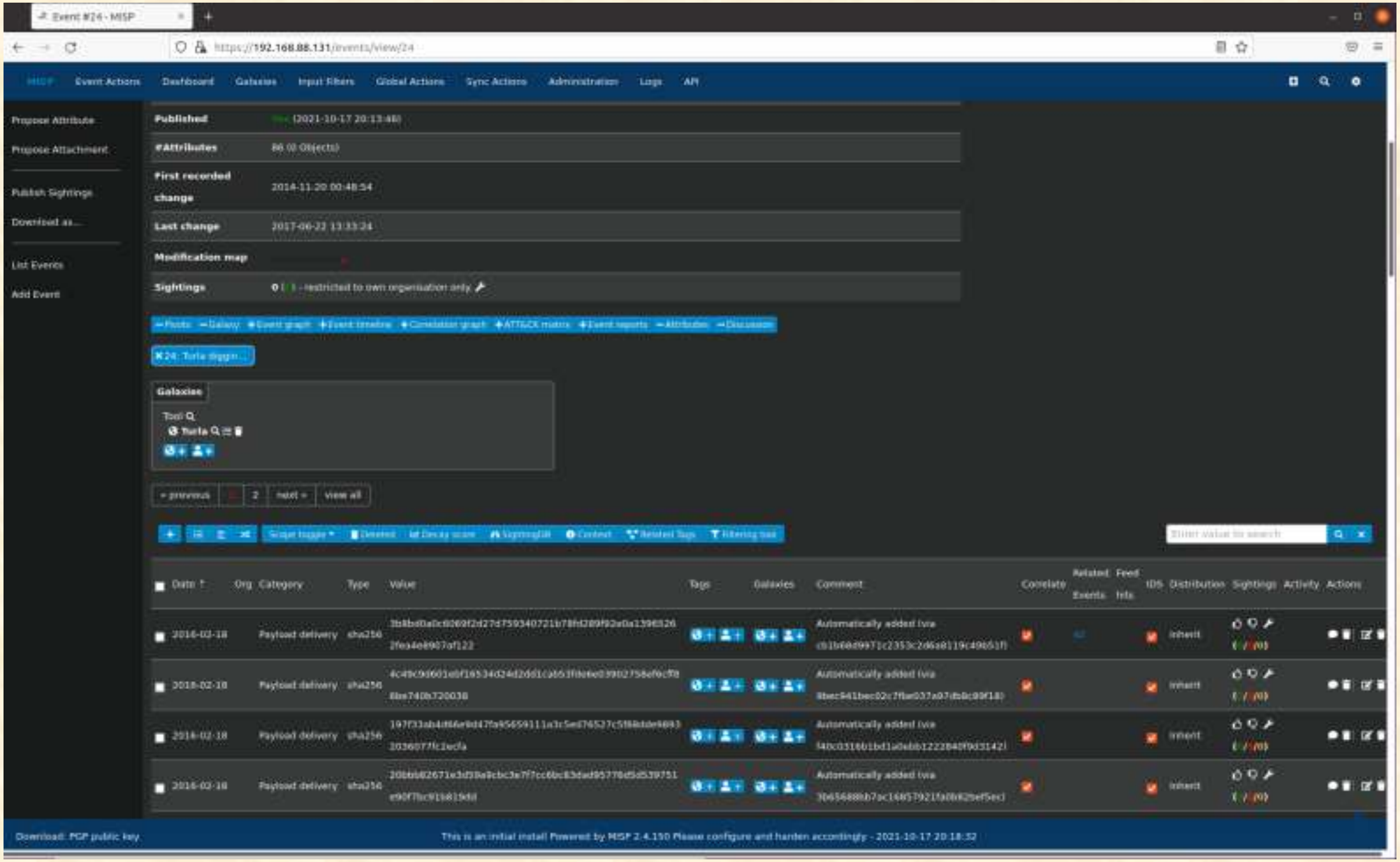
Event Attributes



Event #24 - MISP

https://192.168.88.131/events/view/24

Published	Yes (2021-10-17 20:13:48)
#Attributes	86 (0 Objects)
First recorded change	2014-11-20 00:48:54
Last change	2017-06-22 13:33:24
Modification map	
Sightings	0 (/) - restricted to own organisation only.

☐ Date ↑	Org	Category	Type	Value	Tags	Galaxies	Comment	Correlate	Related Events	Feed hits	IDS	Distribution	Sightings	Activity	Actions
☐ 2016-02-18		Payload delivery	sha256	3b8bd0a0c6069f2d27d759340721b78fd289f92e0a1396526 2fea4e8907af122			Automatically added (via c61b68d9971c2353c2d6a8119c49b51f)	☑	42		☑	Inherit	(/ /0)		
☐ 2016-02-18		Payload delivery	sha256	4c49c9d601ebf16534d24d2dd1cab53fdebe03902758efecff8 8be740b720038			Automatically added (via 8bec941bec02c7fba037a07db8c99f18)	☑			☑	Inherit	(/ /0)		
☐ 2016-02-18		Payload delivery	sha256	197f33ab4d66e9d47fa95659111a3c5ed76527c5f8bdde6893 2036077fc1ecfa			Automatically added (via f40c0316b1bd1a0ebb1222840f9d3142)	☑			☑	Inherit	(/ /0)		
☐ 2016-02-18		Payload delivery	sha256	20bbb82671e3d59a9cbc3e7f7cc6bc83dad95778d5d539751 e90f7bc91b819dd			Automatically added (via 3b65688bb7ac16f57921fa0b82ef5ec)	☑			☑	Inherit	(/ /0)		

Download: PGP public key

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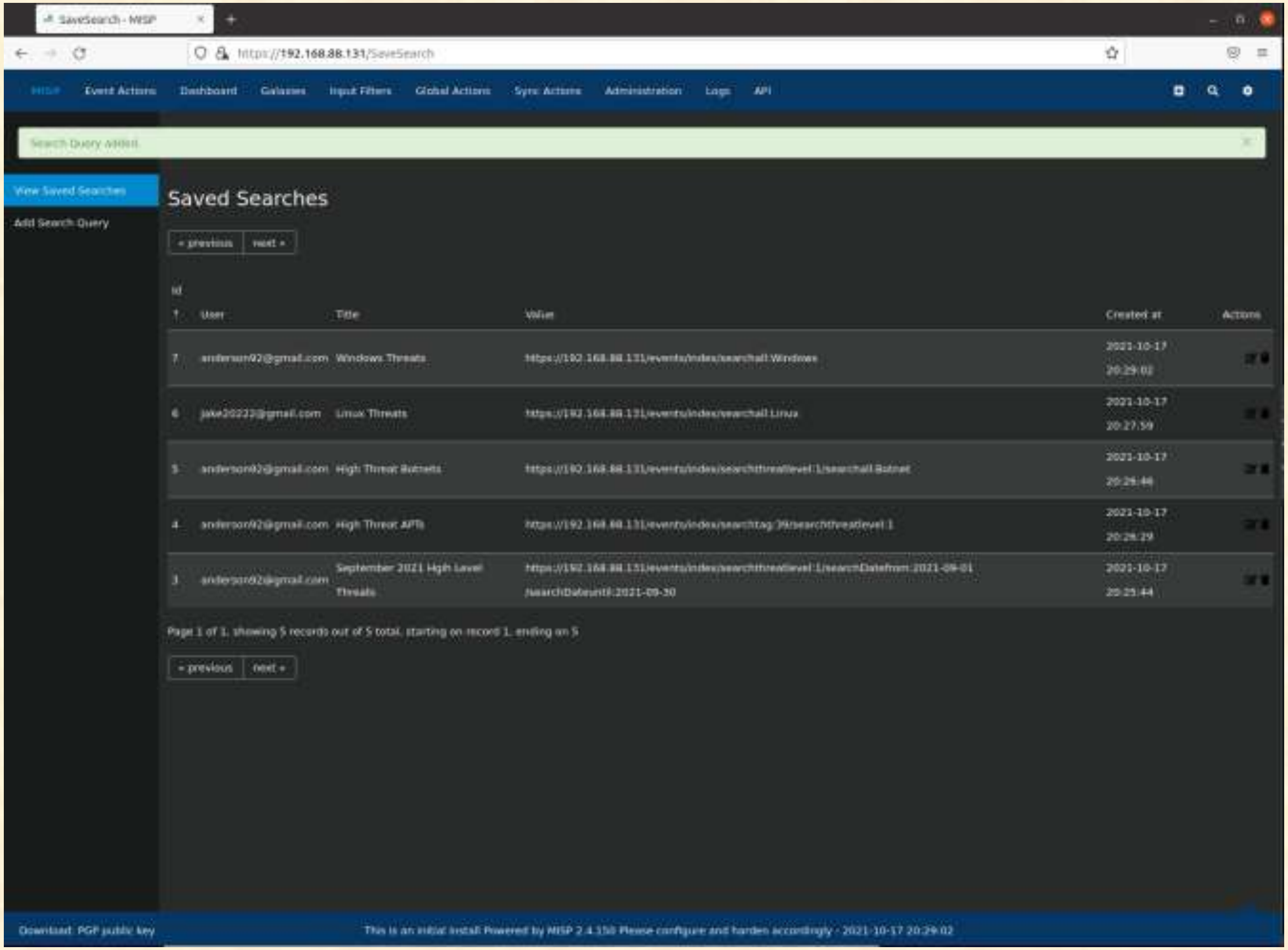
Save Search Query



Search Query added

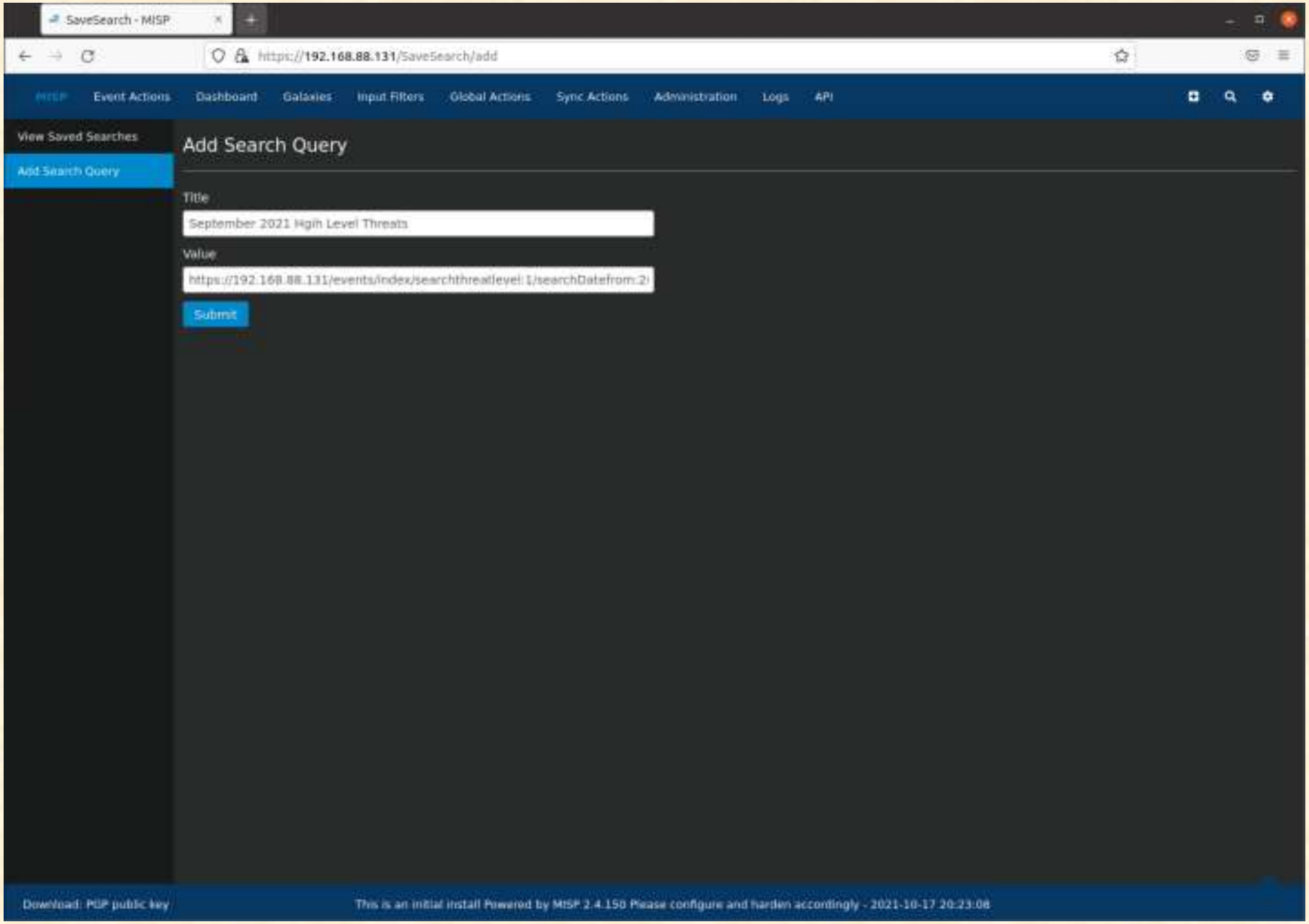
Saved Searches

Id ↑	User	Title	Value	Created at	Actions
7	anderson92@gmail.com	Windows Threats	https://192.168.88.131/events/index/searchall:Windows	2021-10-17 20:29:02	
6	jake20222@gmail.com	Linux Threats	https://192.168.88.131/events/index/searchall:Linux	2021-10-17 20:27:59	
5	anderson92@gmail.com	High Threat Botnets	https://192.168.88.131/events/index/searchthreatlevel:1/searchall:Botnet	2021-10-17 20:26:46	
4	anderson92@gmail.com	High Threat APTs	https://192.168.88.131/events/index/searchtag:39/searchthreatlevel:1	2021-10-17 20:26:29	
3	anderson92@gmail.com	September 2021 High Level Threats	https://192.168.88.131/events/index/searchthreatlevel:1/searchDatefrom:2021-09-01 /searchDateuntil:2021-09-30	2021-10-17 20:25:44	

Page 1 of 1, showing 5 records out of 5 total, starting on record 1, ending on 5

This is an initial install. Powered by MISP 2.4.150 Please configure and harden accordingly - 2021-10-17 20:29:02

Add Search Query



Add Search Query

Title

September 2021 Hgih Level Threats

Value

https://192.168.88.131/events/index/searchthreatlevel:1/searchDatefrom:2

Submit

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What’s left to do?

- Continue enhancing the MISP user interface
- Further refine search functionality
- Improve saving and sharing search query functionalities

Questions?

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