Netsurion | EventTracker®

Integrate ProtectWise

EventTracker v9.2 and above

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Abstract

This guide helps you in configuring **ProtectWise** with EventTracker to receive **ProtectWise** events. In this guide, you will find the detailed procedures required for monitoring **ProtectWise.**

Scope

The configuration details in this guide are consistent with EventTracker version v9.2 or above and **ProtectWise.**

Audience

Administrators, who are assigned the task to monitor and manage **ProtectWise** events using **EventTracker.**

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1. Overview

This guide helps you in configuring **ProtectWise** with EventTracker to receive **ProtectWise** events. In this guide, you will find the detailed procedures required for monitoring **ProtectWise.**

EventTracker's built-in knowledge pack enables you to gather business intelligence providing increased security, performance, availability, and reliability of your systems.

EventTracker, when integrated with ProtectWise, collects logs and creates detailed reports, alerts, dashboards, and categories. These attributes of EventTracker helps user to view/receive the critical and relevant information regarding security, operations and compliance.

Report contains a detailed summary of threat detected by ProtectWise in IP, URL, DNS, certificate, events and many more in column-value pair.

Alerts are triggered as soon as a high scored threat is received by EventTracker for ProtectWise

Dashboards is a graphical representation of all the activities happening in ProtectWise. These include threat category by threat level, threat by source IP, threat score for all log types and others.

These attributes or configurations of EventTracker allows administrators to quickly take appropriate actions against any threat/adversaries trying to jeopardize an organization's normal operation.

2. Prerequisites

- **EventTracker v9.2** or **above** should be installed.
- **ProtectWise** should be configured.
- **Port 514** should be open.
- **EventTracker Public IP** is required.

3. Integration of ProtectWise with EventTracker

Configuring syslog Message Forwarding
Update the **protectwise-emitter.json** file

- In the **udpAdapters,** set the **Host** as **EventTracker Public IP.**
- Set **Port** to **514.**

```
"udpAdapters": [
    {
```

```
        "host": "<dest_ip>",
        "name": "udp",
        "port": 514
      }
   ]
```

Run the protectwise-emitter. EventTracker will start receiving ProtectWise logs.

4. EventTracker Knowledge Pack

Once logs are received by EventTracker manager, knowledge packs can be configured into EventTracker.

The following Knowledge Packs are available in EventTracker to support ProtectWise.

4.1 Category

- **ProtectWise: Certificate Reputation-** This category provides threat data about certificate.
- **ProtectWise: DNS Reputation –** This category provides threat data about DNS.
- **ProtectWise: File Reputation –** This category provides threat data about file.
- **ProtectWise: URL Reputation –** This category provides threat data about URL.
- **ProtectWise: IP Reputation –** This category provides threat data about IP.
- **ProtectWise: Heuristics –** This category provides information about threat methods and tactics.
- **ProtectWise: Payload –** This category provides information about payload and threat related to it.
- **ProtectWise: Events-** This category provides information about resources that describe a threat and contains a collection of observations.

4.2 Alert

- **ProtectWise: Threat detected -** This alert is generated when any threat is detected having threat score and severity greater than 50.

4.3 Report

ProtectWise: IP Reputation - This report gives the threat information about IP. Report contains connection category, threat score and level, src and dst IP address, port and other fields which will provide a detailed view about user activity.

LogTime	Computer	Destination Ip	Destination Port	Id	Kill Chain Stage	Layer 3 Protocol	Layer 4 Protocol	Observation Direction	Protocol	Severity	Source IP
08/20/2020 11:36:36 AM	R1S5-VM30\172.27.xx.xx-SYSLOG	127.0.0.2	53	0000015477ea0f8cb2d9e10f0fa5ab8ac461d97e0005	Recon	IPv4	Tcp	None	TCP	15	127.0.0.1
08/20/2020 11:36:36 AM	R1S5-VM30\172.27.xx.xx-SYSLOG	127.0.0.2	53	0000015477ea0f8cb2d9e10f0fa5ab8ac461d97e0005	Recon	IPv4	Tcp	None	TCP	15	127.0.0.1
08/20/2020 11:36:36 AM	R1S5-VM30\172.27.xx.xx-SYSLOG	127.0.0.2	53	0000015477ea0f8cb2d9e10f0fa5ab8ac461d97e0005	Recon	IPv4	Tcp	None	TCP	15	127.0.0.1

Figure 1

Logs Considered

addl_info	+- Realtime
addl_info8	+- -UNKWNTOK-
attributes	+- Proxy
dest_ip_address	+- 127.0.0.2
dest_port_no	+- 53
event_category	+- 0
event_computer	+- 172.27.100.13-syslog
event_datetime	+- 8/24/2020 10:10:10 AM
event_datetime_utc	+- 1598244010
event_description	Aug 24 10:10:10 172.27.100.13 Aug 05 14:27:46 192.168.1.86 2020-08-05T14:27:57.480-06:00 160901-onsite-nts-01 protectwise-emitter[17790]: [ipRep] sensorName:DMZ category:Suspicious id:0000015477ea0f8cb2d9e10f0fa5ab8ac461d97e0005 observedAt:2016-05-03T12:38:30.708-06:00 isoObservedAtUTC:2016-05-03T18:38:30.708Z occurredAt:1462300708748 occurredAt:2016-05-03T12:38:28.748-06:00 isoOccurredAtUTC:2016-05-03T18:38:28.748Z observedStage:Realtime observationDirection:None killChainStage:Recon severity:15 threatLevel:Low threatScore:15 threatSubCategory:<no value> type:<no value> dstIp:127.0.0.2 srcIp:127.0.0.1 srcPort:61636 dstPort:53 proto:TCP layer3Proto:IPv4 layer4Proto:Tcp nfkey:-UNKWNTOK- nfStartedAt:1462300708748 isoNfStartedAt:2016-05-03T12:38:28.748-06:00 isoNfStartedAtUTC:2016-05-03T18:38:28.748Z ipRepCategory:Proxy ip:10.126.23.174
event_group_name	+- Default
event_id	+- 128
event_log_type	+- Application
event_source	+- SYSLOG local0
event_type	+- Error
event_user_domain	+- N/A
event_user_name	+- N/A
group_name	+- Recon
interface_in	+- DMZ

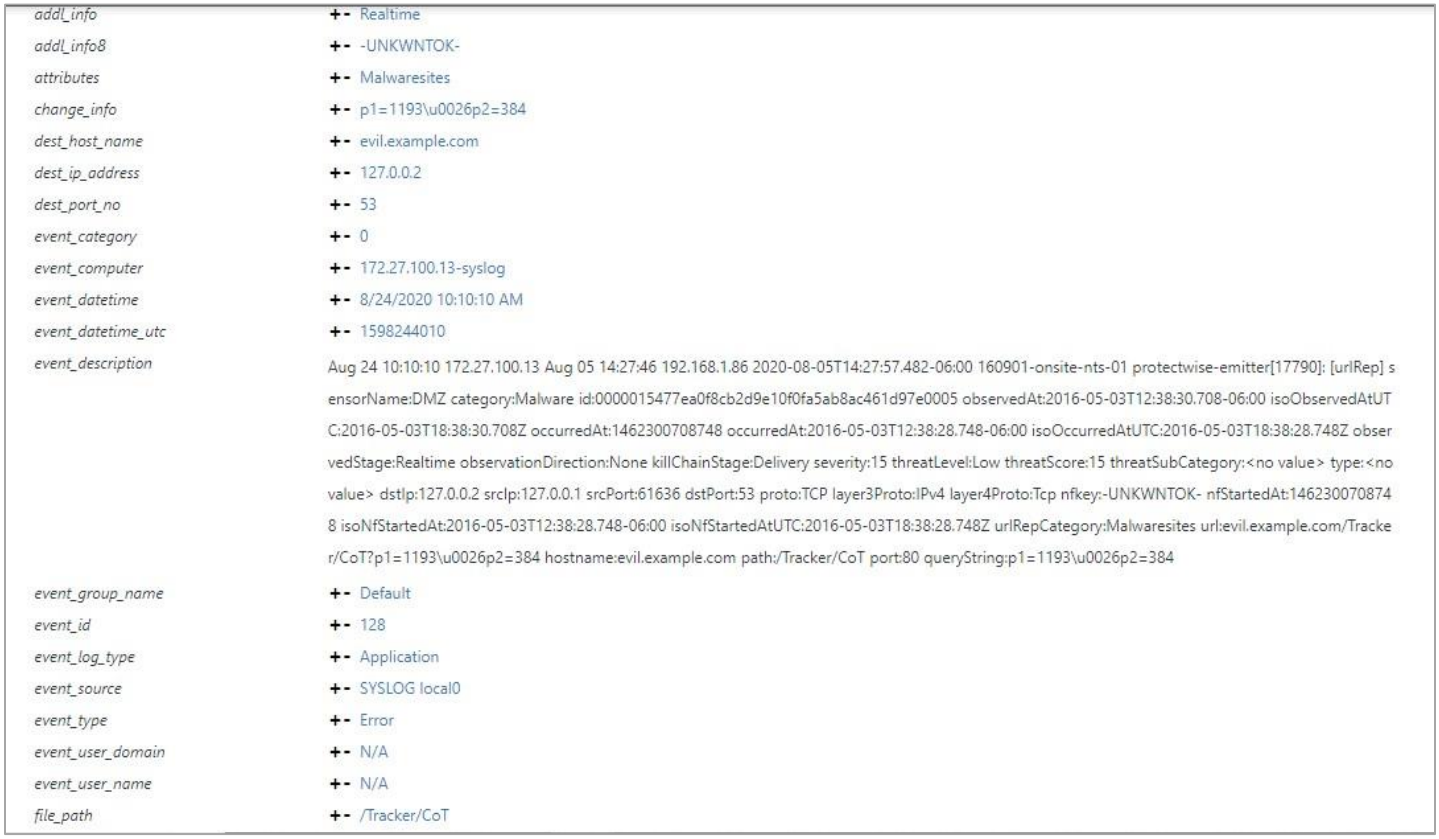
Figure 2

- **ProtectWise: URL Reputation -** This report gives the threat information about URL. Report contains category, threat score and level, severity, URL reputation category and other details which can be used for further investigation.

LogTime	Computer	Category	Destination Ip	Destination Port	Hostname	Id	Kill Chain Stage	Layer 3 Protocol	Layer 4 Protocol	Observation Direction	Observed St
08/20/2020 11:36:36 AM	R1S5-VM30\172.27.100.13-SYSLOG	Malware	127.0.0.2	53	evil.example.com	0000015477ea0f8cb2d9e10f0fa5ab8ac461d97e0005	Delivery	IPv4	Tcp	None	Realtime
08/20/2020 11:36:36 AM	R1S5-VM30\172.27.100.13-SYSLOG	Malware	127.0.0.2	53	evil.example.com	0000015477ea0f8cb2d9e10f0fa5ab8ac461d97e0005	Delivery	IPv4	Tcp	None	Realtime
08/20/2020 11:36:36 AM	R1S5-VM30\172.27.100.13-SYSLOG	Malware	127.0.0.2	53	evil.example.com	0000015477ea0f8cb2d9e10f0fa5ab8ac461d97e0005	Delivery	IPv4	Tcp	None	Realtime

Figure 3

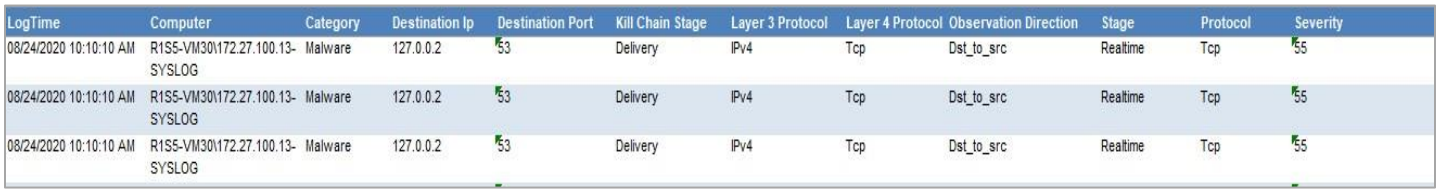
Logs Considered



addl_info	+- Realtime
addl_info8	+- -UNKWNTOK-
attributes	+- Malwaresites
change_info	+- p1=1193\u0026p2=384
dest_host_name	+- evil.example.com
dest_ip_address	+- 127.0.0.2
dest_port_no	+- 53
event_category	+- 0
event_computer	+- 172.27.100.13-syslog
event_datetime	+- 8/24/2020 10:10:10 AM
event_datetime_utc	+- 1598244010
event_description	Aug 24 10:10:10 172.27.100.13 Aug 05 14:27:46 192.168.1.86 2020-08-05T14:27:57.482-06:00 160901-onsite-nts-01 protectwise-emitter[17790]: [urlRep] sensorName:DMZ category:Malware id:0000015477ea0f8cb2d9e10f0fa5ab8ac461d97e0005 observedAt:2016-05-03T12:38:30.708-06:00 isoObservedAtUTC:2016-05-03T18:38:30.708Z occurredAt:1462300708748 occurredAt:2016-05-03T12:38:28.748-06:00 isoOccurredAtUTC:2016-05-03T18:38:28.748Z observedStage:Realtime observationDirection:None killChainStage:Delivery severity:15 threatLevel:Low threatScore:15 threatSubCategory:<no value> type:<no value> dstIp:127.0.0.2 srcIp:127.0.0.1 srcPort:61636 dstPort:53 proto:TCP layer3Proto:IPv4 layer4Proto:Tcp nfkey:-UNKWNTOK- nfStartedAt:1462300708748 isoNfStartedAt:2016-05-03T12:38:28.748-06:00 isoNfStartedAtUTC:2016-05-03T18:38:28.748Z urlRepCategory:Malwaresites url:evil.example.com/Tracker/CoT?p1=1193\u0026p2=384 hostname:evil.example.com path:/Tracker/CoT port:80 queryString:p1=1193\u0026p2=384
event_group_name	+- Default
event_id	+- 128
event_log_type	+- Application
event_source	+- SYSLOG local0
event_type	+- Error
event_user_domain	+- N/A
event_user_name	+- N/A
file_path	+- /Tracker/CoT

Figure 4

- **ProtectWise: File Reputation –** This report gives threat information about File. Report contains category, file type, threat score and level and other useful details for further investigation.



LogTime	Computer	Category	Destination Ip	Destination Port	Kill Chain Stage	Layer 3 Protocol	Layer 4 Protocol	Observation Direction	Stage	Protocol	Severity
08/24/2020 10:10:10 AM	R1S5-VM30\172.27.100.13-SYSLOG	Malware	127.0.0.2	53	Delivery	IPv4	Tcp	Dst_to_src	Realtime	Tcp	55
08/24/2020 10:10:10 AM	R1S5-VM30\172.27.100.13-SYSLOG	Malware	127.0.0.2	53	Delivery	IPv4	Tcp	Dst_to_src	Realtime	Tcp	55
08/24/2020 10:10:10 AM	R1S5-VM30\172.27.100.13-SYSLOG	Malware	127.0.0.2	53	Delivery	IPv4	Tcp	Dst_to_src	Realtime	Tcp	55

Figure 5

Logs Considered

addl_info	+- Realtime
addl_info8	+- -UNKWNTOK-
dest_ip_address	+- 127.0.0.2
dest_port_no	+- 53
event_category	+- 0
event_computer	+- 172.27.100.13-syslog
event_datetime	+- 8/24/2020 10:10:10 AM
event_datetime_utc	+- 1598244010
event_description	Aug 24 10:10:10 172.27.100.13 Aug 05 14:27:46 192.168.1.86 2020-08-05T14:27:57.464-06:00 160901-onsite-nts-01 protectwise-emitter[17790]: [fileRep] sensorName:DMZ category:Malware id:000001546d3d8c34dfed1536f84fc28966c8c57f0007 observedAt:2016-05-03T12:39:33.053-06:00 isoObservedAtUTC:2016-05-03T18:39:33.053Z occurredAt:1462121630930 occurredAt:2016-05-01T10:53:50.930-06:00 isoOccurredAtUTC:2016-05-01T16:53:50.930Z observedStage:Realtime observationDirection:Dst_to_src killChainStage:Delivery severity:55 threatLevel:Medium threatScore:54 threatSubCategory:<no value> type:PE dstIp:127.0.0.2 srcIp:127.0.0.1 srcPort:1048 dstPort:53 proto:Tcp layer3Proto:IPv4 layer4Proto:Tcp nfkey:-UNKWNTOK- nfStartedAt:1462121630772 isoNfStartedAt:2016-05-01T10:53:50.772-06:00 isoNfStartedAtUTC:2016-05-01T16:53:50.772Z
event_group_name	+- Default
event_id	+- 128
event_log_type	+- Application
event_source	+- SYSLOG local0
event_type	+- Error
event_user_domain	+- N/A
event_user_name	+- N/A
group_name	+- Delivery
interface_in	+- DMZ
log_datetime	+- 2016-05-03T18:39:33.053Z
log_direction	+- Dst_to_src

Figure 6

- **ProtectWise: DNS Reputation –** This report gives threat information about DNS. Report contains threat category, score, level, DNS query, src and ds tip, port and other useful information.

LogTime	Computer	Category	Dns Conversation	Dns Rep Category	Destination Ip	Destination Port	Id	Dns	Kill Chain Stage
08/20/2020 11:36:36 AM	R1S5-VM30\172.27.xx.xx-SYSLOG	Suspicious	query:[{query:jpdiyo2tuwsma5f4z0qoq4azid.com,queryType:IPV4_AD	MachineGenerated	127.0.0.2	53	0000015477eab48c409250cd993e2774610457c00008	jpdiyo2tuwsma5f4z0qoq4azid.com	Beacon
08/20/2020 11:36:36 AM	R1S5-VM30\172.27.xx.xx-SYSLOG	Suspicious	query:[{query:jpdiyo2tuwsma5f4z0qoq4azid.com,queryType:IPV4_AD	MachineGenerated	127.0.0.2	53	0000015477eab48c409250cd993e2774610457c00008	jpdiyo2tuwsma5f4z0qoq4azid.com	Beacon
08/20/2020 11:36:36 AM	R1S5-VM30\172.27.xx.xx-SYSLOG	Suspicious	query:[{query:jpdiyo2tuwsma5f4z0qoq4azid.com,queryType:IPV4_AD	MachineGenerated	127.0.0.2	53	0000015477eab48c409250cd993e2774610457c00008	jpdiyo2tuwsma5f4z0qoq4azid.com	Beacon

Figure 7

Logs Considered

addl_info	+- Realtime
addl_info8	+- -UNKWNTOK-
attributes	+- MachineGenerated
change_info	+- {query:[{query:jpdiyo2tuwsma5f4z0qoq4azid.com,queryType:IPV4_ADDRESS}],response:[{com:[{response:{hostname:a.gtld-servers.net,ipAddress:null},responseType:6,ttl:900}]}],responseCode:No_such_name,transactionId:9731}
dest_host_name	+- a.gtld-servers.net
dest_ip_address	+- 127.0.0.2
dest_port_no	+- 53
event_category	+- 0
event_computer	+- 172.27.100.13-syslog
event_datetime	+- 8/24/2020 10:10:10 AM
event_datetime_utc	+- 1598244010
event_description	Aug 24 10:10:10 172.27.100.13 Aug 05 14:27:41 192.168.1.86 2020-08-05T14:27:56.449-06:00 160901-onsite-nts-01 protectwise-emitter[17790]: [dnsRep] sensorName:DMZ category:Suspicious id:0000015477eab48c409250cd993e2774610457c00008 observedAt:2016-05-03T12:39:32.927-06:00 isoObservedAtUTC:2016-05-03T18:39:32.927Z occurredAt:1462300767491 occurredAt:2016-05-03T12:39:27.491-06:00 isoOccurredAtUTC:2016-05-03T18:39:27.491Z observedStage:Realtime observationDirection:None killChainStage:Beacon severity:45 threatLevel:Medium threatScore:45 threatSubCategory:<no value> type:<no value> dstIp:127.0.0.2 srcIp:127.0.0.1 srcPort:49408 dstPort:53 proto:Udp layer3Proto:IPv4 layer4Proto:Udp nfkey:-UNKWNTOK- nfStartedAt:1462300750988 isoNfStartedAt:2016-05-03T12:39:10.988-06:00 isoNfStartedAtUTC:2016-05-03T18:39:10.988Z dns:jpdiyo2tuwsma5f4z0qoq4azid.com dnsRepCategory:MachineGenerated dnsConversation:{query:[{query:jpdiyo2tuwsma5f4z0qoq4azid.com,queryType:IPV4_ADDRESS}],response:[{com:[{response:{hostname:a.gtld-servers.net,ipAddress:null},responseType:6,ttl:900}]}],responseCode:No_such_name,transactionId:9731}
event_group_name	+- Default
event_id	+- 128
event_log_type	+- Application
event_source	+- SYSLOG local0

Figure 8

- **ProtectWise: Certificate Reputation -** This report gives threat information about certificate. Report contains threat category, level, score, signing chain, src and dst IP and other useful information for further analysis.

LogTime	Computer	Category	Id	Observed Stage	Observation Direction	Kill Chain Stage	Severity	Organization Name	Protocol	Source IP
08/24/2020 10:10:10 AM	R1S5-VM30\172.27.100.13-SYSLOG	MaliciousHost	0000015477ea0f8cb2d9e10f0fa5ab8ad92dd8670009	Realtime	None	Cnc	45	null	Tcp	127.0.0.1
08/24/2020 10:10:10 AM	R1S5-VM30\172.27.100.13-SYSLOG	MaliciousHost	0000015477ea0f8cb2d9e10f0fa5ab8ad92dd8670009	Realtime	None	Cnc	45	null	Tcp	127.0.0.1
08/24/2020 10:10:10 AM	R1S5-VM30\172.27.100.13-SYSLOG	MaliciousHost	0000015477ea0f8cb2d9e10f0fa5ab8ad92dd8670009	Realtime	None	Cnc	45	null	Tcp	127.0.0.1

Figure 9

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Logs Considered

dest_ip_address	+- 127.0.0.2
dest_port_no	+- 53
enc_type	+- d56903015ed98278e6a8c83514e90fc1eac70203
event_category	+- 0
event_computer	+- 172.27.100.13-syslog
event_datetime	+- 8/24/2020 10:10:10 AM
event_datetime_utc	+- 1598244010
event_description	Aug 24 10:10:10 172.27.100.13 Aug 05 14:27:46 192.168.1.86 2020-08-05T14:27:57.476-06:00 160901-onsite-nts-01 protectwise-emitter[17790]: [certRep] sensorName:DMZ category:MaliciousHost id:0000015477ea0f8cb2d9e10f0fa5ab8ad92dd8670009 observedAt:2016-05-03T12:38:30.896-06:00 isObservedAtUTC:2016-05-03T18:38:30.896Z occurredAt:1462300708948 occurredAt:2016-05-03T12:38:28.948-06:00 isoOccurredAtUTC:2016-05-03T18:38:28.948Z observedStage:Realtime observationDirection:None killChainStage:Cnc severity:45 threatLevel:Low threatScore:33 threatSubCategory:<no value> type:<no value> dstIp:127.0.0.2 srcIp:127.0.0.1 srcPort:9001 dstPort:53 proto:Tcp layer3Proto:IPv4 layer4Proto:Tcp nfkey:-UNKWNTOK- nfStartedAt:1462300708748 isoNfStartedAt:2016-05-03T12:38:28.748-06:00 isoNfStartedAtUTC:2016-05-03T18:38:28.748Z signingChain:[{alternateNames:null,commonName:www.rrob74a635taf.net,data:308201c33082012ca003020102020900f31f3d18caae9f4f300d06092a864886f70d01010505003027312530230603550403 0c1c7777772e6167353632766d70716e627a37376c78676d726b2e636f6d301e170d313531323233303030303030305a170d313631303236303030303030305a3020311e301c06035504030c157777772e72726f62373461363335746166 2e6e657430819f300d06092a864886f70d010101050003818d0030818902818100936244e022b91bfa5cb1295e75e866013abd96014f9829d3e278455f0eff657fc851f3ef2598893cfbd1390ea1e1074c874ccb32f50f3efaed3f460fbc9e6a77b6c0cc3698587743686bff1610a5e64886f16e023bc64ba76115e14a3c18779b3e0f8cc075ac04e7c695a4574a9abfe1f0aa6fc85448d3ccc3d796042dfa60710203010001300d06092a864886f70d0101050500038181 0056c6662fb2615d5c8e1d49949b19d0e2c72d558abe42ea57e00ca9e90710897df53dda74479c3595a2c7320f752f2e508e387b7ee6f16c61edd83348ecc0bd48dabab63e7d4f36d7fef94d0c86379077776394ceba13b9f94c46a8ecf421e08d3e81f0922c301b67474a592decfcdd24134b609d6ab870dba8c97b16c7321dfe,isComplete:true,issuer:www.ag562vmpqnbz77lxgmrk.com,md5:712c1b5f4e857aa07da7605c296d2646,organizationName:null,serialNumber:00f31f3d18caae9f4f,sha1:d56903015ed98278e6a8c83514e90fc1eac70203,validNotAfter:1.477440000000e+12,validNotBefore:1.450828800000e+13}]
event_group_name	+- Default
event_id	+- 128
event_log_type	+- Application

Figure 10

- **ProtectWise: Payload -** This report gives threat data about Payload. Report contains threat category, level, score, src and dst IP and other useful information for further analysis.

LogTime	Computer	Description	Category	Classification	Destination Ip	Destination Port	Kill Chain Stage	Layer 3 Protocol	Layer 4 Protocol	Observation Direction	Observed Sta
08/24/2020 10:10:10 AM	R1S5-VM30\172.27.xx.xx-SYSLOG	Delivery Test Observation signatureId:68114152	Malware	trojan-activity	127.0.0.2	53	Delivery	IPv4	Udp	None	Realtime
08/24/2020 10:10:10 AM	R1S5-VM30\172.27.xx.xx-SYSLOG	Delivery Test Observation signatureId:68114152	Malware	trojan-activity	127.0.0.2	53	Delivery	IPv4	Udp	None	Realtime
08/24/2020 10:10:10 AM	R1S5-VM30\172.27.xx.xx-SYSLOG	Delivery Test Observation signatureId:68114152	Malware	trojan-activity	127.0.0.2	53	Delivery	IPv4	Udp	None	Realtime

Figure 11

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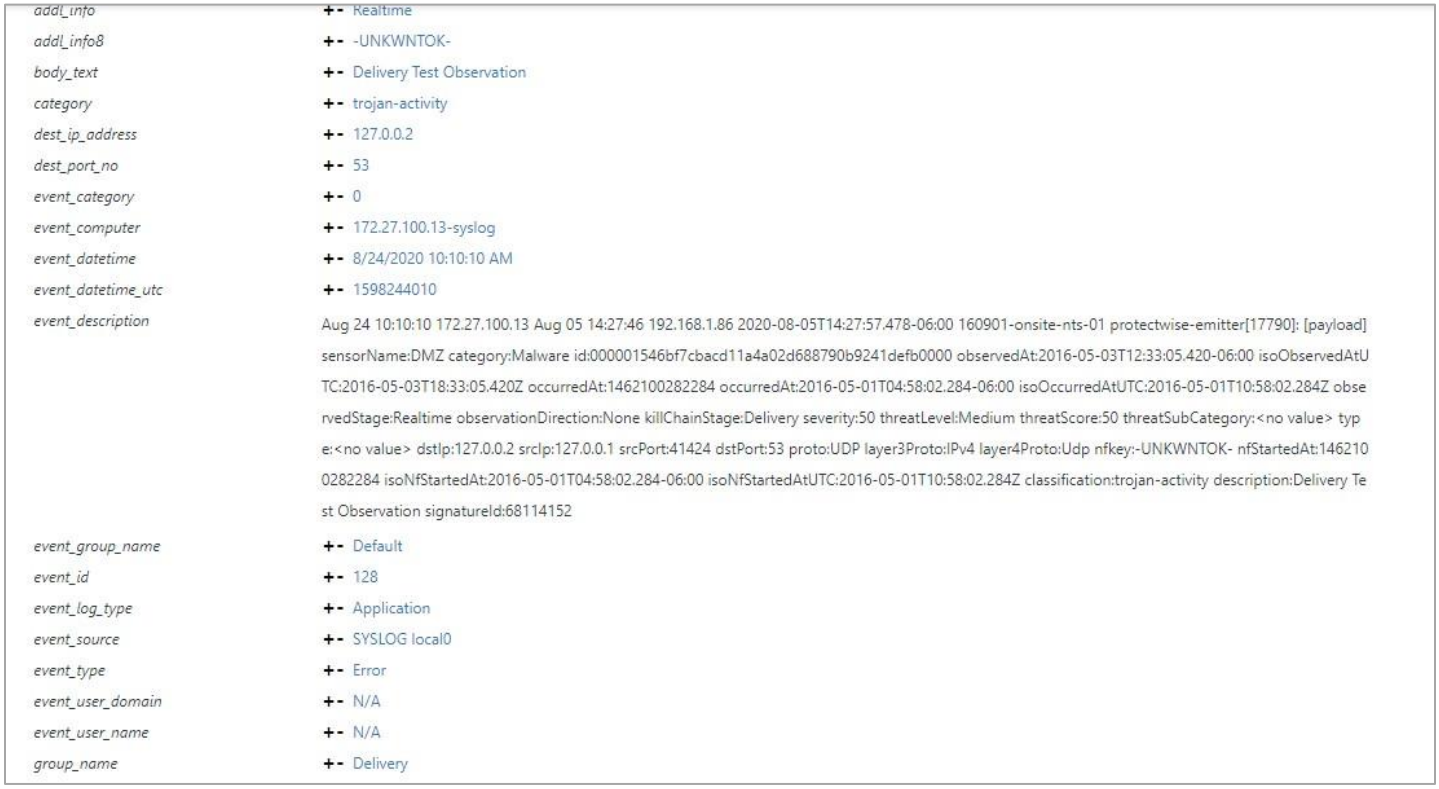
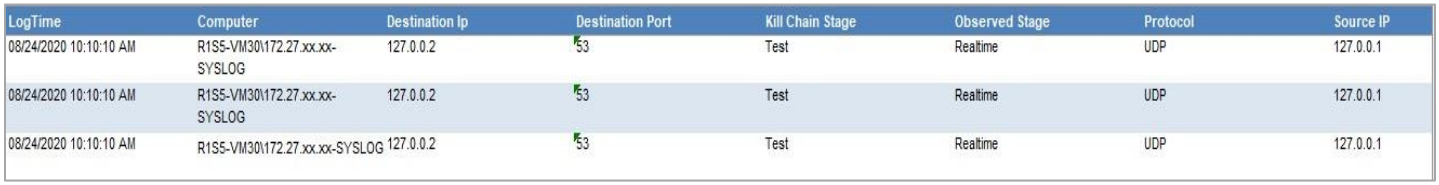
Logs Considered



addl_info	Realtime
addl_info8	-UNKWNTOK-
body_text	Delivery Test Observation
category	trojan-activity
dest_ip_address	127.0.0.2
dest_port_no	53
event_category	0
event_computer	172.27.100.13-syslog
event_datetime	8/24/2020 10:10:10 AM
event_datetime_utc	1598244010
event_description	Aug 24 10:10:10 172.27.100.13 Aug 05 14:27:46 192.168.1.86 2020-08-05T14:27:57.478-06:00 160901-onsite-nts-01 protectwise-emitter[17790]: [payload] sensorName:DMZ category:Malware id:000001546bf7cbacd11a4a02d688790b9241defb0000 observedAt:2016-05-03T12:33:05.420-06:00 isoObservedAtUTC:2016-05-03T18:33:05.420Z occurredAt:1462100282284 occurredAt:2016-05-01T04:58:02.284-06:00 isoOccurredAtUTC:2016-05-01T10:58:02.284Z observedStage:Realtime observationDirection:None killChainStage:Delivery severity:50 threatLevel:Medium threatScore:50 threatSubCategory:<no value> type:<no value> dstIp:127.0.0.2 srcIp:127.0.0.1 srcPort:41424 dstPort:53 proto:UDP layer3Proto:IPv4 layer4Proto:Udp nfkey:-UNKWNTOK- nfStartedAt:1462100282284 isoNfStartedAt:2016-05-01T04:58:02.284-06:00 isoNfStartedAtUTC:2016-05-01T10:58:02.284Z classification:trojan-activity description:Delivery Test Observation signatureId:68114152
event_group_name	Default
event_id	128
event_log_type	Application
event_source	SYSLOG local0
event_type	Error
event_user_domain	N/A
event_user_name	N/A
group_name	Delivery

Figure 12

- **ProtectWise: All Events Detected-** This report gives information about resources that describe a threat and contains a collection of observations. Report contains threat category, level, score, src and dst IP and other useful information for further analysis.



LogTime	Computer	Destination Ip	Destination Port	Kill Chain Stage	Observed Stage	Protocol	Source IP
08/24/2020 10:10:10 AM	R1S5-VM30\172.27.xx.xx-SYSLOG	127.0.0.2	53	Test	Realtime	UDP	127.0.0.1
08/24/2020 10:10:10 AM	R1S5-VM30\172.27.xx.xx-SYSLOG	127.0.0.2	53	Test	Realtime	UDP	127.0.0.1
08/24/2020 10:10:10 AM	R1S5-VM30\172.27.xx.xx-SYSLOG	127.0.0.2	53	Test	Realtime	UDP	127.0.0.1

Figure 13

Logs Considered

addl_info	+- Realtime
addl_info4	+- https://visualizer.protectwise.com/#killbox/events?id=00052a944d03db101a620b73a7ad0fe17bd2192ced7ff364cb489b84
dest_ip_address	+- 127.0.0.2
dest_port_no	+- 53
event_category	+- 0
event_computer	+- 172.27.100.13-syslog
event_datetime	+- 8/24/2020 10:10:10 AM
event_datetime_utc	+- 1598244010
event_description	Aug 24 10:10:10 172.27.100.13 Aug 05 14:27:46 192.168.1.86 2020-08-05T14:27:57.474-06:00 160901-onsite-nts-01 protectwise-emitter[17790]: [event] sensorName:-UNKWNTOK- message:Test Event threat_level:None start_time:2016-02-03T12:29:01.918-07:00 end_time:2016-02-03T12:29:01.918-07:00 srcIp:127.0.0.1 dstIp:127.0.0.2 srcPort:57369 dstPort:53 visualizerLink:https://visualizer.protectwise.com/#killbox/events?id=00052a944d03db101a620b73a7ad0fe17bd2192ced7ff364cb489b84 category:Test Category endedAt:1454527741918 isoEndedAt:2016-02-03T12:29:01.918-07:00 isoEndedAtUTC:2016-02-03T19:29:01.918Z message:Test Event id:00052a944d03db101a620b73a7ad0fe17bd2192ced7ff364cb489b84 observedStage:Realtime observedAt:1454527753860 isoObservedAt:2016-02-03T12:29:13.860-07:00 isoObservedAtUTC:2016-02-03T19:29:13.860Z killChainStage:Test KillChainStage startedAt:1454527741918 isoStartedAt:2016-02-03T12:29:01.918-07:00 isoStartedAtUTC:2016-02-03T19:29:01.918Z threatLevel:None threatScore:50 type:Test Type threatSubCategory:<no value> visualizerLink:https://visualizer.protectwise.com/#killbox/events?id=00052a944d03db101a620b73a7ad0fe17bd2192ced7ff364cb489b84 dstIp:127.0.0.2 srcIp:127.0.0.1 srcPort:57369 dstPort:53 proto:UDP layer3Proto:IPv4
event_group_name	+- Default
event_id	+- 128
event_log_type	+- Application
event_source	+- SYSLOG local0
event_type	+- Error
event_user_domain	+- N/A
event_user_name	+- N/A
group_name	+- Test KillChainStage
interface_in	+- -UNKWNTOK-

Figure 14

- **ProtectWise: Heuristics –** This report gives information about threat methods and tactics. Report contains threat category, score, src and dest IP, kill chain stage and other information for further analysis.

LogTime	Computer	Category	Id	Observed Stage	Observation Direction	Kill Chain Stage	Severity	Protocol	Source IP	Source Port	Threat Level	Threat Score
08/24/2020 10:10:10 AM	R1S5-VM30\172.27.xx.xx-SYSLOG	Suspicious	0000015e2e94f852cf8f14bb13edd636ffb8a7c0000b	Realtime	None	Cnc	75	TCP	17.207.21.1	57200	Medium	38
08/24/2020 10:10:10 AM	R1S5-VM30\172.27.xx.xx-SYSLOG	Suspicious	0000015e2e94f852cf8f14bb13edd636ffb8a7c0000b	Realtime	None	Cnc	75	TCP	17.207.21.1	57200	Medium	38
08/24/2020 10:10:10 AM	R1S5-VM30\172.27.xx.xx-SYSLOG	Suspicious	0000015e2e94f852cf8f14bb13edd636ffb8a7c0000b	Realtime	None	Cnc	75	TCP	17.207.21.1	57200	Medium	38

Figure 15

Logs Considered

addl_info	+- Realtime
addl_info8	+- -UNKWNTOK-
body_text	+- -UNKWNTOK-
category	+- -UNKWNTOK-
dest_ip_address	+- 192.168.3.21
dest_port_no	+- 666
event_category	+- 0
event_computer	+- 172.27.100.13-syslog
event_datetime	+- 8/24/2020 10:10:10 AM
event_datetime_utc	+- 1598244010
event_description	Aug 24 10:10:10 172.27.100.13 Aug 05 14:27:46 192.168.1.86 2020-08-05T14:27:57.483-06:00 160901-onsite-nts-01 protectwise-emitter[17790]: [heuristics] sensorName:DMZ category:Suspicious id:0000015e2e94f852cf8f14bb13edd636ffb8a7c0000b observedAt:2017-08-29T09:22:12.160-06:00 isoObservedAtUTC:2017-08-29T15:22:12.160Z occurredAt:1504020068434 occurredAt:2017-08-29T09:21:08.434-06:00 isoOccurredAtUTC:2017-08-29T15:21:08.434Z observedStage:Realtime observationDirection:None killChainStage:Cnc severity:75 threatLevel:Medium threatScore:38 threatSubCategory:<no value> type:<no value> dstIp:192.168.3.21 srcIp:17.207.21.1 srcPort:57200 dstPort:666 proto:TCP layer3Proto:IPv4 layer4Proto:Tcp nfkey:-UNKWNTOK- nfStartedAt:1504020068434 isoNfStartedAt:2017-08-29T09:21:08.434-06:00 isoNfStartedAtUTC:2017-08-29T15:21:08.434Z classification:-UNKWNTOK- description:-UNKWNTOK- signatureId:-UNKWNTOK-
event_group_name	+- Default
event_id	+- 128
event_log_type	+- Application
event_source	+- SYSLOG local0
event_type	+- Error

Figure 16

4.4 Dashboards

ProtectWise: Threat Detected by Threat Level

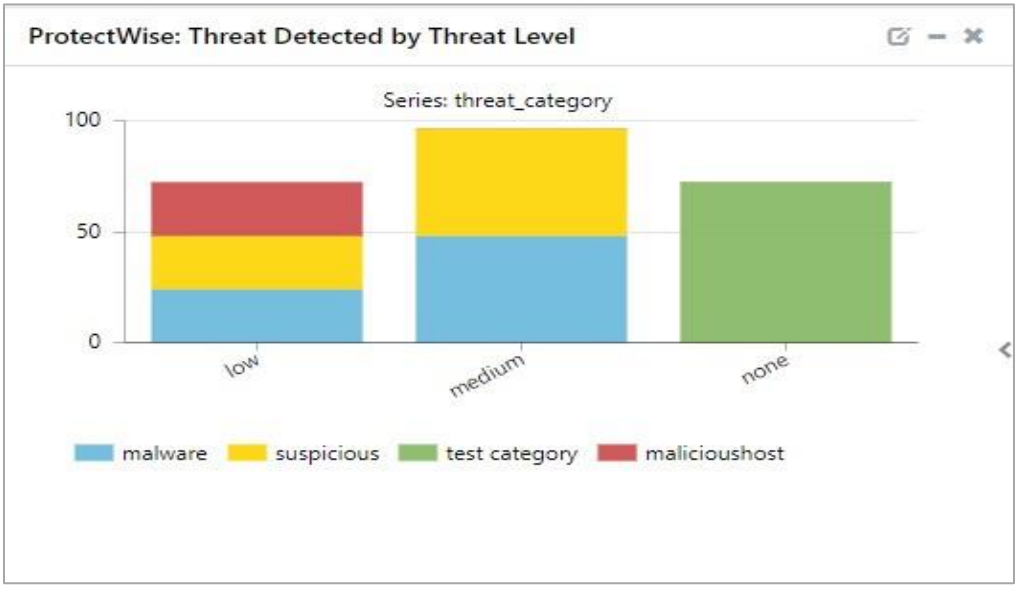


Figure 17

ProtectWise: Threat Score

Figure 18

ProtectWise: Severity Score

Figure 19

Netsurion. | EventTracker®

ProtectWise: Web Traffic by Protocol

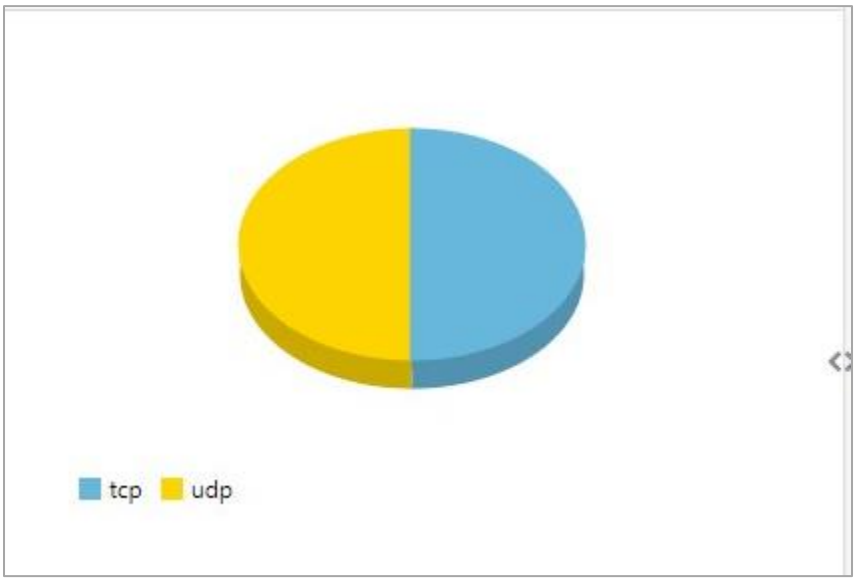


Figure 20

ProtectWise: Top Destination IP

Figure 21

ProtectWise: Threat Detected by Source IP

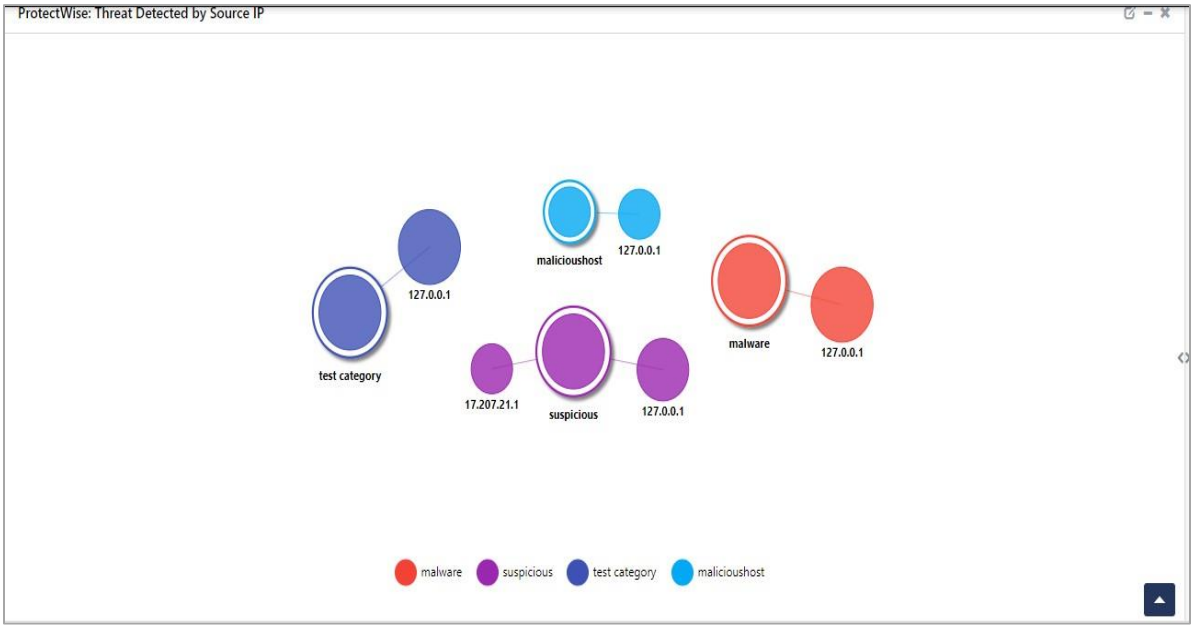


Figure 22

ProtectWise: Top File Type Detected by Source IP

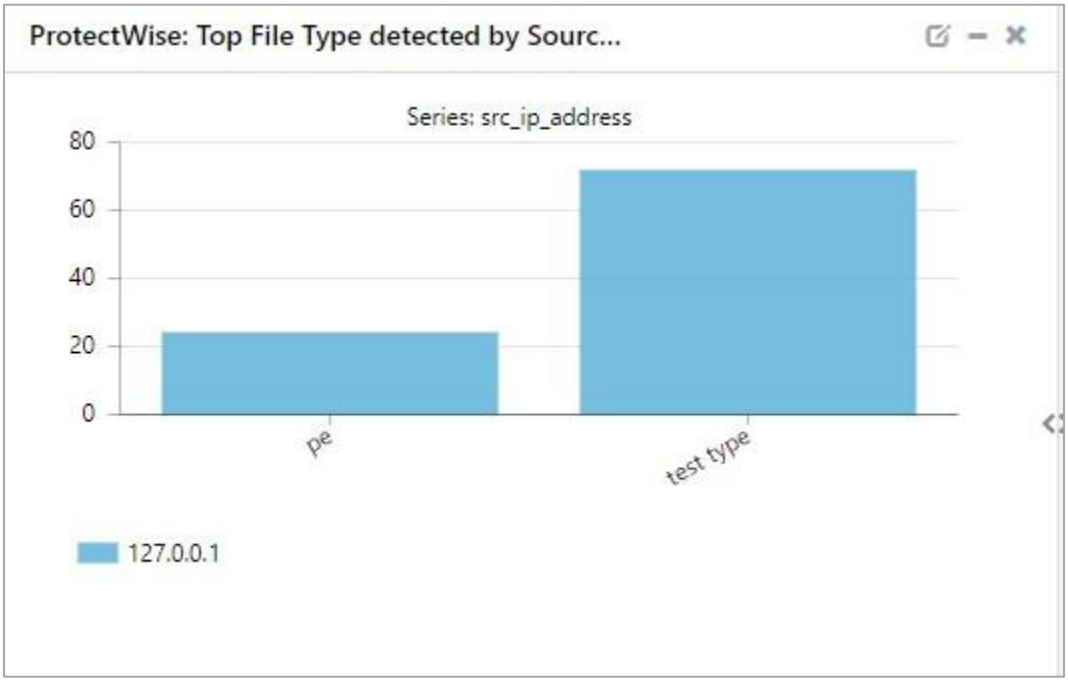


Figure 23

ProtectWise: Killchain Stage Detected

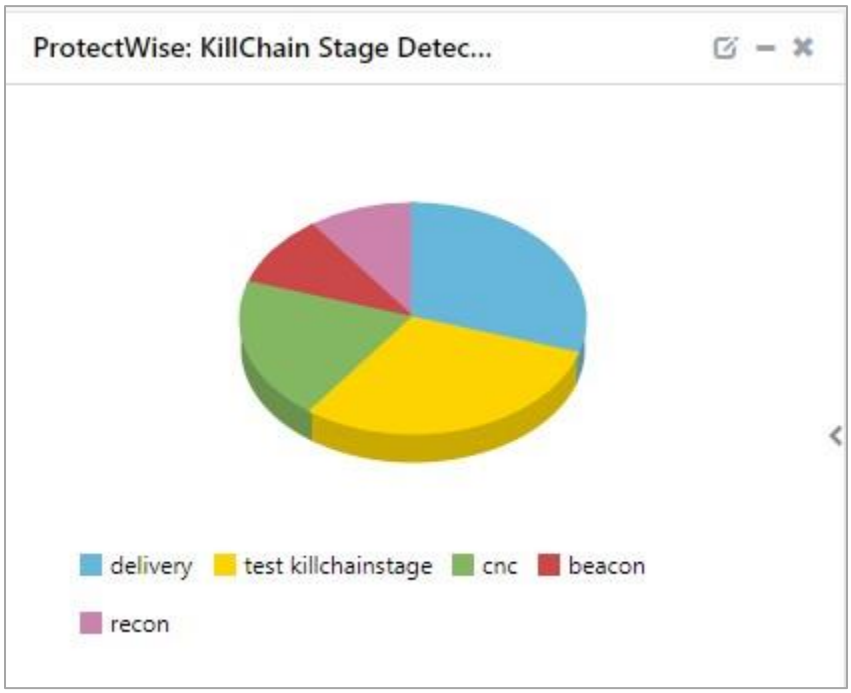


Figure 24

5. Importing ProtectWise knowledge pack into EventTracker

NOTE: Import knowledge pack items in the following sequence:

- Category
- Alert
- Knowledge Object
- Report
- Dashboard

1. Launch **EventTracker Control Panel**.
2. Double click **Export Import Utility**.

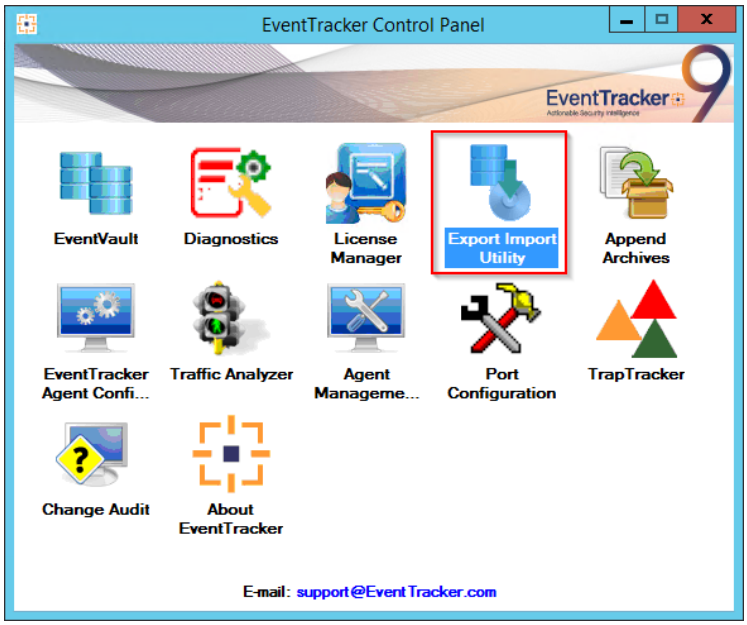


Figure 25

3. Click the **Import** tab.

5.1 Category

1. Click **Category** option, and then click the browse ... button.

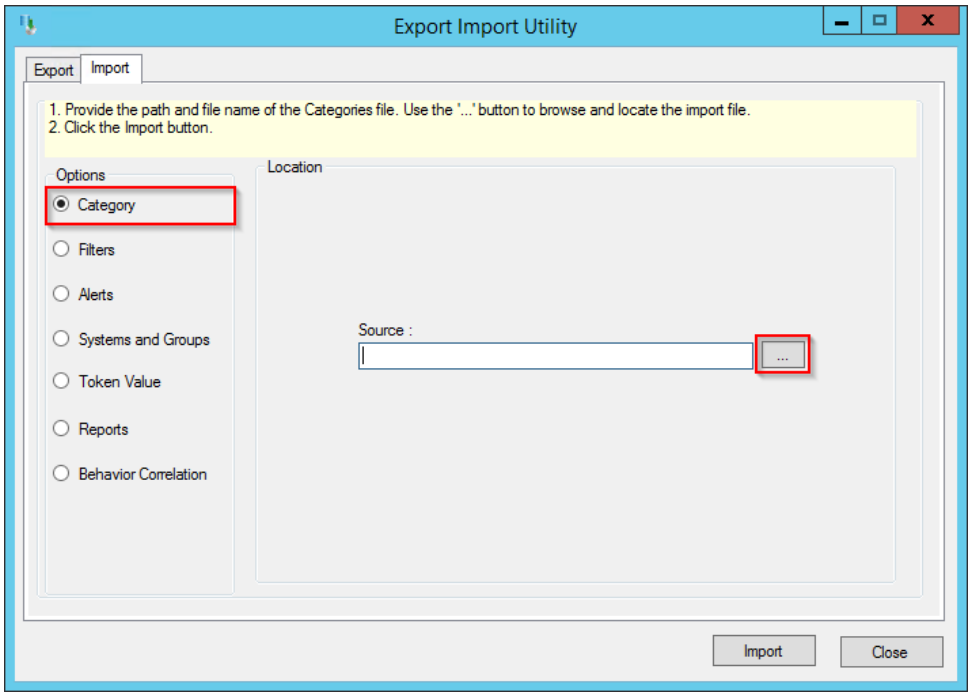


Figure 26

2. Locate **Category_ProtectWise.iscat** file, and then click the **Open** button.
3. To import categories, click the **Import** button.

EventTracker displays success message.

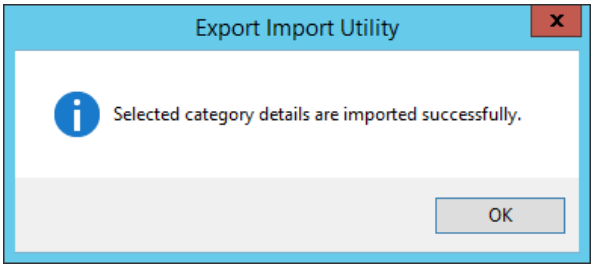


Figure 27

4. Click **OK,** and then click the **Close** button.

5.2 Alert

1. Click **Alert** option, and then click the **browse** ... button.

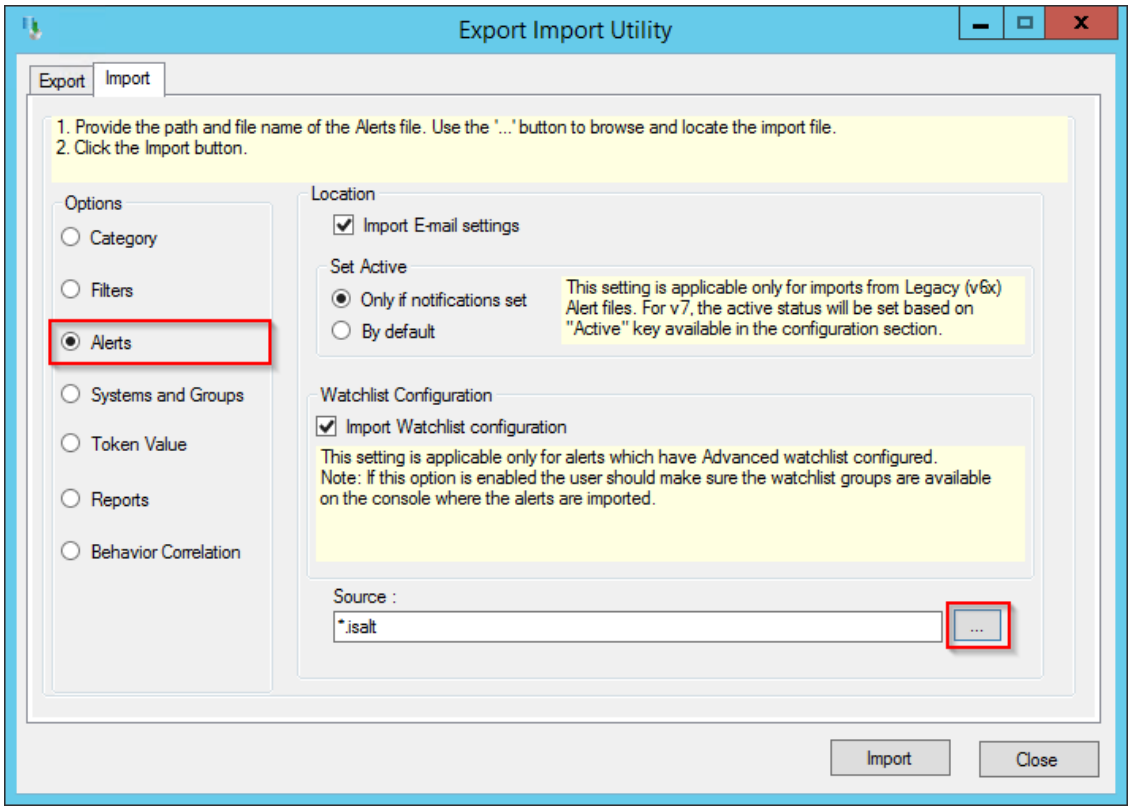


Figure 28

2. Locate **Alert_ProtectWise.isalt** file, and then click the **Open** button.
3. To import alerts, click the **Import** button.
   EventTracker displays success message.

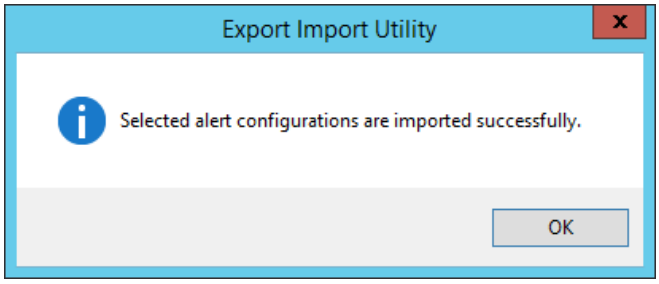


Figure 29

4. Click the **OK** button, and then click the **Close** button.

5.3 Knowledge Object

1. Click **Knowledge objects** under Admin option in the EventTracker manager page.

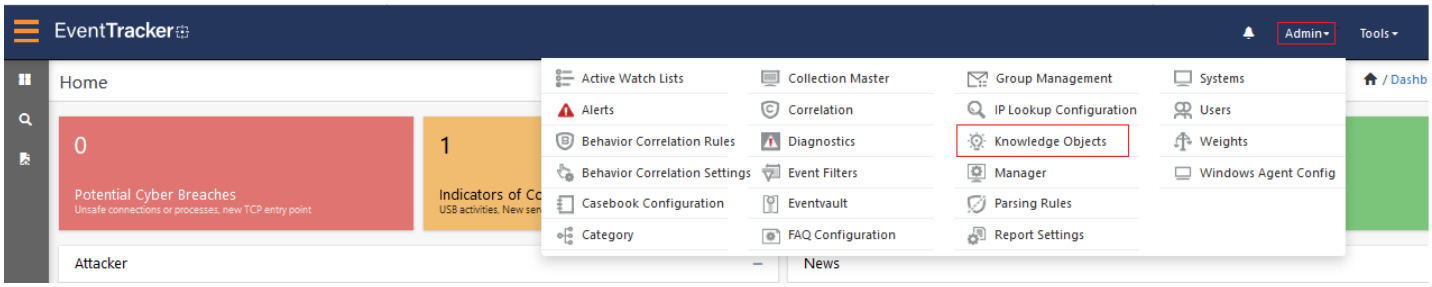


Figure 30

2. Click on **Import** button as highlighted in the below image:

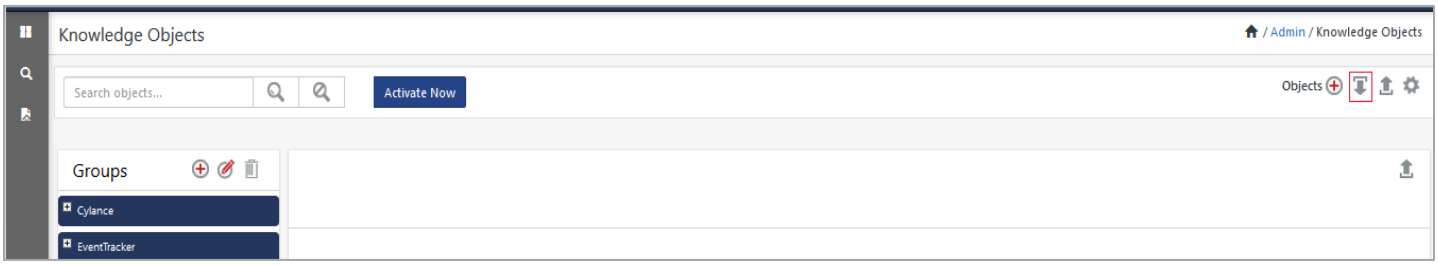


Figure 31

3. Click on **Browse**.

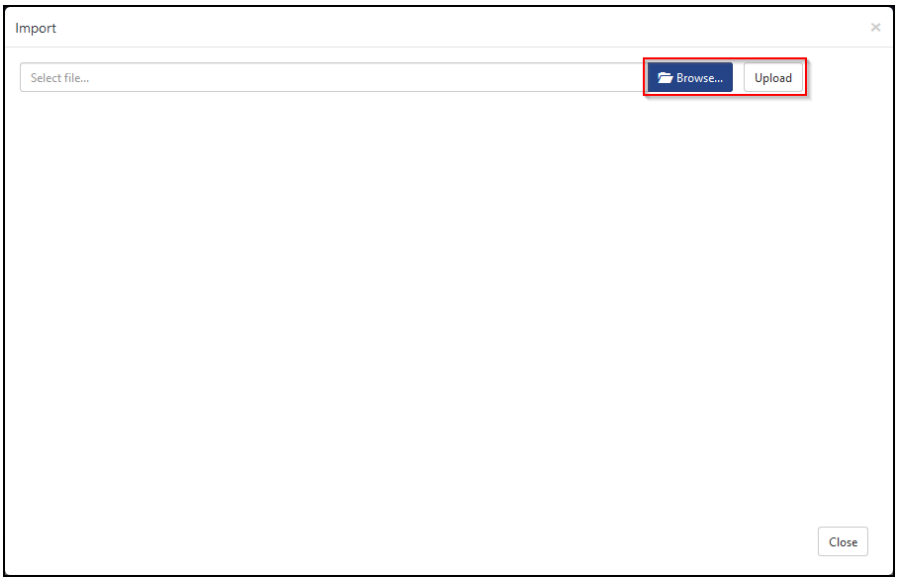


Figure 32

4. Locate the file named **KO_ProtectWise.etko**.
5. Now select the check box and then click on **Import** option.

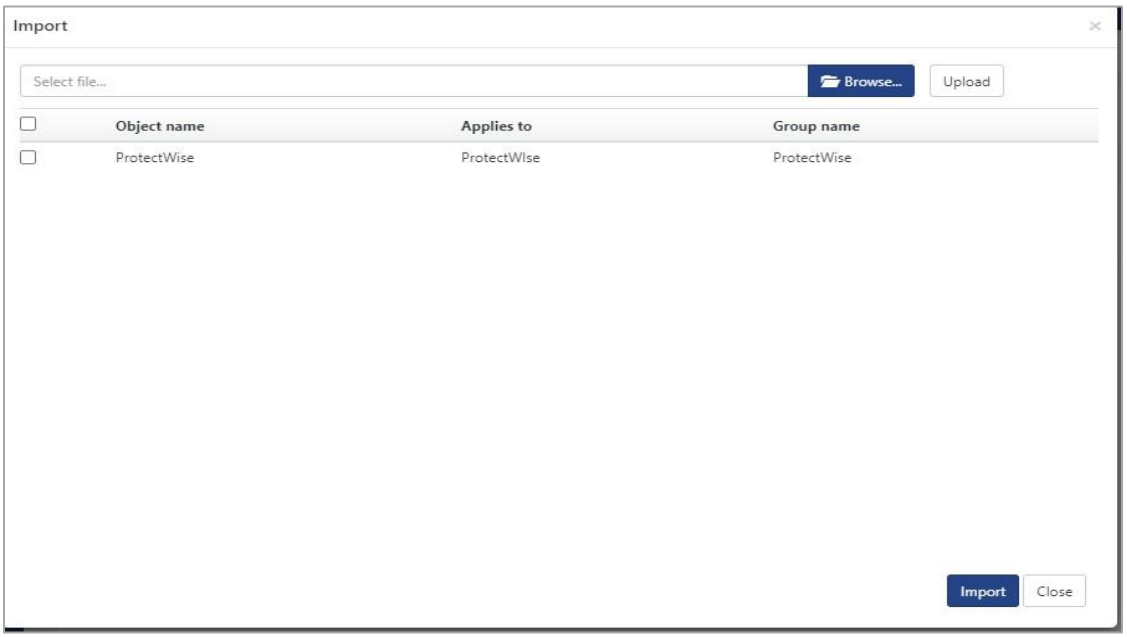


Figure 33

6. Knowledge objects are now imported successfully.

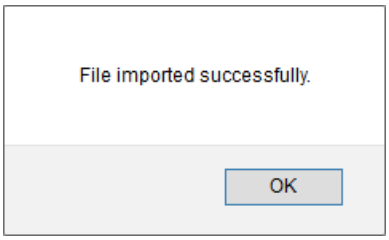


Figure 34

5.4 Report

1. Click **Reports** option, and select **New (*.etcrx)** option.

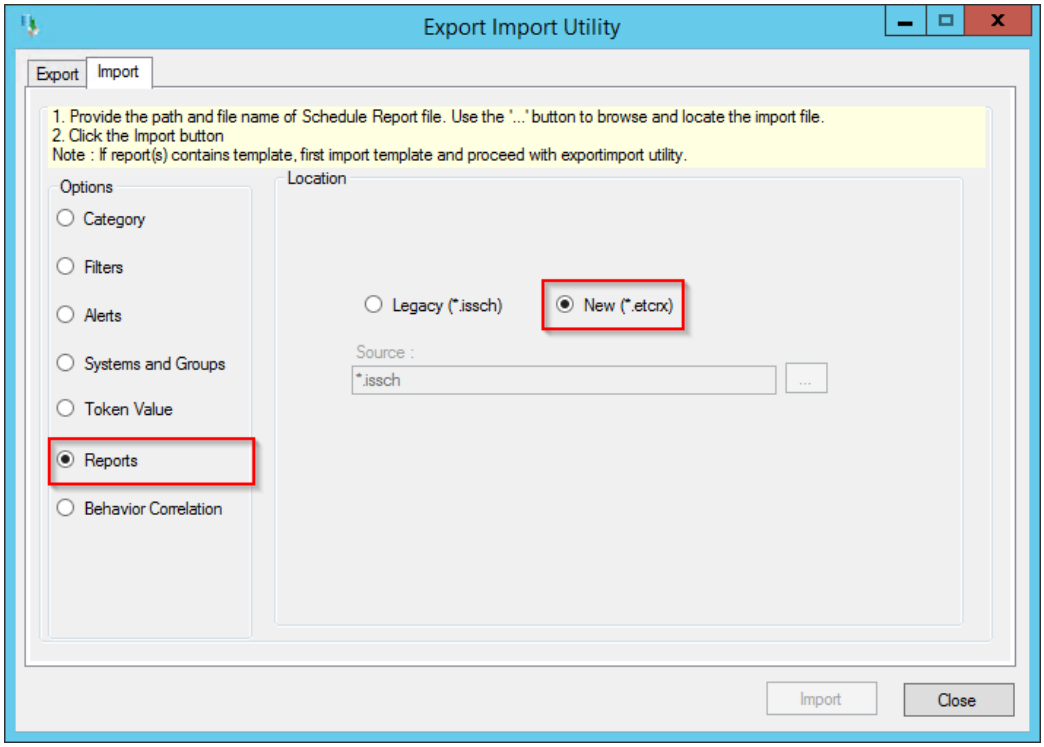


Figure 35

2. Locate the file named **Reports_ ProtectWise.etcrx** and select the check box.

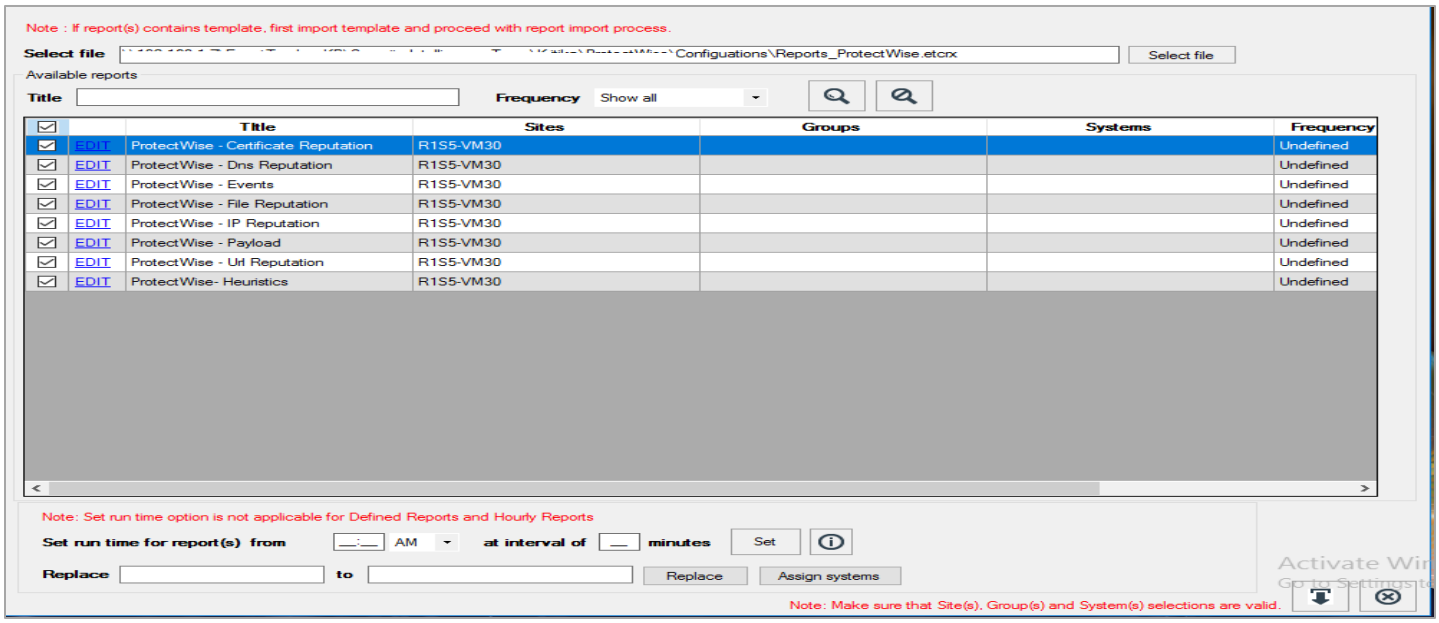


Figure 36

3. Click the **Import** button to import the report. EventTracker displays success message.

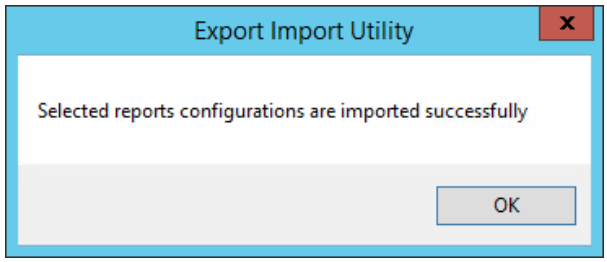


Figure 37

5.5 Dashboards

NOTE- Below steps given are specific to EventTracker 9 and later.

1. Open **EventTracker** in browser and logon.

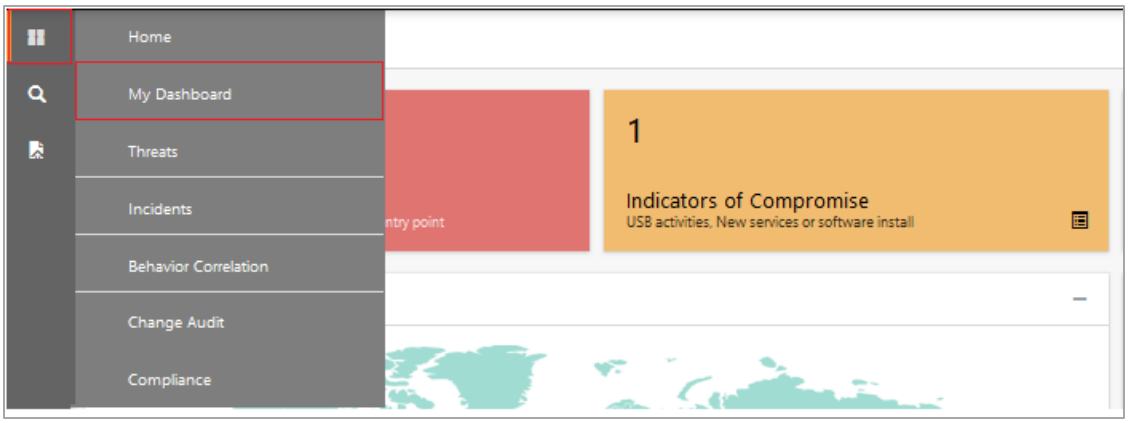


Figure 38

2. Navigate to **My Dashboard** option as shown above.
3. Click on the **Import** button as show below.

Figure 39

4. Import dashboard file **Dashboard_ProtectWise.etwd** and select **Select All** checkbox**.**
5. Click on **Import** as shown below.

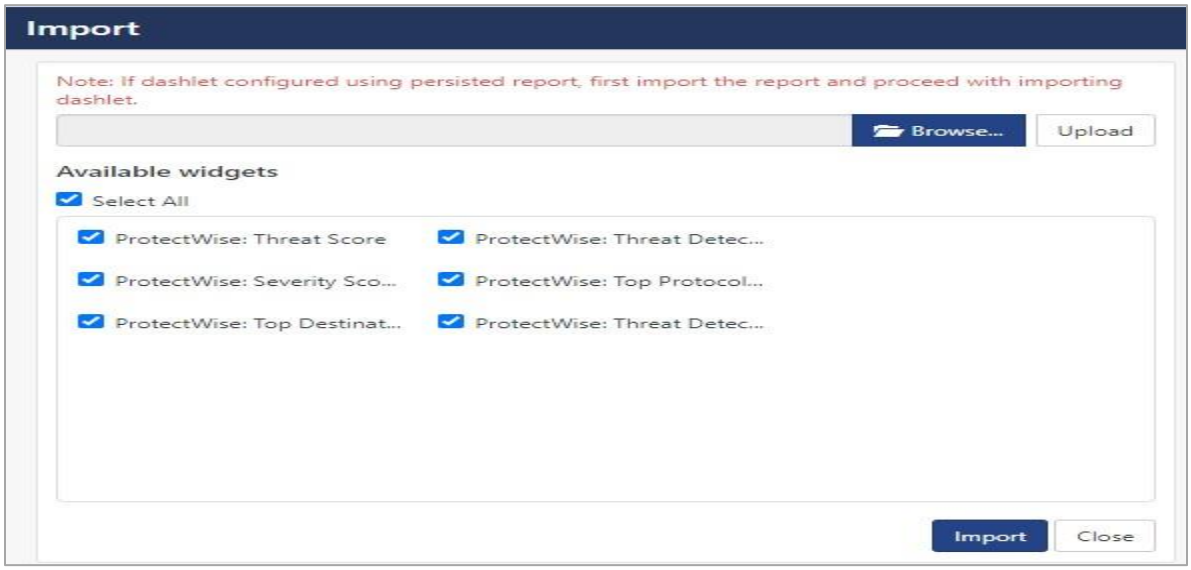


Figure 40

6. Import is now completed successfully.

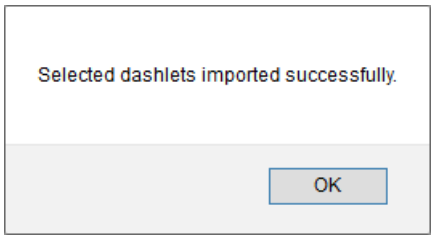


Figure 41

7. In **My Dashboard** page select ⊕ to add dashboard.

Figure 42

8. Choose appropriate name for **Title** and **Description**. Click **Save**.

Figure 43

9. In **My Dashboard** page select ⊙ to add dashlets.

Figure 44

10. Select imported dashlets and click **Add**.

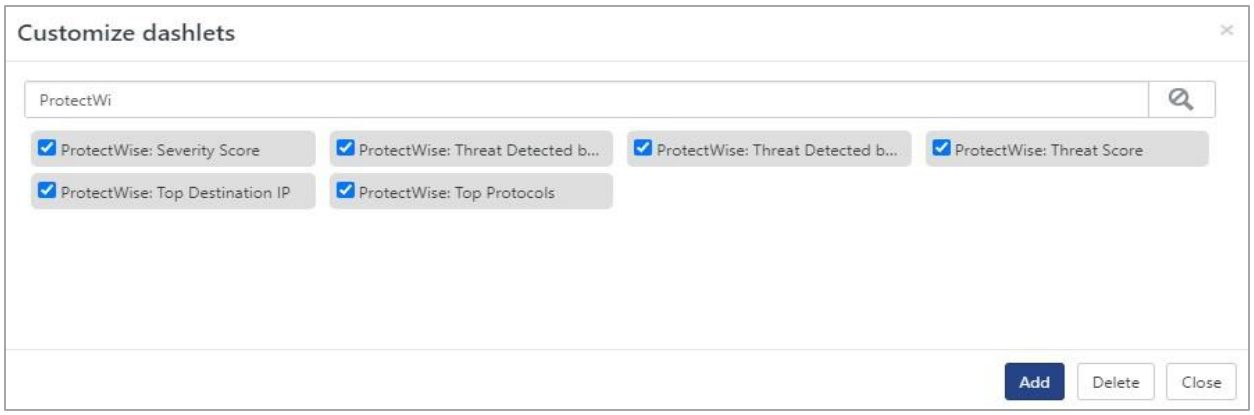


Figure 45

6. Verifying ProtectWise knowledge pack in EventTracker

6.1 Category

1. Logon to **EventTracker**.
2. Click **Admin** dropdown, and then click **Category**.

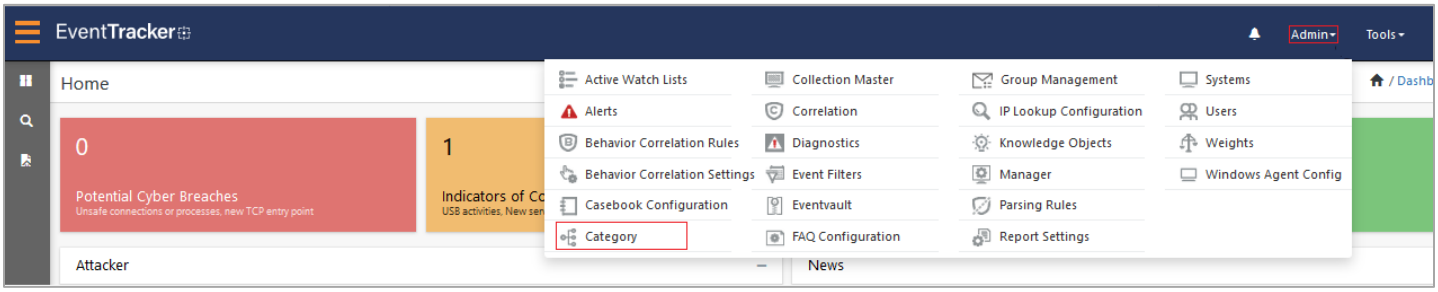


Figure 46

3. In **Category Tree** to view imported category, scroll down and expand **ProtectWise** group folder to view the imported category.

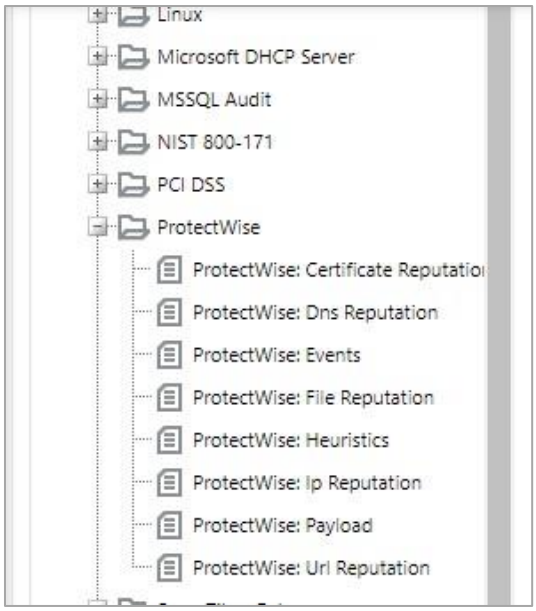


Figure 47

6.2 Alert

1. Logon to **EventTracker**.
2. Click the **Admin** menu, and then click **Alerts**.

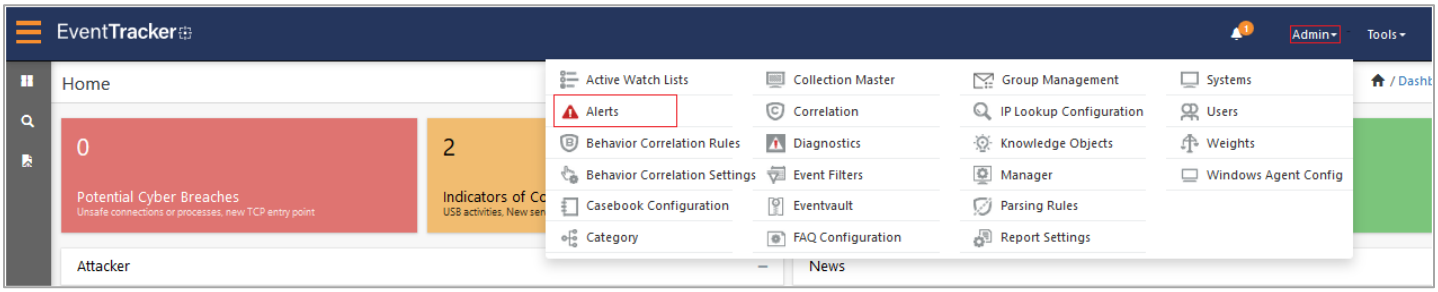


Figure 48

3. In the **Search** box, type '**ProtectWise**, and then click the **Go** button.
   Alert Management page will display the imported alert.

Figure 49

4. To activate the imported alert, toggle the **Active** switch.

   EventTracker displays message box.

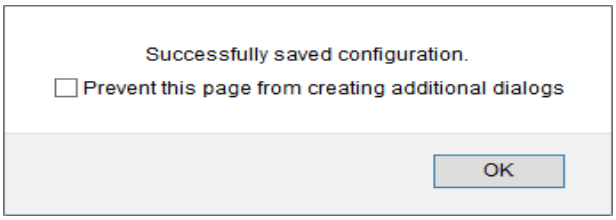


Figure 50

5. Click **OK**, and then click the **Activate Now** button.

NOTE: Please specify appropriate **system** in **alert configuration** for better performance.

6.3 Knowledge Object

1. In the **EventTracker** web interface, click the **Admin** dropdown, and then select **Knowledge Objects.**

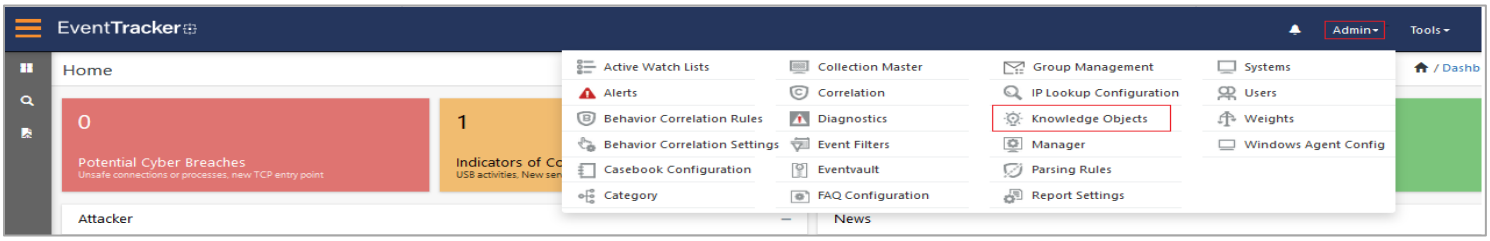


Figure 51

2. In the Knowledge Object tree, expand **ProtectWise** group folder to view the imported knowledge object.

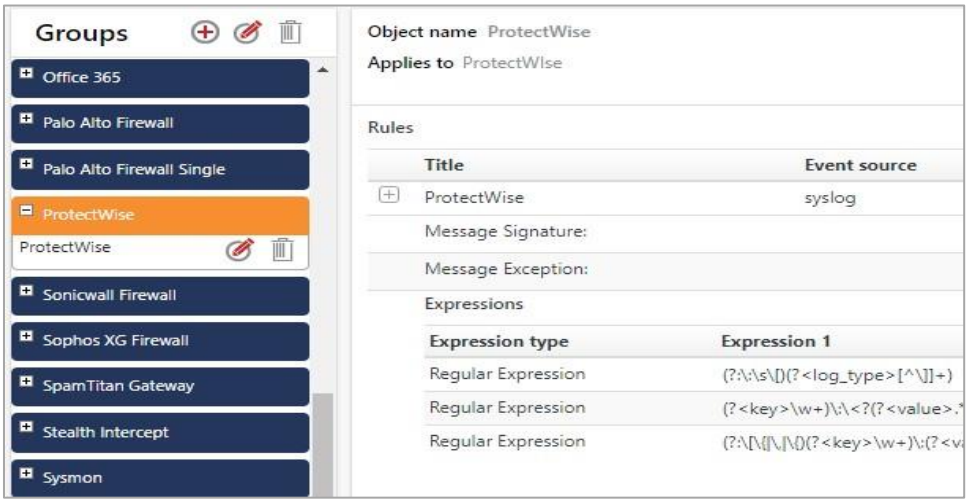


Figure 52

3. Click **Activate Now** to apply imported knowledge objects.

6.4 Report

1. In the **EventTracker** web interface, click the **Reports** menu, and then select **Report Configuration**.

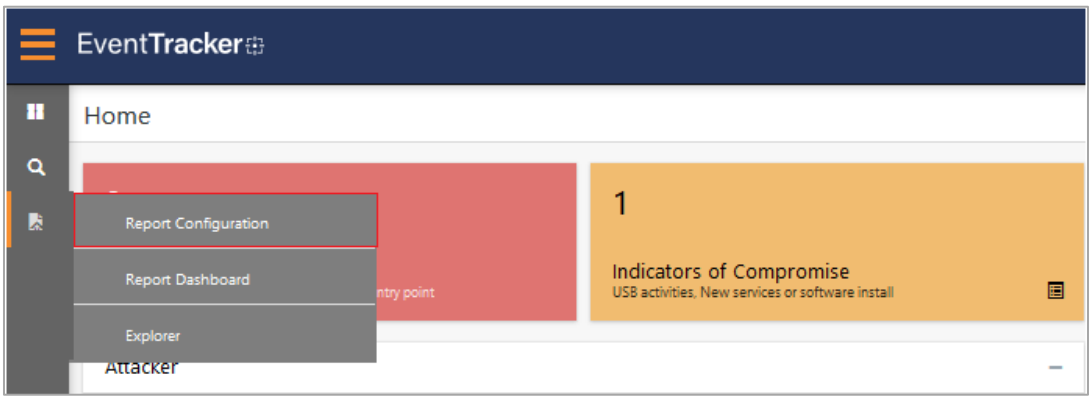


Figure 53

2. In **Reports Configuration** pane, select **Defined** option.
3. Click on the **ProtectWise** group folder to view the imported reports.

Figure 54

6.5 Dashboards

1. In the EventTracker web interface, Click on Home Button and select "**My Dashboard**".

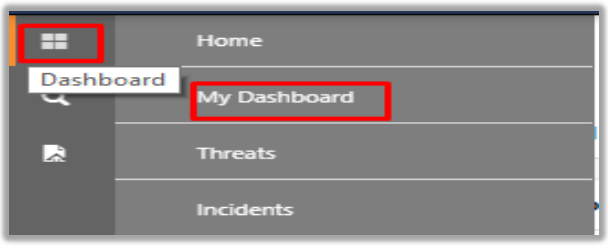


Figure 55

2. In the "**ProtectWise**" dashboard you should be now able to see something like this.

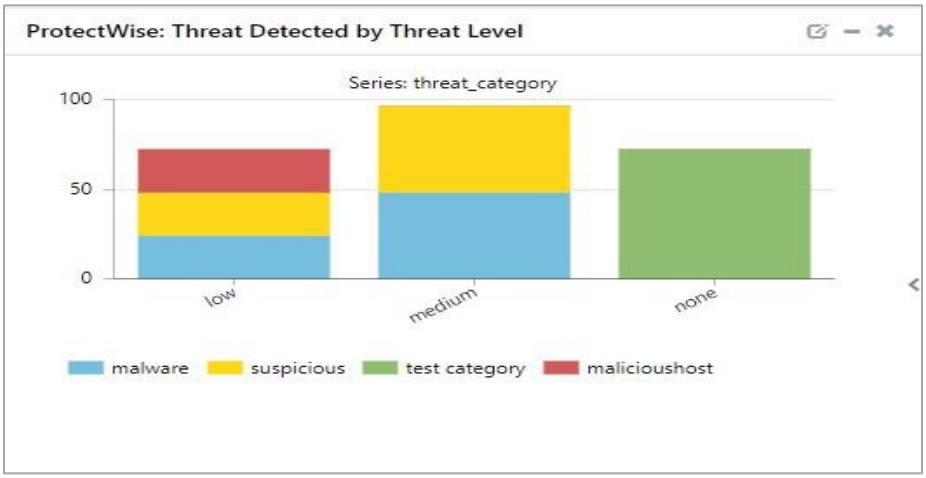


Figure 56