# Let's go cisco live!

# The Security is Coming from Inside the Application!

Cisco AppDynamics Teams Up with Cisco XDR for App-Triggered Protection

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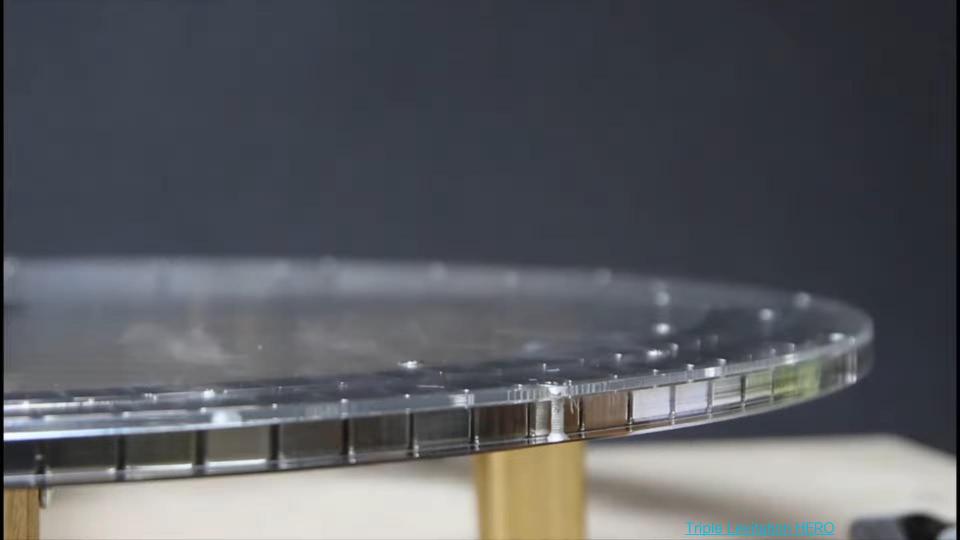
- xOps Unite and Conquer
- Name a More Iconic Pair
- DevOps+SecOps+Netops = 4Ever
- What / Where / When / How
- Demo Tour
- Conclusion / Q&A





# xOps – Unite and Conquer







### Full stack observability – Full stack synergy Security / Infrastructure / Network / Application Co-operation



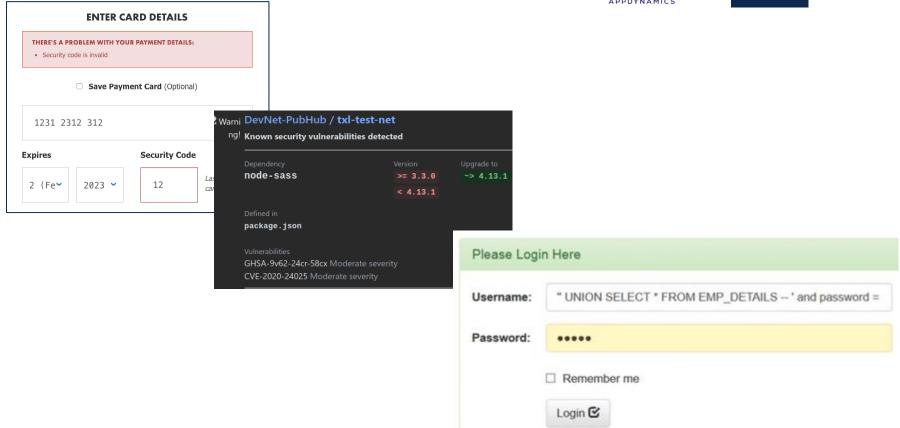
DevOps+NetOps+SecOps = 4Ever



### Use-Cases / Scenarios

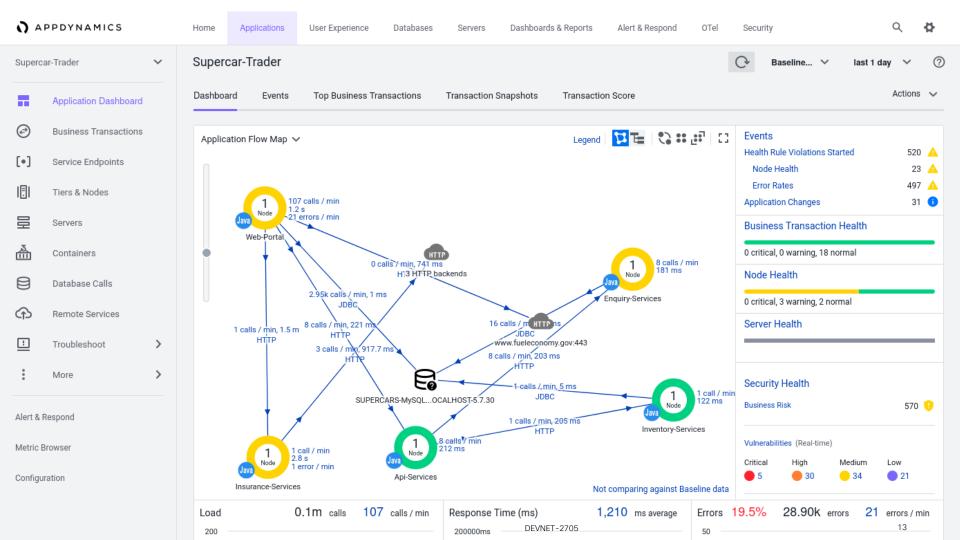






# Cisco AppDynamics





```
#
# UMASK (Optional) Override Tomcat's default UMASK of 0027
#
# USE_NOHUP (Optional) If set to the string true the start command will
# use nohup so that the Tomcat process will ignore any hangup
# signals. Default is "false" unless running on HP-UX in which
# case the default is "true"
```

### export CATALINA\_OPTS="\$CATALINA\_OPTS -javaagent:/opt/appdynamics/javaagent/javaagent.jar"

```
# OS specific support. $var _must_ be set to either true or false.
```

cygwin=false darwin=false

EVNET-2705 14

### Web-Portal App Server Restart Application Server JVM was ... 02/08/24 1:21:35 AM Application Configuration Change Application Server environm... 02/08/24 1:21:28 AM Web-Portal Health Rule Violation Started - Warning Health Rule Security excepti... 02/08/24 1:18:55 AM Web-Portal Health Rule Violation Started - Warning Health Rule Security excepti... 02/08/24 1:16:55 AM Web-Portal Health Rule Violation Started - Warning Health Rule Security excepti... 02/08/24 1:13:55 AM Web-Portal Health Rule Violation Started - Warning Health Rule Security excepti... 02/08/24 12:56:55 AM Web-Portal Health Rule Violation Started - Warning Health Rule Security excepti... 02/08/24 12:54:55 AM Web-Portal Health Rule Violation Started - Warning Health Rule Security excepti... 02/08/24 12:51:55 AM Web-Portal

Hoolth Bulo Cocurity excepti

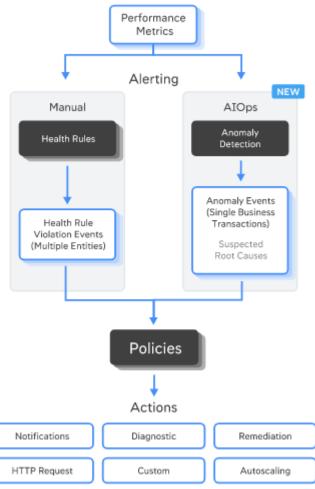
ive!

Hoolth Dula Violation Started - Warning

02/00/24 12:47:55 AM

Enquiry Convi

### Alert and Respond Overview

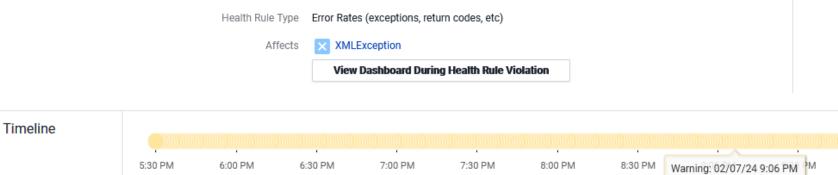




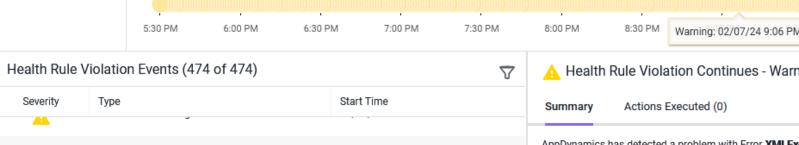
16

## Health Rule Violation - Security exception (Supercar Trader) - 02/08/24 1:19:55 AM

Health Rule



Security exception (Supercar Trader)



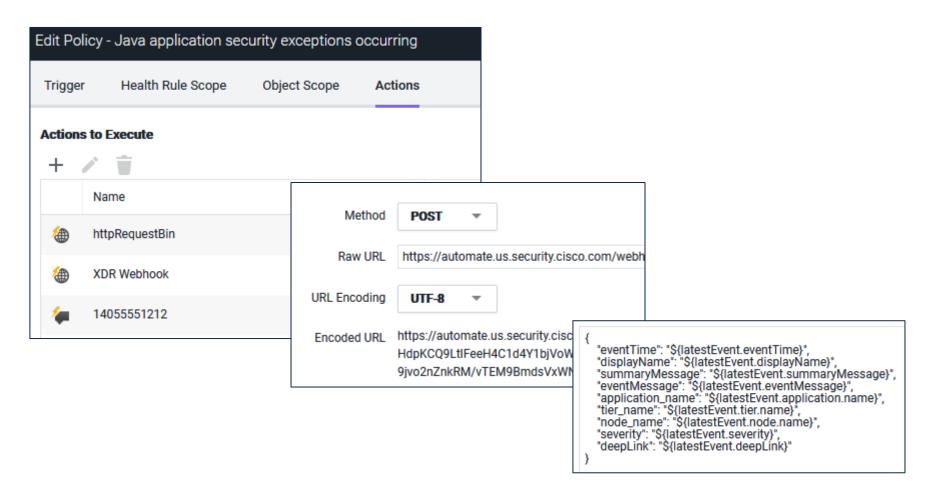
Health Rule Violation Continues - Warning Continues - Warning 02/08/24 1:09:55 AM

AppDynamics has detected a problem with Error XMLException. Security exception (Supercar Trader) continues to violate with warning. All of the following conditions were found to be violating Continues - Warning 02/08/24 1:10:55 AM For Node Web-Portal\_Node-01:

1) Condition 1 Continues - Warning 02/08/24 1:11:55 AM Errors per Minute's value 17.00 was greater than the threshold 1.00 for the last 1 minutes. Continues - Warning 02/08/24 1:12:55 AM

02/08/24 1:13:55 AM CISCO DEVNET-2705 © 2024 Cisco and/or its affiliates. All rights reserved. Cisco Public

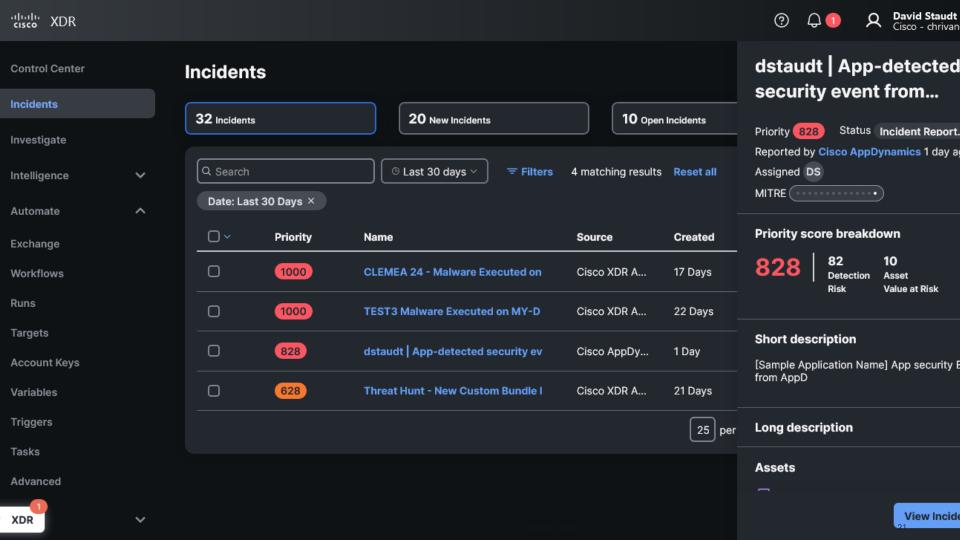
10:00 PM

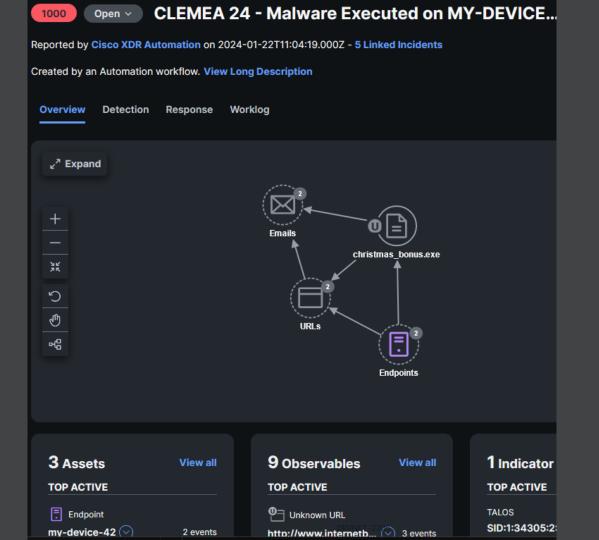


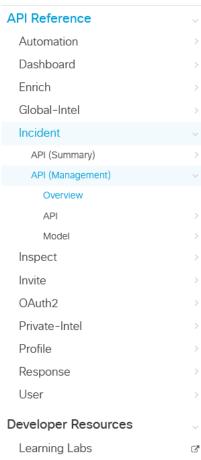
|   | Name  | Tier               |
|---|---|--------------------|
| × | CommunicationsException : EOFException      | Web-Portal         |
| × | CommunicationsException : SocketException   | Web-Portal         |
| × | HttpHostConnectException : ConnectException | Web-Portal         |
| × | Internal Server Error : 500                 | Web-Portal         |
| × | MySQLIntegrityConstraintViolationException  | Enquiry-Services   |
| × | OutOfMemoryError                            | Insurance-Services |
| × | Page Not Found : 404                        | Web-Portal         |
| _ | ProceedingEvention - SecketTimeoutEvention  | Wah Portal         |

# Cisco XDR









### Incident Management API Docs

This new Incident Management API allows developers manage their prioritized Incidents, and the Notes. You can create a custom Incident, query existing incidents based on MITRE metadata an also able to retrieve Worklog details for a specific incident and even create a custom Worklog N

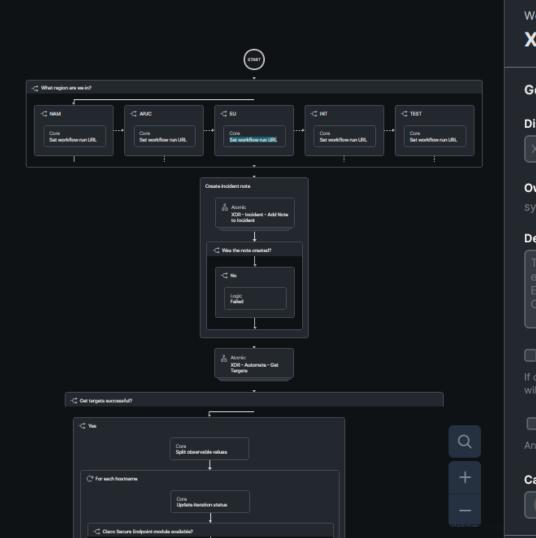
**Note:** In Cisco XDR, some Private Intel functions (e.g. managing and querying of private threat intelligence and Indicators) are controlled by the legacy Private-Intel API.

### Use Cases

- · Creating custom Incidents
- Querying Incidents based on MITRE metadata
- Retrieve all notable events for a specific Incident
- Retrieve an Incident summary, containing all related threat context
- · Exporting the Worklog of an Incident
- · Creating a custom Worklog note for an Incident

### How to use the API Docs





Workflow Properties

### **XDR - Contain Incident: Assets**

### General

### **Display Name\***

KDR - Contain Incident: Assets

### Owner

system

### Description

This workflow consumes one or more hostnames and endpoints in all supported products. Currently supported products. Currently supported products. Creently supported products. Currently supported products. Currently supported products in all supported products and parktrace DETECT products.

Clean up after successful execution

If checked, the workflow run and any underlying task(s) will be will not be deleted.

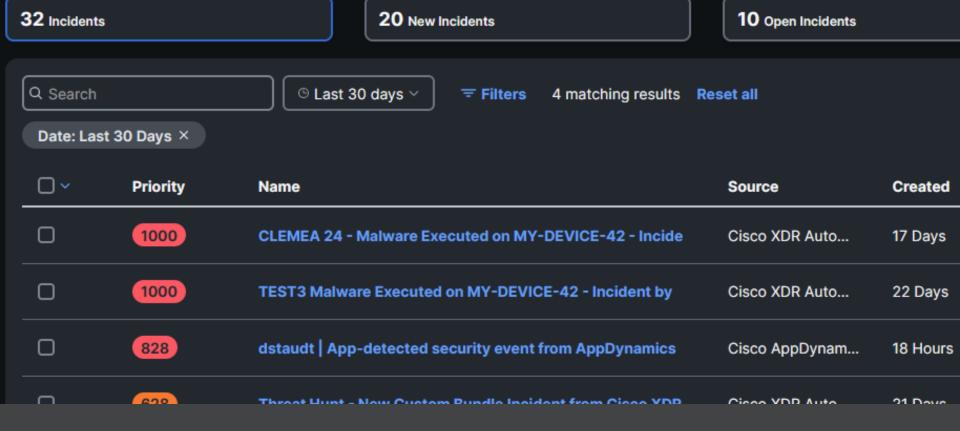
Is atomic workflow

An atomic workflow will be listed under the Activity Group head

### Category

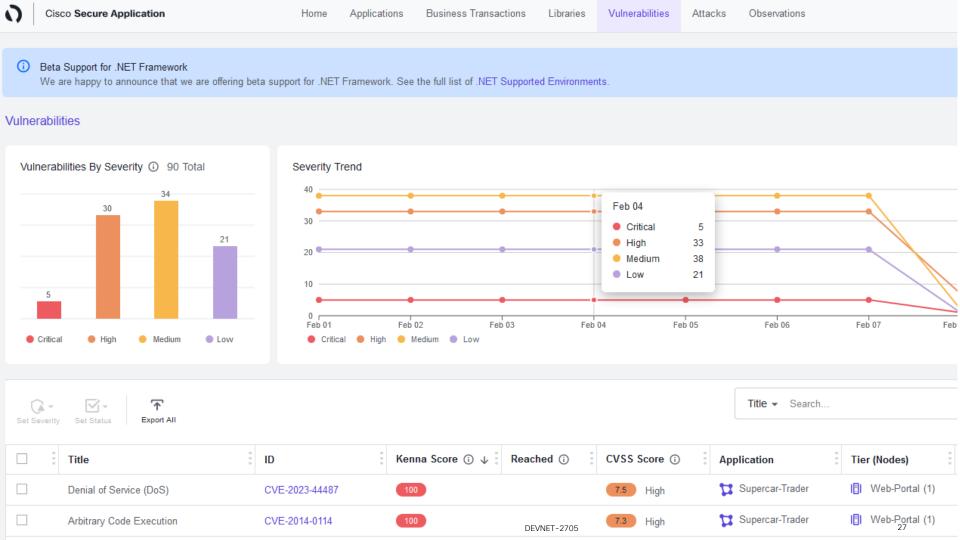
Incident Response X

### **Incidents**



Cisco Appdynamics + Cisco Secure Application

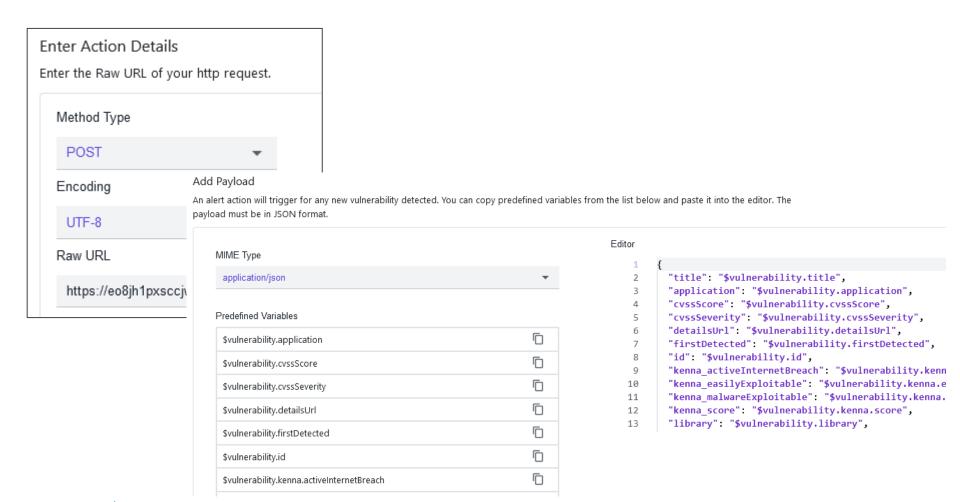




### Kenna Score (i) ↓ Reached (i) CVSS Score (i) Title ID Application Supercar-Trader CVE-2023-44487 Denial of Service (DoS) High Supercar-Trader Arbitrary Code Execution CVE-2014-0114 7.3 High Supercar-Trader Arbitrary Code Execution CVE-2014-0114 High Supercar-Trader Arbitrary Code Execution CVE-2014-0114 7.3 High Supercar-Trader Arbitrary Code Injection CVE-2013-1965 8.8 High Supercar-Trader Arbitrary Code Injection CVE-2013-1965 8.8 High Supercar-Trader CVF-2019-17571 Deservation of Untrusted Data Critical Supercar-Trader Deserialization of Untrusted Data CVE-2019-17571 Critical 📆 Supercar-Trader Deserialization of Untrusted Data CVE-2019-17571 Critical Supercar-Trader Deserialization of Untrusted Data CVE-2019-17571 Critical

DEVNET-2705

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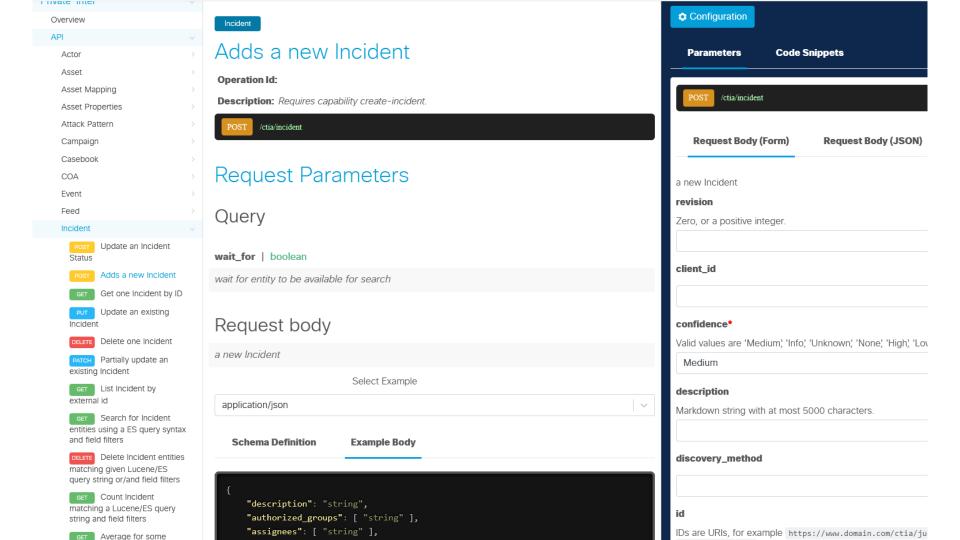


# Cisco XDR

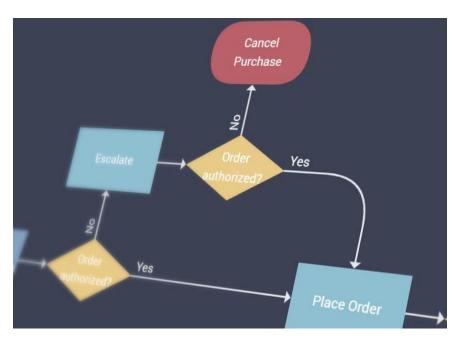




|         | Known | Unknown |
|---------|-------|---------|
| Known   | KK    | KU      |
| Unknown | UK    | UU      |



```
import_privateintel_bundle.py > ...
      from datetime import datetime
      import requests
      from requests.auth import HTTPBasicAuth
      import os
      import json
      import xdr authentication
      with open("bundle.json", "r") as file:
          bundle json = json.load(file)
11
12
      try:
13
          response = requests.post(
14
              url="https://private.intel.amp.cisco.com/ctia/bundle/import",
              headers={
15
                  "Content-Type": "application/json",
                  "Accept": "application/json",
17
                  "Authorization": f"Bearer {xdr authentication.xdr access token(os.getenv('XI
              json=bundle json
21
          response.raise for status()
22
      except Exception as e:
23
          print(f"Error: {e}")
24
```

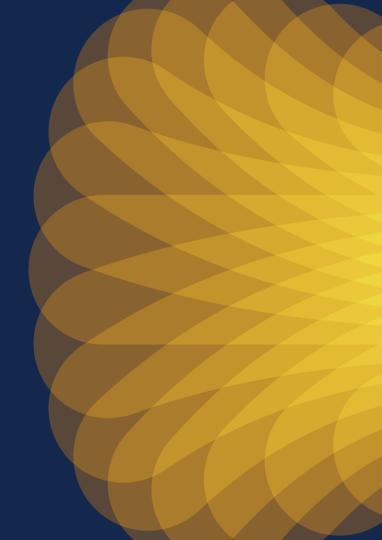








# Better Together

















# Thank you



