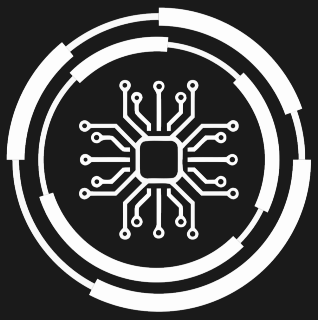
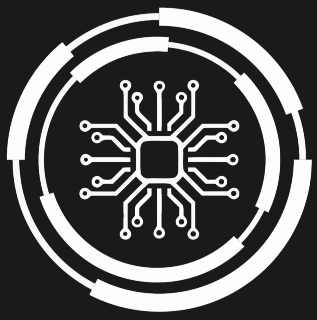


Manual & Security Audit for Train

DependencyScanning

Sascha Martin Welten



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Contents

1 Train Summary 5
1.1 Overview 5
1.2 Image Building File 5
1.3 Requirements & Dependencies 6
1.4 Code Base 6
1.5 Connection Parameters 6

2 Static Train Analysis 7
2.1 SAST 7
2.2 Secret Detection 7
2.3 Dependency Analysis 7
2.4 Blacklist Detection 9

3 Train Image Analysis 11
3.1 Vulnerabilities 11

4 Dynamic Train Analysis 39

5 Conclusion 41

1. Train Summary

1.1 Overview

- **Train name:** DependencyScanning
- **Creator of the train:** Sascha Martin Welten
- **Location:** `https://git.rwth-aachen.de/padme-development/padme-train-depot/-/archive/main/padme-train-depot-main.zip?path=DependencyScanning`

1.2 Image Building File

Listing 1.1: Image building file

```
FROM python:3.9


WORKDIR /usr/src/app

# LABEL
LABEL "envs"="[{\"name\": \"DB_NAME\",\"type\": \"text\",\"
   required\": true},{\"name\": \"DATA_SOURCE_USERNAME\",\"
   type\": \"text\",\"required\": true},{\"name\": \"
   DATA_SOURCE_HOST\",\"type\": \"text\",\"required\": true
   },{\"name\": \"DATA_SOURCE_PORT\",\"type\": \"number\",\"
   required\": true},{\"name\": \"DATA_SOURCE_PASSWORD\",\"
   type\": \"password\",\"required\": true},{\"name\": \"
   STATION_NAME\",\"type\": \"text\",\"required\": true}]"

COPY . .

RUN pip install -r requirements.txt
```

```
CMD [ "python", "main.py" ]
```

1.3 Requirements & Dependencies

Listing 1.2: List of all Requirements

```
requests==2.18.4
```

1.4 Code Base

Legend: env query retrieve_previous_results execute_analysis save log

1.5 Connection Parameters

Overall, 6 connection parameters have been found in the train:

Name	Type	Required?
DB_NAME	text	True
DATA_SOURCE_USERNAME	text	True
DATA_SOURCE_HOST	text	True
DATA_SOURCE_PORT	number	True
DATA_SOURCE_PASSWORD	password	True
STATION_NAME	text	True

2. Static Train Analysis

Summary 2.1

- **Number of Lines:** 223885
- **Vulnerabilities per Line:** 0.000169
- **Analysis Score:** 1.0

Total

Summary: Low: 0 Medium: 5 High: 5

2.1 SAST

Summary: Low: 0 Medium: 0 High: 0

Detailed Vulnerabilities:

2.2 Secret Detection

Summary: Low: 0 Medium: 0 High: 0

Detailed Secret Detection:

2.3 Dependency Analysis

Summary: Low: 0 Medium: 5 High: 3

Detailed Dependency Analysis:

Dependency Analysis 2.1

Test-specific ID: 395a0056986c834d1661bcb7186666d1e41b74726dfea342712af5b5deab1cde

Severity: Critical
Identifiers:
- **gemnasium:** 2d0dd26c-c781-40e1-b126-7f20b21de048
- **cve:** CVE-2018-18074

File:DependencyScanning/requirements.txt **Dependency:** requests 2.18.4

Dependency Analysis 2.2

Test-specific ID: 9ce188285abdba619516b6d77acc8d9f84b88eeddc1c779c4d36fc50e49b2792
Severity: Critical
Identifiers:
- **gemnasium:** af82cc04-6c51-4b45-aaeb-4a04b7d7b574
- **cve:** CVE-2018-20060

File:DependencyScanning/requirements.txt **Dependency:** urllib3 1.22

Dependency Analysis 2.3

Test-specific ID: ac48f66bfdf72cfd116e0aed4967c750d2227a0b1c9684f0e6ab6f9021256fa8
Severity: High
Identifiers:
- **gemnasium:** 37bd3208-7f9f-4d23-86bd-a422d455fd45
- **cve:** CVE-2019-11324

File:DependencyScanning/requirements.txt **Dependency:** urllib3 1.22

Dependency Analysis 2.4

Test-specific ID: 3d8b6cc8844effaeee3f2b255f76fc7483e53c4d04ad73e9f14844d8a865941b
Severity: High
Identifiers:
- **gemnasium:** d636f01f-accc-4622-824c-8b31b894a280
- **cve:** CVE-2023-43804
- **ghsa:** GHSA-v845-jxx5-vc9f

File:DependencyScanning/requirements.txt **Dependency:** urllib3 1.22

Dependency Analysis 2.5

Test-specific ID: d8d4ac2f4d929142725db1481f83962d24c1edcad3a31058133b5b63c124f575
Severity: High
Identifiers:
- **gemnasium:** e911aff3-e47b-41b4-a4fd-3e91a0cae9a3
- **cve:** CVE-2021-33503
- **ghsa:** GHSA-q2q7-5pp4-w6pg

File:DependencyScanning/requirements.txt **Dependency:** urllib3 1.22

Dependency Analysis 2.6

Test-specific ID: c0491d7137b5edba1b57d415c3b3a33b07975be07b03e3ce67588d66071d61d6
Severity: Medium
Identifiers:

- **gemnasium:** 3336763b-c21a-4bc3-888d-4339dc241346
- **cve:** CVE-2023-32681
- **ghsa:** GHSA-j8r2-6x86-q33q

File:DependencyScanning/requirements.txt **Dependency:** requests 2.18.4

Dependency Analysis 2.7

Test-specific ID: a2625cf8fe06fac7f9da37d6b69f00e9e0dc403dda0d8ac3f336222dc94043e3
Severity: Medium
Identifiers:

- **gemnasium:** 3fe209b0-ac65-404f-a4da-95db68934b89
- **cve:** CVE-2023-45803
- **ghsa:** GHSA-g4mx-q9vg-27p4

File:DependencyScanning/requirements.txt **Dependency:** urllib3 1.22

Dependency Analysis 2.8

Test-specific ID: 93318e32fd4a13b7be53b1bdf3397c7997dd8e26ac7b71c4a59a49710851d20d
Severity: Medium
Identifiers:

- **gemnasium:** 5d1a08b6-fd29-409c-bf1a-7ce769714a8e
- **cve:** CVE-2019-11236

File:DependencyScanning/requirements.txt **Dependency:** urllib3 1.22

Dependency Analysis 2.9

Test-specific ID: 6c54ee1daccb74e0578646a9d4ab4169a00142156ef53766810ef6fbf9ec6cfa
Severity: Medium
Identifiers:

- **gemnasium:** 6801dbac-c618-4270-84f5-c8d5e7b7542e
- **cve:** CVE-2020-26137

File:DependencyScanning/requirements.txt **Dependency:** urllib3 1.22

Dependency Analysis 2.10

Test-specific ID: 2d7cb93f15c4609f26e626960405ca15b65eb829c0dbc423a60e164e1ba85bab
Severity: Medium
Identifiers:

- **gemnasium:** b7564068-826f-4ca0-887d-8fe0f7787e5b
- **cve:** CVE-2018-25091
- **ghsa:** GHSA-gwvm-45gx-3cf8

File:DependencyScanning/requirements.txt **Dependency:** urllib3 1.22

2.4 Blacklist Detection

The following patterns have been configured:

`\bPOST\b`

The following matches have been found:

None

3. Train Image Analysis

3.1 Vulnerabilities

Summary: Low: 179 Medium: 2 High: 1 Critical: 1

Detailed Vulnerabilities:

Critical:

Vulnerability 3.1

Test-specific ID: SNYK-DEBIAN12-ZLIB-6008963 **Severity:** critical
Identifiers: **Message**:Integer Overflow or Wraparound

High:

Vulnerability 3.2

Test-specific ID: SNYK-DEBIAN12-OPENSSH-6139205 **Severity:** high
Identifiers: **Message**:CVE-2023-51767

Medium:

Vulnerability 3.3

Test-specific ID: SNYK-DEBIAN12-IMAGEMAGICK-5746982 **Severity:** medium
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.4

Test-specific ID: SNYK-DEBIAN12-IMAGEMAGICK-5933304 **Severity:** medium
Identifiers: **Message**:Use After Free

Low:

Vulnerability 3.5

Test-specific ID: SNYK-DEBIAN12-AOM-5878995 **Severity:** low
Identifiers: **Message**:Out-of-Bounds

Vulnerability 3.6

Test-specific ID: SNYK-DEBIAN12-AOM-6140324 **Severity:** low
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.7

Test-specific ID: SNYK-DEBIAN12-APT-1541449 **Severity:** low
Identifiers: **Message**:Improper Verification of Cryptographic Signature

Vulnerability 3.8

Test-specific ID: SNYK-DEBIAN12-BINUTILS-1542107 **Severity:** low
Identifiers: **Message**:Integer Overflow or Wraparound

Vulnerability 3.9

Test-specific ID: SNYK-DEBIAN12-BINUTILS-1542119 **Severity:** low
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.10

Test-specific ID: SNYK-DEBIAN12-BINUTILS-1542166 **Severity:** low
Identifiers: **Message**:Out-of-bounds Read

Vulnerability 3.11
Test-specific ID: SNYK-DEBIAN12-BINUTILS-1542259 **Severity:** low
Identifiers: **Message**:Uncontrolled Recursion

Vulnerability 3.12
Test-specific ID: SNYK-DEBIAN12-BINUTILS-1542441 **Severity:** low
Identifiers: **Message**:Allocation of Resources Without Limits or Throttling

Vulnerability 3.13
Test-specific ID: SNYK-DEBIAN12-BINUTILS-5422222 **Severity:** low
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.14
Test-specific ID: SNYK-DEBIAN12-BINUTILS-5803143 **Severity:** low
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.15
Test-specific ID: SNYK-DEBIAN12-BLUEZ-1542206 **Severity:** low
Identifiers: **Message**:Out-of-bounds Read

Vulnerability 3.16
Test-specific ID: SNYK-DEBIAN12-BLUEZ-1542243 **Severity:** low
Identifiers: **Message**:Out-of-Bounds

Vulnerability 3.17
Test-specific ID: SNYK-DEBIAN12-BLUEZ-1542258 **Severity:** low
Identifiers: **Message**:Out-of-Bounds

Vulnerability 3.18
Test-specific ID: SNYK-DEBIAN12-BLUEZ-1542269 **Severity:** low
Identifiers: **Message**:Out-of-Bounds

Vulnerability 3.19
Test-specific ID: SNYK-DEBIAN12-BLUEZ-1542283 **Severity:** low
Identifiers: **Message**:Out-of-Bounds

Vulnerability 3.20
Test-specific ID: SNYK-DEBIAN12-BLUEZ-1542377 **Severity:** low
Identifiers: **Message**:Out-of-Bounds

Vulnerability 3.21
Test-specific ID: SNYK-DEBIAN12-BLUEZ-1542408 **Severity:** low
Identifiers: **Message**:Out-of-Bounds

Vulnerability 3.22
Test-specific ID: SNYK-DEBIAN12-BLUEZ-1542413 **Severity:** low
Identifiers: **Message**:Out-of-Bounds

Vulnerability 3.23
Test-specific ID: SNYK-DEBIAN12-BLUEZ-1542489 **Severity:** low
Identifiers: **Message**:Use After Free

Vulnerability 3.24
Test-specific ID: SNYK-DEBIAN12-BLUEZ-1542671 **Severity:** low
Identifiers: **Message**:Out-of-Bounds

Vulnerability 3.25
Test-specific ID: SNYK-DEBIAN12-CAIRO-1542506 **Severity:** low
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.26
Test-specific ID: SNYK-DEBIAN12-CAIRO-1542635 **Severity:** low
Identifiers: **Message**:Reachable Assertion

Vulnerability 3.27
Test-specific ID: SNYK-DEBIAN12-CAIRO-1542674 **Severity:** low
Identifiers: **Message**:NULL Pointer Dereference

Vulnerability 3.28
Test-specific ID: SNYK-DEBIAN12-CAIRO-1542729 **Severity:** low
Identifiers: **Message**:Loop with Unreachable Exit Condition (’Infinite Loop’)

Vulnerability 3.29
Test-specific ID: SNYK-DEBIAN12-COREUTILS-1543939 **Severity:** low
Identifiers: **Message**:Improper Input Validation

Vulnerability 3.30
Test-specific ID: SNYK-DEBIAN12-COREUTILS-1543947 **Severity:** low
Identifiers: **Message**:Race Condition

Vulnerability 3.31
Test-specific ID: SNYK-DEBIAN12-DAV1D-5518047 **Severity:** low
Identifiers: **Message**:Race Condition

Vulnerability 3.32
Test-specific ID: SNYK-DEBIAN12-DJVULIBRE-5858453 **Severity:** low
Identifiers: **Message**:Divide By Zero

Vulnerability 3.33
Test-specific ID: SNYK-DEBIAN12-DJVULIBRE-5858454 **Severity:** low
Identifiers: **Message**:Divide By Zero

Vulnerability 3.34
Test-specific ID: SNYK-DEBIAN12-GCC12-2606941 **Severity:** low
Identifiers: **Message**:Uncontrolled Recursion

Vulnerability 3.35
Test-specific ID: SNYK-DEBIAN12-GCC12-5901316 **Severity:** low
Identifiers: **Message**:CVE-2023-4039

Vulnerability 3.36
Test-specific ID: SNYK-DEBIAN12-GDKPIXBUF-6207393 **Severity:** low
Identifiers: **Message**:CVE-2022-48622

Vulnerability 3.37
Test-specific ID: SNYK-DEBIAN12-GIT-1547086 **Severity:** low
Identifiers: **Message**:Improper Input Validation

Vulnerability 3.38
Test-specific ID: SNYK-DEBIAN12-GIT-2399902 **Severity:** low
Identifiers: **Message**:Exposure of Resource to Wrong Sphere

Vulnerability 3.39
Test-specific ID: SNYK-DEBIAN12-GIT-5461948 **Severity:** low
Identifiers: **Message**:Use of Externally-Controlled Format String

Vulnerability 3.40
Test-specific ID: SNYK-DEBIAN12-GIT-5461953 **Severity:** low
Identifiers: **Message**:Directory Traversal

Vulnerability 3.41
Test-specific ID: SNYK-DEBIAN12-GIT-5461954 **Severity:** low
Identifiers: **Message**:Arbitrary Code Injection

Vulnerability 3.42
Test-specific ID: SNYK-DEBIAN12-GLIB20-1547042 **Severity:** low
Identifiers: **Message**:Cryptographic Issues

Vulnerability 3.43
Test-specific ID: SNYK-DEBIAN12-GLIBC-1546991 **Severity:** low
Identifiers: **Message**:Information Exposure

Vulnerability 3.44
Test-specific ID: SNYK-DEBIAN12-GLIBC-1547039 **Severity:** low
Identifiers: **Message**:Uncontrolled Recursion

Vulnerability 3.45
Test-specific ID: SNYK-DEBIAN12-GLIBC-1547069 **Severity:** low
Identifiers: **Message**:Uncontrolled Recursion

Vulnerability 3.46

Test-specific ID: SNYK-DEBIAN12-GLIBC-1547135 **Severity:** low
Identifiers: **Message**:Use of Insufficiently Random Values

Vulnerability 3.47

Test-specific ID: SNYK-DEBIAN12-GLIBC-1547196 **Severity:** low
Identifiers: **Message**:Out-of-Bounds

Vulnerability 3.48

Test-specific ID: SNYK-DEBIAN12-GLIBC-1547293 **Severity:** low
Identifiers: **Message**:Resource Management Errors

Vulnerability 3.49

Test-specific ID: SNYK-DEBIAN12-GLIBC-1547373 **Severity:** low
Identifiers: **Message**:CVE-2019-1010023

Vulnerability 3.50

Test-specific ID: SNYK-DEBIAN12-GNUPG2-3330747 **Severity:** low
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.51

Test-specific ID: SNYK-DEBIAN12-GNUTLS28-1547121 **Severity:** low
Identifiers: **Message**:Improper Input Validation

Vulnerability 3.52

Test-specific ID: SNYK-DEBIAN12-GNUTLS28-6159410 **Severity:** low
Identifiers: **Message**:Improper Verification of Cryptographic Signature

Vulnerability 3.53
Test-specific ID: SNYK-DEBIAN12-GNUTLS28-6159418 **Severity:** low
Identifiers: **Message**:Information Exposure

Vulnerability 3.54
Test-specific ID: SNYK-DEBIAN12-HARFBUZZ-3311294 **Severity:** low
Identifiers: **Message**:Allocation of Resources Without Limits or Throttling

Vulnerability 3.55
Test-specific ID: SNYK-DEBIAN12-IMAGEMAGICK-1548360 **Severity:** low
Identifiers: **Message**:Missing Release of Resource after Effective Lifetime

Vulnerability 3.56
Test-specific ID: SNYK-DEBIAN12-IMAGEMAGICK-1548383 **Severity:** low
Identifiers: **Message**:Out-of-Bounds

Vulnerability 3.57
Test-specific ID: SNYK-DEBIAN12-IMAGEMAGICK-1548409 **Severity:** low
Identifiers: **Message**:Missing Release of Resource after Effective Lifetime

Vulnerability 3.58
Test-specific ID: SNYK-DEBIAN12-IMAGEMAGICK-1548461 **Severity:** low
Identifiers: **Message**:Out-of-bounds Read

Vulnerability 3.59
Test-specific ID: SNYK-DEBIAN12-IMAGEMAGICK-1548464 **Severity:** low
Identifiers: **Message**:CVE-2005-0406

Vulnerability 3.60
Test-specific ID: SNYK-DEBIAN12-IMAGEMAGICK-1548490 **Severity:** low
Identifiers: **Message**:Resource Management Errors

Vulnerability 3.61
Test-specific ID: SNYK-DEBIAN12-IMAGEMAGICK-1548733 **Severity:** low
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.62
Test-specific ID: SNYK-DEBIAN12-IMAGEMAGICK-1548737 **Severity:** low
Identifiers: **Message**:Resource Exhaustion

Vulnerability 3.63
Test-specific ID: SNYK-DEBIAN12-IMAGEMAGICK-1548871 **Severity:** low
Identifiers: **Message**:Divide By Zero

Vulnerability 3.64
Test-specific ID: SNYK-DEBIAN12-IMAGEMAGICK-2441368 **Severity:** low
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.65
Test-specific ID: SNYK-DEBIAN12-IMAGEMAGICK-3027312 **Severity:** low
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.66
Test-specific ID: SNYK-DEBIAN12-IMAGEMAGICK-3358958 **Severity:** low
Identifiers: **Message**:Improper Input Validation

Vulnerability 3.67
Test-specific ID: SNYK-DEBIAN12-IMAGEMAGICK-5421094 **Severity:** low
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.68
Test-specific ID: SNYK-DEBIAN12-IMAGEMAGICK-5591136 **Severity:** low
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.69
Test-specific ID: SNYK-DEBIAN12-IMAGEMAGICK-5660573 **Severity:** low
Identifiers: **Message**:OS Command Injection

Vulnerability 3.70
Test-specific ID: SNYK-DEBIAN12-IMAGEMAGICK-5660608 **Severity:** low
Identifiers: **Message**:Integer Overflow or Wraparound

Vulnerability 3.71
Test-specific ID: SNYK-DEBIAN12-IMAGEMAGICK-5707518 **Severity:** low
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.72
Test-specific ID: SNYK-DEBIAN12-JANSSON-1548880 **Severity:** low
Identifiers: **Message**:Out-of-bounds Read

Vulnerability 3.73
Test-specific ID: SNYK-DEBIAN12-JBIGKIT-1549085 **Severity:** low
Identifiers: **Message**:Out-of-Bounds

Vulnerability 3.74
Test-specific ID: SNYK-DEBIAN12-KRB5-1549480 **Severity:** low
Identifiers: **Message**:Integer Overflow or Wraparound

Vulnerability 3.75
Test-specific ID: SNYK-DEBIAN12-LIBDE265-6105348 **Severity:** low
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.76
Test-specific ID: SNYK-DEBIAN12-LIBDE265-6105349 **Severity:** low
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.77
Test-specific ID: SNYK-DEBIAN12-LIBDE265-6105361 **Severity:** low
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.78
Test-specific ID: SNYK-DEBIAN12-LIBGCRYPT20-1550206 **Severity:** low
Identifiers: **Message**:Use of a Broken or Risky Cryptographic Algorithm

Vulnerability 3.79
Test-specific ID: SNYK-DEBIAN12-LIBHEIF-5498469 **Severity:** low
Identifiers: **Message**:Divide By Zero

Vulnerability 3.80
Test-specific ID: SNYK-DEBIAN12-LIBHEIF-6105360 **Severity:** low
Identifiers: **Message**:CVE-2023-49462

Vulnerability 3.81
Test-specific ID: SNYK-DEBIAN12-LIBHEIF-6105367 **Severity:** low
Identifiers: **Message**:CVE-2023-49460

Vulnerability 3.82
Test-specific ID: SNYK-DEBIAN12-LIBHEIF-6105368 **Severity:** low
Identifiers: **Message**:CVE-2023-49464

Vulnerability 3.83
Test-specific ID: SNYK-DEBIAN12-LIBHEIF-6105378 **Severity:** low
Identifiers: **Message**:CVE-2023-49463

Vulnerability 3.84
Test-specific ID: SNYK-DEBIAN12-LIBPNG16-2363910 **Severity:** low
Identifiers: **Message**:Buffer Overflow

Vulnerability 3.85
Test-specific ID: SNYK-DEBIAN12-LIBWMF-1551191 **Severity:** low
Identifiers: **Message**:Resource Management Errors

Vulnerability 3.86
Test-specific ID: SNYK-DEBIAN12-LIBWMF-1551196 **Severity:** low
Identifiers: **Message**:Numeric Errors

Vulnerability 3.87
Test-specific ID: SNYK-DEBIAN12-LIBWMF-1551197 **Severity:** low
Identifiers: **Message**:Out-of-Bounds

Vulnerability 3.88
Test-specific ID: SNYK-DEBIAN12-LIBWMF-1551447 **Severity:** low
Identifiers: **Message**:Numeric Errors

Vulnerability 3.89
Test-specific ID: SNYK-DEBIAN12-LIBXML2-5871333 **Severity:** low
Identifiers: **Message**:Out-of-Bounds

Vulnerability 3.90
Test-specific ID: SNYK-DEBIAN12-LIBXML2-5947663 **Severity:** low
Identifiers: **Message**:Use After Free

Vulnerability 3.91
Test-specific ID: SNYK-DEBIAN12-LIBXSLT-1551290 **Severity:** low
Identifiers: **Message**:Use of Insufficiently Random Values

Vulnerability 3.92
Test-specific ID: SNYK-DEBIAN12-M4-1553360 **Severity:** low
Identifiers: **Message**:CVE-2008-1688

Vulnerability 3.93
Test-specific ID: SNYK-DEBIAN12-M4-1553473 **Severity:** low
Identifiers: **Message**:CVE-2008-1687

Vulnerability 3.94
Test-specific ID: SNYK-DEBIAN12-MARIADB-6091687 **Severity:** low
Identifiers: **Message**:CVE-2023-22084

Vulnerability 3.95
Test-specific ID: SNYK-DEBIAN12-NCURSES-6123823 **Severity:** low
Identifiers: **Message**:CVE-2023-50495

Vulnerability 3.96
Test-specific ID: SNYK-DEBIAN12-OPENEXR-1555478 **Severity:** low
Identifiers: **Message**:Resource Exhaustion

Vulnerability 3.97
Test-specific ID: SNYK-DEBIAN12-OPENEXR-1555810 **Severity:** low
Identifiers: **Message**:Integer Underflow

Vulnerability 3.98
Test-specific ID: SNYK-DEBIAN12-OPENJPEG2-1555599 **Severity:** low
Identifiers: **Message**:NULL Pointer Dereference

Vulnerability 3.99
Test-specific ID: SNYK-DEBIAN12-OPENJPEG2-1555605 **Severity:** low
Identifiers: **Message**:NULL Pointer Dereference

Vulnerability 3.100
Test-specific ID: SNYK-DEBIAN12-OPENJPEG2-1555606 **Severity:** low
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.101
Test-specific ID: SNYK-DEBIAN12-OPENJPEG2-1555618 **Severity:** low
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.102
Test-specific ID: SNYK-DEBIAN12-OPENJPEG2-1555638 **Severity:** low
Identifiers: **Message**:Improper Input Validation

Vulnerability 3.103
Test-specific ID: SNYK-DEBIAN12-OPENJPEG2-1555659 **Severity:** low
Identifiers: **Message**:NULL Pointer Dereference

Vulnerability 3.104
Test-specific ID: SNYK-DEBIAN12-OPENJPEG2-1555684 **Severity:** low
Identifiers: **Message**:Out-of-Bounds

Vulnerability 3.105
Test-specific ID: SNYK-DEBIAN12-OPENJPEG2-1555859 **Severity:** low
Identifiers: **Message**:Divide By Zero

Vulnerability 3.106
Test-specific ID: SNYK-DEBIAN12-OPENJPEG2-1555862 **Severity:** low
Identifiers: **Message**:NULL Pointer Dereference

Vulnerability 3.107
Test-specific ID: SNYK-DEBIAN12-OPENJPEG2-1555866 **Severity:** low
Identifiers: **Message**:Integer Overflow or Wraparound

Vulnerability 3.108
Test-specific ID: SNYK-DEBIAN12-OPENJPEG2-1555892 **Severity:** low
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.109
Test-specific ID: SNYK-DEBIAN12-OPENJPEG2-1555911 **Severity:** low
Identifiers: **Message**:Allocation of Resources Without Limits or Throttling

Vulnerability 3.110
Test-specific ID: SNYK-DEBIAN12-OPENJPEG2-1555936 **Severity:** low
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.111
Test-specific ID: SNYK-DEBIAN12-OPENJPEG2-1556010 **Severity:** low
Identifiers: **Message**:Out-of-Bounds

Vulnerability 3.112
Test-specific ID: SNYK-DEBIAN12-OPENJPEG2-1556013 **Severity:** low
Identifiers: **Message**:NULL Pointer Dereference

Vulnerability 3.113
Test-specific ID: SNYK-DEBIAN12-OPENLDAP-1555631 **Severity:** low
Identifiers: **Message**:Improper Initialization

Vulnerability 3.114
Test-specific ID: SNYK-DEBIAN12-OPENLDAP-1555724 **Severity:** low
Identifiers: **Message**:Out-of-Bounds

Vulnerability 3.115
Test-specific ID: SNYK-DEBIAN12-OPENLDAP-1555918 **Severity:** low
Identifiers: **Message**:Improper Certificate Validation

Vulnerability 3.116
Test-specific ID: SNYK-DEBIAN12-OPENLDAP-1555941 **Severity:** low
Identifiers: **Message**:Cryptographic Issues

Vulnerability 3.117
Test-specific ID: SNYK-DEBIAN12-OPENLDAP-5660620 **Severity:** low
Identifiers: **Message**:NULL Pointer Dereference

Vulnerability 3.118
Test-specific ID: SNYK-DEBIAN12-OPENSSH-1555751 **Severity:** low
Identifiers: **Message**:Information Exposure

Vulnerability 3.119
Test-specific ID: SNYK-DEBIAN12-OPENSSH-1555766 **Severity:** low
Identifiers: **Message**:Access Restriction Bypass

Vulnerability 3.120
Test-specific ID: SNYK-DEBIAN12-OPENSSH-1556004 **Severity:** low
Identifiers: **Message**:Improper Authentication

Vulnerability 3.121
Test-specific ID: SNYK-DEBIAN12-OPENSSH-1556046 **Severity:** low
Identifiers: **Message**:Information Exposure

Vulnerability 3.122
Test-specific ID: SNYK-DEBIAN12-OPENSSH-1556049 **Severity:** low
Identifiers: **Message**:Information Exposure

Vulnerability 3.123
Test-specific ID: SNYK-DEBIAN12-OPENSSH-1556053 **Severity:** low
Identifiers: **Message**:Inappropriate Encoding for Output Context

Vulnerability 3.124
Test-specific ID: SNYK-DEBIAN12-OPENSSH-1556262 **Severity:** low
Identifiers: **Message**:OS Command Injection

Vulnerability 3.125
Test-specific ID: SNYK-DEBIAN12-OPENSSH-1585651 **Severity:** low
Identifiers: **Message**:CVE-2016-20012

Vulnerability 3.126
Test-specific ID: SNYK-DEBIAN12-OPENSSL-1555825 **Severity:** low
Identifiers: **Message**:Cryptographic Issues

Vulnerability 3.127
Test-specific ID: SNYK-DEBIAN12-OPENSSL-1555907 **Severity:** low
Identifiers: **Message**:Cryptographic Issues

Vulnerability 3.128
Test-specific ID: SNYK-DEBIAN12-OPENSSL-6048820 **Severity:** low
Identifiers: **Message**:Improper Check for Unusual or Exceptional Conditions

Vulnerability 3.129
Test-specific ID: SNYK-DEBIAN12-OPENSSL-6148845 **Severity:** low
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.130
Test-specific ID: SNYK-DEBIAN12-OPENSSL-6157243 **Severity:** low
Identifiers: **Message**:CVE-2023-6237

Vulnerability 3.131
Test-specific ID: SNYK-DEBIAN12-OPENSSL-6190223 **Severity:** low
Identifiers: **Message**:CVE-2024-0727

Vulnerability 3.132
Test-specific ID: SNYK-DEBIAN12-PAM-6178914 **Severity:** low
Identifiers: **Message**:CVE-2024-22365

Vulnerability 3.133
Test-specific ID: SNYK-DEBIAN12-PATCH-1556285 **Severity:** low
Identifiers: **Message**:Directory Traversal

Vulnerability 3.134
Test-specific ID: SNYK-DEBIAN12-PATCH-1556552 **Severity:** low
Identifiers: **Message**:NULL Pointer Dereference

Vulnerability 3.135
Test-specific ID: SNYK-DEBIAN12-PATCH-1556555 **Severity:** low
Identifiers: **Message**:Double Free

Vulnerability 3.136
Test-specific ID: SNYK-DEBIAN12-PATCH-2324793 **Severity:** low
Identifiers: **Message**:Release of Invalid Pointer or Reference

Vulnerability 3.137
Test-specific ID: SNYK-DEBIAN12-PERL-1556505 **Severity:** low
Identifiers: **Message**:Link Following

Vulnerability 3.138
Test-specific ID: SNYK-DEBIAN12-PERL-5489184 **Severity:** low
Identifiers: **Message**:Improper Certificate Validation

Vulnerability 3.139
Test-specific ID: SNYK-DEBIAN12-PERL-5489190 **Severity:** low
Identifiers: **Message**:Improper Certificate Validation

Vulnerability 3.140
Test-specific ID: SNYK-DEBIAN12-PIXMAN-5803155 **Severity:** low
Identifiers: **Message**:Divide By Zero

Vulnerability 3.141
Test-specific ID: SNYK-DEBIAN12-PROCPS-5816466 **Severity:** low
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.142
Test-specific ID: SNYK-DEBIAN12-PYTHON311-3325304 **Severity:** low
Identifiers: **Message**:Improper Input Validation

Vulnerability 3.143
Test-specific ID: SNYK-DEBIAN12-PYTHON311-5430932 **Severity:** low
Identifiers: **Message**:Improper Input Validation

Vulnerability 3.144
Test-specific ID: SNYK-DEBIAN12-PYTHON311-5754614 **Severity:** low
Identifiers: **Message**:Out-of-bounds Read

Vulnerability 3.145
Test-specific ID: SNYK-DEBIAN12-PYTHON311-5853785 **Severity:** low
Identifiers: **Message**:Untrusted Search Path

Vulnerability 3.146
Test-specific ID: SNYK-DEBIAN12-PYTHON311-5861799 **Severity:** low
Identifiers: **Message**:CVE-2023-40217

Vulnerability 3.147
Test-specific ID: SNYK-DEBIAN12-SHADOW-1559391 **Severity:** low
Identifiers: **Message**:Access Restriction Bypass

Vulnerability 3.148
Test-specific ID: SNYK-DEBIAN12-SHADOW-1559403 **Severity:** low
Identifiers: **Message**:Incorrect Permission Assignment for Critical Resource

Vulnerability 3.149
Test-specific ID: SNYK-DEBIAN12-SHADOW-5423923 **Severity:** low
Identifiers: **Message**:Arbitrary Code Injection

Vulnerability 3.150
Test-specific ID: SNYK-DEBIAN12-SHADOW-5879156 **Severity:** low
Identifiers: **Message**:Improper Authentication

Vulnerability 3.151
Test-specific ID: SNYK-DEBIAN12-SQLITE3-2407042 **Severity:** low
Identifiers: **Message**:Memory Leak

Vulnerability 3.152
Test-specific ID: SNYK-DEBIAN12-SQLITE3-6139924 **Severity:** low
Identifiers: **Message**:Out-of-Bounds

Vulnerability 3.153
Test-specific ID: SNYK-DEBIAN12-SQLITE3-6155400 **Severity:** low
Identifiers: **Message**:Use After Free

Vulnerability 3.154
Test-specific ID: SNYK-DEBIAN12-SYSTEMD-1560739 **Severity:** low
Identifiers: **Message**:Link Following

Vulnerability 3.155
Test-specific ID: SNYK-DEBIAN12-SYSTEMD-5733385 **Severity:** low
Identifiers: **Message**:Improper Validation of Integrity Check Value

Vulnerability 3.156
Test-specific ID: SNYK-DEBIAN12-SYSTEMD-5733390 **Severity:** low
Identifiers: **Message**:Improper Validation of Integrity Check Value

Vulnerability 3.157
Test-specific ID: SNYK-DEBIAN12-SYSTEMD-5733398 **Severity:** low
Identifiers: **Message**:Improper Validation of Integrity Check Value

Vulnerability 3.158
Test-specific ID: SNYK-DEBIAN12-SYSTEMD-6137714 **Severity:** low
Identifiers: **Message**:CVE-2023-7008

Vulnerability 3.159
Test-specific ID: SNYK-DEBIAN12-TAR-1560620 **Severity:** low
Identifiers: **Message**:CVE-2005-2541

Vulnerability 3.160
Test-specific ID: SNYK-DEBIAN12-TAR-3253526 **Severity:** low
Identifiers: **Message**:Out-of-bounds Read

Vulnerability 3.161
Test-specific ID: SNYK-DEBIAN12-TAR-6120422 **Severity:** low
Identifiers: **Message**:CVE-2023-39804

Vulnerability 3.162
Test-specific ID: SNYK-DEBIAN12-TCL86-1560164 **Severity:** low
Identifiers: **Message**:Use of Externally-Controlled Format String

Vulnerability 3.163
Test-specific ID: SNYK-DEBIAN12-TIFF-1560922 **Severity:** low
Identifiers: **Message**:Missing Release of Resource after Effective Lifetime

Vulnerability 3.164
Test-specific ID: SNYK-DEBIAN12-TIFF-1561093 **Severity:** low
Identifiers: **Message**:Out-of-bounds Read

Vulnerability 3.165
Test-specific ID: SNYK-DEBIAN12-TIFF-1561130 **Severity:** low
Identifiers: **Message**:Use After Free

Vulnerability 3.166
Test-specific ID: SNYK-DEBIAN12-TIFF-1561402 **Severity:** low
Identifiers: **Message**:NULL Pointer Dereference

Vulnerability 3.167
Test-specific ID: SNYK-DEBIAN12-TIFF-1561632 **Severity:** low
Identifiers: **Message**:Out-of-bounds Read

Vulnerability 3.168
Test-specific ID: SNYK-DEBIAN12-TIFF-2440572 **Severity:** low
Identifiers: **Message**:Improper Resource Shutdown or Release

Vulnerability 3.169
Test-specific ID: SNYK-DEBIAN12-TIFF-5416364 **Severity:** low
Identifiers: **Message**:Out-of-bounds Read

Vulnerability 3.170
Test-specific ID: SNYK-DEBIAN12-TIFF-5673710 **Severity:** low
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.171
Test-specific ID: SNYK-DEBIAN12-TIFF-5724640 **Severity:** low
Identifiers: **Message**:NULL Pointer Dereference

Vulnerability 3.172
Test-specific ID: SNYK-DEBIAN12-TIFF-5747599 **Severity:** low
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.173
Test-specific ID: SNYK-DEBIAN12-TIFF-5749338 **Severity:** low
Identifiers: **Message**:Buffer Overflow

Vulnerability 3.174
Test-specific ID: SNYK-DEBIAN12-TIFF-5750144 **Severity:** low
Identifiers: **Message**:NULL Pointer Dereference

Vulnerability 3.175
Test-specific ID: SNYK-DEBIAN12-TIFF-5767899 **Severity:** low
Identifiers: **Message**:Buffer Overflow

Vulnerability 3.176
Test-specific ID: SNYK-DEBIAN12-TIFF-5773187 **Severity:** low
Identifiers: **Message**:Buffer Overflow

Vulnerability 3.177
Test-specific ID: SNYK-DEBIAN12-TIFF-6079922 **Severity:** low
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.178
Test-specific ID: SNYK-DEBIAN12-TIFF-6084514 **Severity:** low
Identifiers: **Message**:Resource Exhaustion

Vulnerability 3.179

Test-specific ID: SNYK-DEBIAN12-TIFF-6190608 **Severity:** low
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.180

Test-specific ID: SNYK-DEBIAN12-TIFF-6190785 **Severity:** low
Identifiers: **Message**:Out-of-bounds Write

Vulnerability 3.181

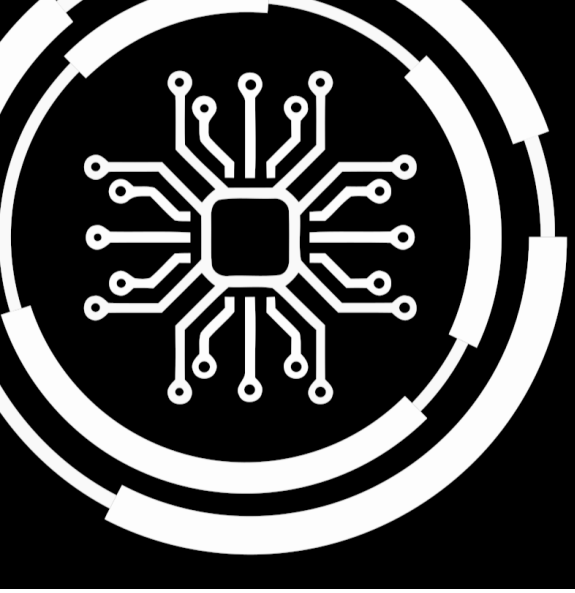
Test-specific ID: SNYK-DEBIAN12-UNZIP-2387294 **Severity:** low
Identifiers: **Message**:NULL Pointer Dereference

Vulnerability 3.182

Test-specific ID: SNYK-DEBIAN12-UTILLINUX-2401083 **Severity:** low
Identifiers: **Message**:Information Exposure

Vulnerability 3.183

Test-specific ID: SNYK-DEBIAN12-WGET-1562497 **Severity:** low
Identifiers: **Message**:Open Redirect

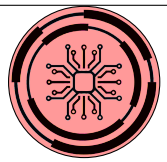
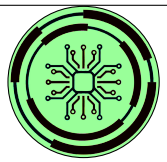
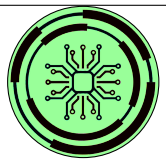
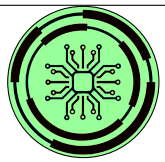


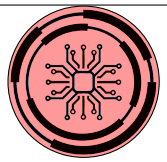
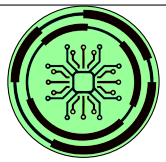
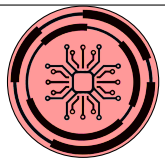
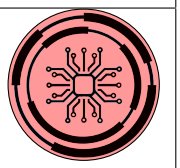
4. Dynamic Train Analysis

No Dynamic Report Available

5. Conclusion

The PADME Security Audit has come to the following conclusion:

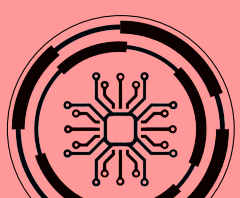
Static Complete	SAST	Dependencies	Secret Detection
			

Standard Compliant	Blacklist	Train Image Analysis	DAST
			

Warnings

- Found 2 critical vulnerabilities in the static analysis.
- Found 1 critical vulnerability in the image.
- Couldn't detect compliance with standards (usage of the python module padme_conductor [https://pypi.org/project/padme-conductor]).
- The reports dynamic_report.json are missing. Acceptance threshold increased from 0.5 to 0.75.

Audit Result

Train Rejected

February 1, 2024