KENNA Security

All Things Assets – Part 2

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All Things Assets – 3 Part Series (Review)

Part 1 – Asset Status (April)

- Introduction to Assets
- Active and Inactive Assets – What does that really mean?
- Why letting Kenna control the asset status makes sense.
- Exceptions to the rule – When making manual decisions make sense.
- What is the "*by human flag*" and how to remove it?
- Creating a risk meter to show inactive assets that have been seen within the asset inactivity window.
- Creating a risk meter to show active assets that fall outside the asset inactivity window

Part 2 – Asset Management (May)

Part 3 – Asset Priority Best Practices (June)

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All Things Assets – 3 Part Series (Today)

Part 1 – Asset Status (April)

Part 2 – Asset Management (May)

- Deduplication - Locators
- Tagging Strategy - Bringing in tags
- Asset Ownership – Keeping it up to date
- Discovery & Data Enrichment – Using CMDB data

Part 3 – Asset Priority Best Practices (June)

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All Things Assets – 3 Part Series

Part 1 – Asset Status (April)

Part 2 – Asset Management (May)

Part 3 – Asset Priority Best Practices (June)

- Asset Scoring
- Asset Priority – Use Cases
- Risks and Pitfalls

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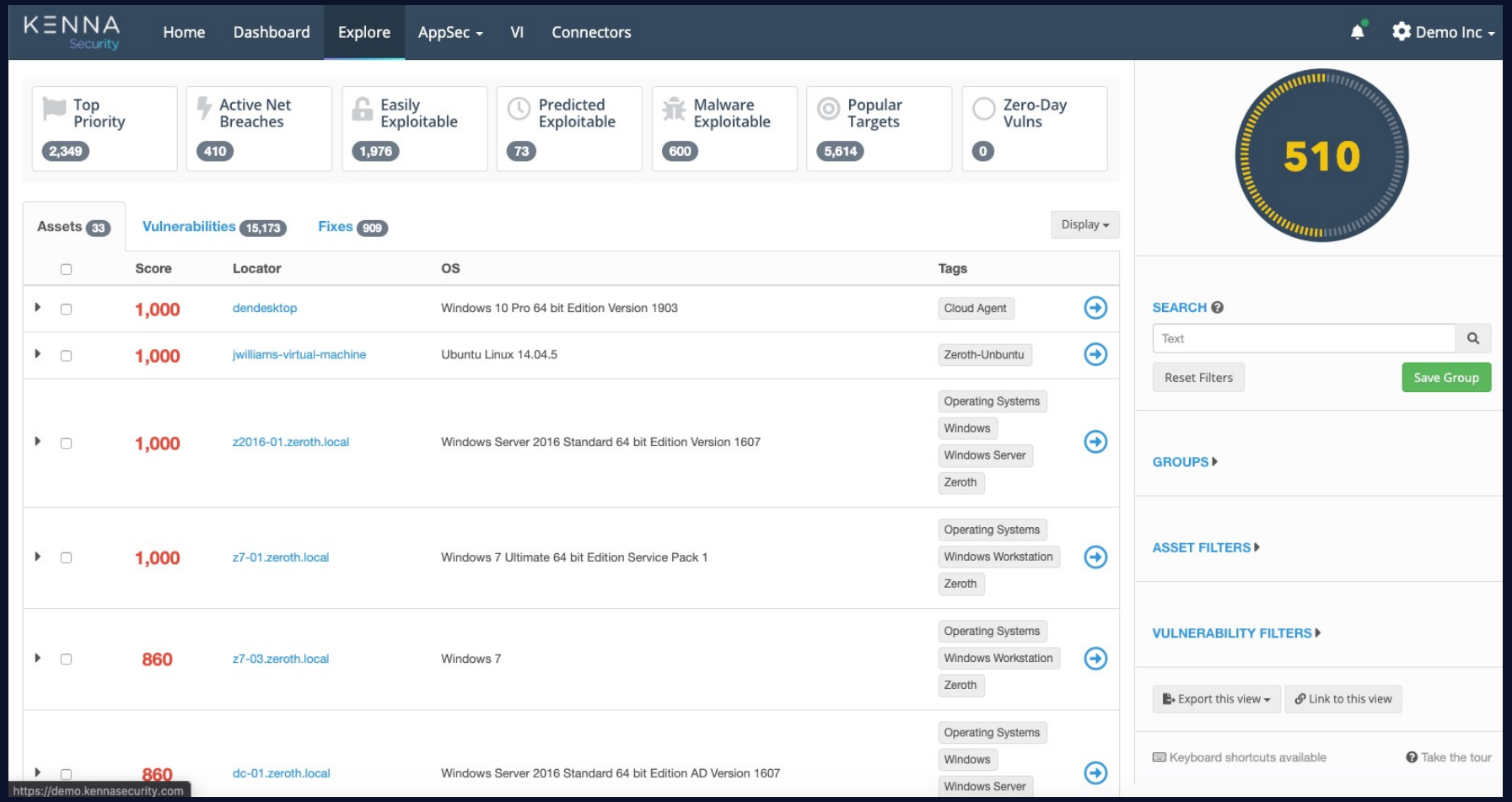
Introduction to Assets



Where the Vulns Live…

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Deduplication - Locators

1. EC2 identifier
2. MAC address
3. NetBIOS
4. External IP address
5. Hostname
6. URL
7. File Name
8. FQDN
9. Internal IP Address (RFC1918)
10. Scanner-Specific Asset ID (Qualys, Nexpose)

Notes:

- Not all sources provide the same locators
- Only one spot per locator type
- Can be defined at the System level OR the connector level.

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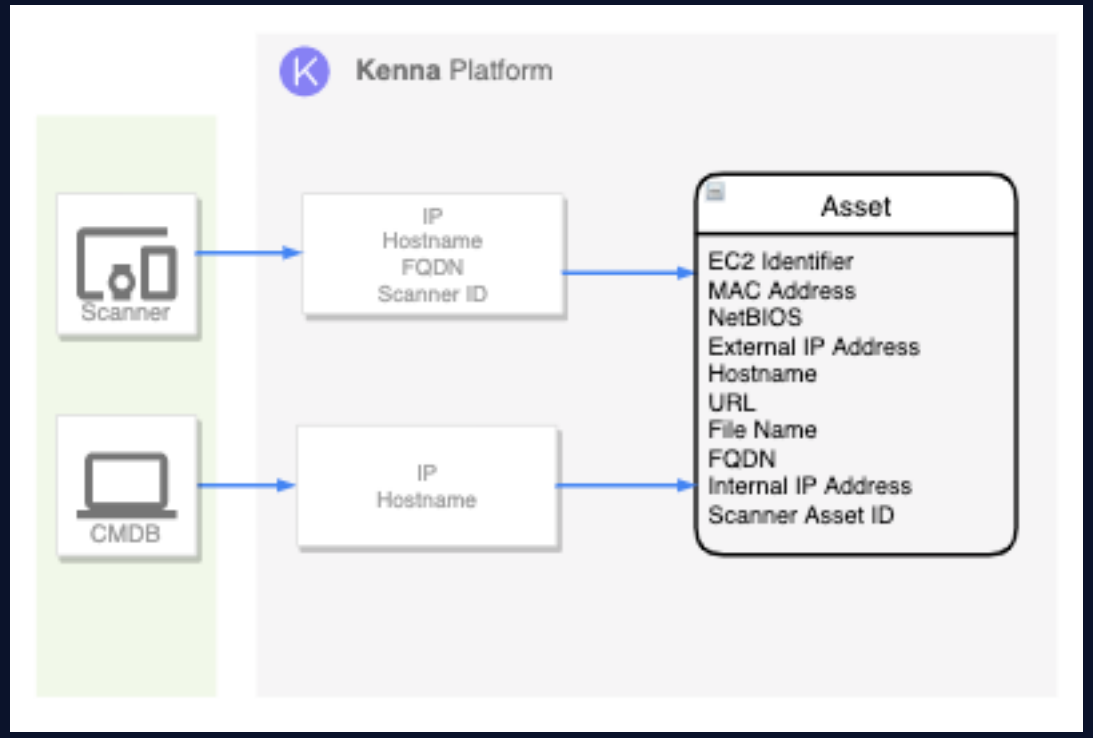
Deduplication - Locators



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Tags

Intro to tags:

- **What are Tags?**
- **Clear strategy helps.**

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Tags

Sources

- **Scanner** – Qualys, Nexpose, Tenable, etc.
- **CMDB** - ServiceNow CMDB
- **API** – apidocs.kennasecurity.com
- **Kenna Data Importer** (KDI)
- **Kenna User Interface** (UI)

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Tags

Things to consider:

- A Tag is a Tag is a Tag
- Prefixes are COOL
- Text Search is COOL

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Tags

DEMO

- Where Tags appear
- Filters
- Text Search

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Ownership

Ownership

- Asset Ownership is **very important**
- More complicated than you may think
  - Multiple owners
  - No clear owners
- Need Evergreen process

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Ownership

Owners within Kenna:

- Where to see Owners
  - Owner column
  - Tags
- How to manage/set
  - UI
  - CMDB connectors
  - Kenna Data Importer (KDI)
  - API/Scripts

DEMO

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Discovery

Discovery

NMAP

servicenow CMDB

Asset Discovery Data in Kenna:

- NMAP
- ServiceNow CMDB
- Custom
  - API/Script
  - KDI

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CMDB

Discovery

NMAP

servicenow CMDB

Steps for CMDB success with Kenna:

- **What?**
  - Identify the desired data from your CMDB
  - Two Types of data to consider
    - Matching Data
    - Enrichment Data
- **Where?** (cmdb_ci is the default)
  - Where is this data currently located?
  - One table or is a view needed to consolidate
- **How?**

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CMDB – How?

1. Contact your ServiceNow Admin
2. Review data and decide on a Table or a View
3. Determine permissions needed for service account. (read-only)
4. Data Verification
    1. Locators
    2. Tag data
5. Locator Setup
    1. Locator mapping
    2. Locator order
6. Filtering?
7. Tag Prefixes?

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Q & A

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Thank you

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Kenna Security, CSE