

graph_snyk

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1 CREATE TABLE test.t_tmp_craw_snyk(id varchar, vul_msg jsonb)
2
3 TRUNCATE TABLE test.t_tmp_craw_snyk ;
4 INSERT INTO test.t_tmp_craw_snyk
5 SELECT datas ->> 'id' AS id , datas.value AS vul_msg
6 FROM test.t_tmp_craw_snyk_tmp t,
7 jsonb_array_elements(t.vul_msg -> 'data') datas
8
9
10 --vul
11 CREATE TABLE test.t_tmp_node_vul_SNYK AS
12 WITH wt_cwe AS
13 (
14     SELECT tmp.id, jsonb_agg(tmp.cwe_json) AS weakness
15     FROM
16     (
17         SELECT t.id, jsonb_build_object('type', NULL, 'cweId', cwes ->> 0 , 'description', NULL) AS cwe_json
18         FROM test.t_tmp_craw_snyk t,
19         jsonb_array_elements(t.vul_msg -> 'identifiers' -> 'CWE') AS cwes
20     )tmp
21     GROUP BY tmp.id
22 )
23 SELECT t.id,
24     t.vul_msg -> 'identifiers' ->> 'CVE' AS aliases,
25     jsonb_build_object('discovery', NULL, 'identifier', t.vul_msg ->> 'credit') AS SOURCE,
26     jsonb_build_object('title', t.vul_msg ->> 'title', 'details', t.vul_msg ->> 'description') AS description,
27     wc.weakness,
28     jsonb_build_object('version', split_part(split_part( t.vul_msg ->> 'CVSSv3', '/',1),':',2), 'baseScore',
29     jsonb_build_object('published', t.vul_msg ->> 'publicationTime', 'lastModified', NULL, 'datePublic', t.vul_msg ->> 'datePublic'),
30     ('{"impact_info":{"impacts":null, "impactScore":null},
31         "PoC_info":{"PoC_available":null, "PoC":null, "PoC_url":null},
32         "patch_info":{"patch_available":null, "patch_url":null },
33         "report_status":null}') ||
34     jsonb_build_object('solution_info', COALESCE(t.vul_msg ->> 'remediation', '[]')) ||
35     jsonb_build_object('exploit_info', jsonb_build_object('exploitable', NULL, 'exploits', COALESCE (t.vul_msg ->> 'exploits', '[]'))) AS
36 FROM test.t_tmp_craw_snyk t
37 LEFT JOIN wt_cwe wc
38     ON t.id = wc.id ;
39
40 DELETE FROM test.dws_graph_node_vul WHERE vul_source = 'SNYK';
41 ALTER SEQUENCE cve_graph_seq RESTART START WITH 1;
42 INSERT INTO test.dws_graph_node_vul
43 SELECT nextval('cve_graph_seq') AS seq, tmp.*
44 FROM
45 (
46     SELECT DISTINCT id , aliases , "source", description ,weakness, severity, time_info, vul_status, 'SNYK' AS
47 )tmp ;
48
49
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50 SELECT *FROM test.t_tmp_node_vul_SNYK LIMIT 10
51
52 --affected_component
53 CREATE TABLE test.t_tmp_graph_node_component_SNYK AS
54 SELECT cs.id, cs.vul_msg ->> 'language' AS LANGUAGE,
55        cs.vul_msg ->> 'packageName' AS module,
56        cs.vul_msg ->> 'packageManager' AS ecosystem,
57        '*' AS vendor,
58        '*' AS product ,
59        jsonb_build_object('version_range', cs.vul_msg -> 'semver' ->> 'vulnerable') AS affected_versions
60 FROM test.t_tmp_craw_snyk cs ;
61
62 DELETE FROM test.dws_graph_node_affected_component WHERE vul_source = 'SNYK';
63 ALTER SEQUENCE cve_graph_seq RESTART START WITH 1;
64 INSERT INTO test.dws_graph_node_affected_component
65     SELECT nextval('cve_graph_seq') AS seq, tmp.*
66 FROM (
67     SELECT DISTINCT product, vendor, module, ecosystem, 'SNYK' AS vul_source FROM test.t_tmp_graph_node_c
68 )tmp;
69
70 SELECT *FROM test.t_tmp_graph_node_component_SNYK LIMIT 10;
71
72 DELETE FROM test.dws_graph_relationships_affected_components WHERE vul_source = 'SNYK';
73 ALTER SEQUENCE cve_graph_seq RESTART START WITH 1;
74 INSERT INTO test.dws_graph_relationships_affected_components
75     SELECT nextval('cve_graph_seq') AS seq, tmp.*
76 FROM (
77     SELECT DISTINCT id, product, vendor, module, ecosystem, '' repo_url, language AS platform,
78        '' AS collectionurl, '' AS defaultstatus, affected_versions, '{}'::jsonb unaffected_versions, 'SNY
79 )tmp;
80
81
82
83
84
85
86 --cwe
87 CREATE TABLE test.t_tmp_graph_node_cwe_SNYK AS
88 SELECT t.id, cwes ->> 0 AS cwe_id
89     FROM test.t_tmp_craw_snyk t,
90     jsonb_array_elements(t.vul_msg -> 'identifiers' -> 'CWE') AS cwes
91
92 DELETE FROM test.dws_graph_node_cwe WHERE vul_source = 'SNYK';
93 ALTER SEQUENCE cve_graph_seq RESTART START WITH 1;
94 INSERT INTO test.dws_graph_node_cwe
95     SELECT nextval('cve_graph_seq') AS seq, tmp.*
96 FROM (
97     SELECT DISTINCT cwe_id, 'SNYK' FROM test.t_tmp_graph_node_cwe_SNYK
98 )tmp;
99
100
101 DELETE FROM test.dws_graph_relationships_cwe WHERE vul_source = 'SNYK';
102 ALTER SEQUENCE cve_graph_seq RESTART START WITH 1;
103 INSERT INTO test.dws_graph_relationships_cwe
104     SELECT nextval('cve_graph_seq') AS seq, tmp.*
105 FROM (
106     SELECT DISTINCT id, cwe_id , '' AS cwe_type, '' AS cwe_desc , 'SNYK' AS vul_source FROM test.t_tmp_gr
107 )tmp;

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108
109
110 --refs
111 CREATE TABLE test.t_tmp_graph_node_refs_SNYK AS
112 SELECT *
113 FROM
114 (
115     SELECT t.id, trim(UNNEST (string_to_array( regexp_replace( t.vul_msg -> 'vulnDescription' ->> 'References'
116     FROM test.t_tmp_craw_snyk t
117 )tmp
118 WHERE tmp.ref_url LIKE 'http%'
119
120 DELETE FROM test.dws_graph_node_refs WHERE vul_source = 'SNYK';
121 ALTER SEQUENCE cve_graph_seq RESTART START WITH 1;
122 INSERT INTO test.dws_graph_node_refs
123     SELECT nextval('cve_graph_seq') AS seq, tmp.*
124 FROM (
125     SELECT DISTINCT ref_url, 'SNYK' AS source FROM test.t_tmp_graph_node_refs_SNYK
126 )tmp;
127
128 DELETE FROM test.dws_graph_relationships_refs WHERE vul_source = 'SNYK';
129 ALTER SEQUENCE cve_graph_seq RESTART START WITH 1;
130 INSERT INTO test.dws_graph_relationships_refs
131     SELECT nextval('cve_graph_seq') AS seq, tmp.*
132 FROM (
133     SELECT DISTINCT id, ref_url , '' AS tags, '' AS ref_desc , 'SNYK' AS vul_source FROM test.t_tmp_graph_
134 )tmp;
135
136
137
138
```