

## Table: CVE\_TO\_DOWNLOAD

This table contains the links to the respective web pages for each CVE and each of the four sources.

FIELD NAME	FIELD TYPE	NULL	INFO	NOTES
CVE	NVARCHAR	NO	PRIMARY KEY	
NVD	NVARCHAR	YES		
CVEDETAILS	NVARCHAR	YES		
SNYK	NVARCHAR	YES		
JIRA	NVARCHAR	YES		

## Table: VULNERABILITIES

This is the main table which contains all the info collected from the following sources: NVD, CVEDetails, SYNK, Jira tickets.

FIELD NAME	FIELD TYPE	NULL	INFO	NOTES
NVD_DESCRIPTION	NVARCHAR	YES		
NVD_PUBLISHED_DATE	DATETIME	YES		
NVD_LAST_MODIFIED_DATE	DATETIME	YES		
NVD_SOURCE	NVARCHAR	YES		
NVD_CVSS3_NIST_NAME	NVARCHAR	YES		
NVD_CVSS3_NIST_SCORE	NVARCHAR	YES		
NVD_CVSS3_NIST_SEVERITY	NVARCHAR	YES		
NVD_CVSS3_NIST_VECTOR	NVARCHAR	YES		
NVD_CVSS3_CNA_NAME	NVARCHAR	YES		
NVD_CVSS3_CNA_SCORE	NVARCHAR	YES		

FIELD NAME	FIELD TYPE	NULL	INFO	NOTES
NVD_CVSS3_CNA_SEVERITY	NVARCHAR	YES		
NVD_CVSS3_CNA_VECTOR	NVARCHAR	YES		
NVD_CVSS2_NIST_NAME	NVARCHAR	YES		
NVD_CVSS2_NIST_SCORE	NVARCHAR	YES		
NVD_CVSS2_NIST_SEVERITY	NVARCHAR	YES		
NVD_CVSS2_NIST_VECTOR	NVARCHAR	YES		
NVD_CVSS2_CNA_NAME	NVARCHAR	YES		
NVD_CVSS2_CNA_SCORE	NVARCHAR	YES		
NVD_CVSS2_CNA_SEVERITY	NVARCHAR	YES		
NVD_CVSS2_CNA_VECTOR	NVARCHAR	YES		
CVEDETAILS_SCORE	NVARCHAR	YES		
CVEDETAILS_CONFIDENTIALITY_IMPACT	NVARCHAR	YES		
CVEDETAILS_INTEGRITY_IMPACT	NVARCHAR	YES		
CVEDETAILS_AVAILABILITY_IMPACT	NVARCHAR	YES		
CVEDETAILS_ACCESS_COMPLEXITY	NVARCHAR	YES		
CVEDETAILS_AUTHENTICATION	NVARCHAR	YES		
CVEDETAILS_GAINED_ACCESS	NVARCHAR	YES		
CVEDETAILS_CWE_ID	NVARCHAR	YES		
SYNK_NAME	NVARCHAR	YES		
SYNK_AFFECTED_SOFTWARE	NVARCHAR	YES		
SYNK_AFFECTED_SOFTWARE_VERSIONS	NVARCHAR	YES		
SYNK_PUBLISHED_DATE	DATETIME	YES		

FIELD NAME	FIELD TYPE	NULL	INFO	NOTES
SYNK_CWE_ID	NVARCHAR	YES		
SYNK_HOW_TO_FIX	NVARCHAR	YES		
SYNK_EXPLOIT_MATURITY	NVARCHAR	YES		
SYNK_SCORE	NVARCHAR	YES		
SYNK_ATTACK_COMPLEXITY	NVARCHAR	YES		
SYNK_ATTACK_VECTOR	NVARCHAR	YES		
SYNK_PRIVILEGES_REQUIRED	NVARCHAR	YES		
SYNK_USER_INTERACTION	NVARCHAR	YES		
SYNK_EXPLOIT_MATURITY	NVARCHAR	YES		
SYNK_SCOPE	NVARCHAR	YES		
SYNK_CONFIDENTIALITY_IMPACT	NVARCHAR	YES		
SYNK_INTEGRITY_IMPACT	NVARCHAR	YES		
SYNK_AVAILABILITY_IMPACT	NVARCHAR	YES		
SYNK_NVD_SCORE	NVARCHAR	YES		
SYNK_NVD_ATTACK_COMPLEXITY	NVARCHAR	YES		
SYNK_NVD_ATTACK_VECTOR	NVARCHAR	YES		
SYNK_NVD_PRIVILEGES_REQUIRED	NVARCHAR	YES		
SYNK_NVD_USER_INTERACTION	NVARCHAR	YES		
SYNK_NVD_EXPLOIT_MATURITY	NVARCHAR	YES		
SYNK_NVD_SCOPE	NVARCHAR	YES		
SYNK_NVD_CONFIDENTIALITY_IMPACT	NVARCHAR	YES		
SYNK_NVD_INTEGRITY_IMPACT	NVARCHAR	YES		
SYNK_NVD_AVAILABILITY_IMPACT	NVARCHAR	YES		

FIELD NAME	FIELD TYPE	NULL	INFO	NOTES
SYNK_VULNERABILITY_OVERVIEW	NVARCHAR	YES		
SYNK_PROOF_OF_CONCEPT	NVARCHAR	YES		
SYNK_DETAILS	NVARCHAR	YES		
JIRA_TYPE	NVARCHAR	YES		
JIRA_PRIORITY	NVARCHAR	YES		
JIRA_VERSION INTRODUCED	NVARCHAR	YES		
JIRA_SYMPTOM_SEVERITY	NVARCHAR	YES		
JIRA_STATUS	NVARCHAR	YES		
JIRA_RESOLUTION	NVARCHAR	YES		
JIRA_ASSIGNEE	NVARCHAR	YES		
JIRA_REPORTER	NVARCHAR	YES		
JIRA_AFFECTED_CUSTOMERS	INT	YES		
JIRA_WATCHERS	INT	YES		
JIRA_DATE_CREATED	DATETIME	YES		
JIRA_DATE_UPDATED	DATETIME	YES		
JIRA_DATE_RESOLVED	DATETIME	YES		
CVE	NVARCHAR	NO	PRIMARY KEY	
FIXED_COMMIT_HASH	NVARCHAR	YES		
LAST_UPDATED	DATETIME	YES		

Table: NVD\_HYPERLINKS

This table contains the resource links found on NVD.

FIELD NAME	FIELD TYPE	NULL	INFO	NOTES
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ID	INT	NO	PRIMARY KEY, AUTO INCREMENT	
VULNERABILITY_ID	INT	NO	FOREIGN KEY REFERENCES VULNERABILITIES (NVD_HYPERLINK_ID)	
LINK	NVARCHAR	YES		

**Table: NVD\_TAGS**

This table contains the tags assigned to each resource link on NVD links.

FIELD NAME	FIELD TYPE	NULL	INFO	NOTES
ID	INT	NO	PRIMARY KEY, AUTO INCREMENT	
VULNERABILITY_ID	INT	NO		
HYPERLINK_ID	INT	NO	FOREIGN KEY REFERENCES NVD_HYPERLINKS (TAG_ID)	
TAG_DESCRIPTION	NVARCHAR	YES		

**Table: NVD\_WEAKNESS\_ENUMERATION**

This table contains the info about CWE assessment on NVD.

FIELD NAME	FIELD TYPE	NULL	INFO	NOTES
ID	INT	NO	PRIMARY KEY, AUTO INCREMENT	
VULNERABILITY_ID	INT	NO	FOREIGN KEY REFERENCES VULNERABILITIES	

			(NVD_WEAKNESS_ENUMERATION_ID)	
CWE_ID	NVARCHAR	YES		
CWE_NAME	NVARCHAR	YES		
SOURCE	NVARCHAR	YES		

## Table: CVEDETAILS\_AFFECTED\_PRODUCTS

This table contains info about the software products affected by the CVE (from CVEDetails).

FIELD NAME	FIELD TYPE	NULL	INFO	NOTES
ID	INT	NO	PRIMARY KEY, AUTO INCREMENT	
VULNERABILITY_ID	INT	NO	FOREIGN KEY REFERENCES VULNERABILITIES (CVEDETAILS_AFFECTED_PRODUCTS_ID)	
PRODUCT_TYPE	NVARCHAR	YES		
VENDOR	NVARCHAR	YES		
VERSION	NVARCHAR	YES		
UPDATE	NVARCHAR	YES		
EDITION	NVARCHAR	YES		
LANGUAGE	NVARCHAR	YES		

## Table: CVEDETAILS\_AFFECTED\_VERSIONS\_BY\_PRODUCT

This table contains the software versions affected by the CVE for each product (from CVEDetails).

FIELD NAME	FIELD TYPE	NULL	INFO	NOTES
ID	INT	NO	PRIMARY KEY, AUTO INCREMENT	
VULNERABILITY_ID	INT	NO	FOREIGN KEY REFERENCES VULNERABILITIES (CVEDETAILS_AFFECTED_VERSIONS_ID)	
VENDOR	NVARCHAR	YES		
PRODUCT	NVARCHAR	YES		
VULNERABLE_VERSIONS	NVARCHAR	YES		

Table: CVEDETAILS\_HYPERLINKS

This table contains the resource links found on CVEDetails.

FIELD NAME	FIELD TYPE	NULL	INFO	NOTES
ID	INT	NO	PRIMARY KEY, AUTO INCREMENT	
VULNERABILITY_ID	INT	NO	FOREIGN KEY REFERENCES VULNERABILITIES (CVEDETAILS_HYPERLINKS_ID)	
LINK	NVARCHAR	YES		

Table: SYNK\_HYPERLINKS

This table contains the resource links found on SYNK.

FIELD NAME	FIELD TYPE	NULL	INFO	NOTES
ID	INT	NO	PRIMARY KEY, AUTO INCREMENT	

VULNERABILITY_ID	INT	NO	FOREIGN KEY REFERENCES VULNERABILITIES (SYNK_HYPERLINKS_ID)	
LINK	NVARCHAR	YES		

Table: JIRA\_AFFECTED\_VERSIONS

This table contains the software versions affected by the CVE (from JIRA ticket).

FIELD NAME	FIELD TYPE	NULL	INFO	NOTES
ID	INT	NO	PRIMARY KEY, AUTO INCREMENT	
VULNERABILITY_ID	INT	NO	FOREIGN KEY REFERENCES VULNERABILITIES (JIRA_AFFECTED_VERSIONS_ID)	
VERSION	NVARCHAR	YES		

Table: JIRA\_FIX\_VERSIONS

This table contains the fixed software versions (from JIRA ticket).

FIELD NAME	FIELD TYPE	NULL	INFO	NOTES
ID	INT	NO	PRIMARY KEY, AUTO INCREMENT	
VULNERABILITY_ID	INT	NO	FOREIGN KEY REFERENCES VULNERABILITIES (JIRA_FIX_VERSIONS_ID)	
VERSION	NVARCHAR	YES		

Table: JIRA\_COMPONENTS



This table contains the software components affected by the CVE (from JIRA ticket).

FIELD NAME	FIELD TYPE	NULL	INFO	NOTES
ID	INT	NO	PRIMARY KEY, AUTO INCREMENT	
VULNERABILITY_ID	INT	NO	FOREIGN KEY REFERENCES VULNERABILITIES (JIRA_COMPONENTS_ID)	
COMPONENT	NVARCHAR	YES		

Table: JIRA\_LABELS

This table contains the labels assigned to each CVE (from JIRA ticket).

FIELD NAME	FIELD TYPE	NULL	INFO	NOTES
ID	INT	NO	PRIMARY KEY, AUTO INCREMENT	
VULNERABILITY_ID	INT	NO	FOREIGN KEY REFERENCES VULNERABILITIES (JIRA_LABELS_ID)	
LABEL	NVARCHAR	YES		

Table: JIRA\_ATTACHMENTS

This table contains the attachments available for a given CVE (from JIRA ticket).

FIELD NAME	FIELD TYPE	NULL	INFO	NOTES
ID	INT	NO	PRIMARY KEY, AUTO INCREMENT	

VULNERABILITY_ID	INT	NO	FOREIGN KEY REFERENCES VULNERABILITIES (JIRA_ATTACHMENTS_ID)	
ATTACHMENT_LINK	NVARCHAR	YES		

Table: JIRA\_ISSUE\_LINKS

This table contains the hyperlinks for the CVE (from JIRA ticket).

FIELD NAME	FIELD TYPE	NULL	INFO	NOTES
ID	INT	NO	PRIMARY KEY, AUTO INCREMENT	
VULNERABILITY_ID	INT	NO	FOREIGN KEY REFERENCES VULNERABILITIES (JIRA_ISSUE_LINKS_ID)	
VERSION	NVARCHAR	YES		