# CVE Detail – CVE-2020-8203

Prototype pollution attack when using \_.zipObjectDeep in lodash before 4.17.20.

## Threat-Mapped Scoring

Score: 0.0

Priority: Unclassified

## EPSS

EPSS Score: N/A

Percentile: 0.86646

## CVSS Scoring

CVSS v3.1 Score: 7.4

Severity: HIGH

## Mapped CWE(s)

* CWE-1321: Improperly Controlled Modification of Object Prototype Attributes ('Prototype Pollution')
* CWE-770: Allocation of Resources Without Limits or Throttling

## CAPEC(s)

* CAPEC-1: Accessing Functionality Not Properly Constrained by ACLs
* CAPEC-125: Flooding
* CAPEC-130: Excessive Allocation
* CAPEC-147: XML Ping of the Death
* CAPEC-180: Exploiting Incorrectly Configured Access Control Security Levels
* CAPEC-197: Exponential Data Expansion
* CAPEC-229: Serialized Data Parameter Blowup
* CAPEC-230: Serialized Data with Nested Payloads
* CAPEC-231: Oversized Serialized Data Payloads
* CAPEC-469: HTTP DoS
* CAPEC-482: TCP Flood
* CAPEC-486: UDP Flood
* CAPEC-487: ICMP Flood
* CAPEC-488: HTTP Flood
* CAPEC-489: SSL Flood
* CAPEC-490: Amplification
* CAPEC-491: Quadratic Data Expansion
* CAPEC-493: SOAP Array Blowup
* CAPEC-494: TCP Fragmentation
* CAPEC-495: UDP Fragmentation
* CAPEC-496: ICMP Fragmentation
* CAPEC-528: XML Flood
* CAPEC-77: Manipulating User-Controlled Variables

## ATT&CK Techniques

* T1498.001: Direct Network Flood
* T1499.001: OS Exhaustion Flood
* T1499.003: Application Exhaustion Flood
* T1498.002: Reflection Amplification
* T1499.002: Service Exhaustion Flood
* T1574.010: Services File Permissions Weakness
* T1499: Endpoint Denial of Service

## Used By (Actors/Tools)

* BlackEnergy (malware)
* OnionDuke (malware)
* ZxShell (malware)
* Sandworm Team (intrusion-set)

## Affected Products

* cpe:2.3:a:lodash:lodash:\*:\*:\*:\*:\*:node.js:\*:\*
* cpe:2.3:a:oracle:banking\_corporate\_lending\_process\_management:14.2.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:banking\_corporate\_lending\_process\_management:14.3.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:banking\_corporate\_lending\_process\_management:14.5.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:banking\_credit\_facilities\_process\_management:14.2.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:banking\_credit\_facilities\_process\_management:14.3.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:banking\_credit\_facilities\_process\_management:14.5.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:banking\_extensibility\_workbench:14.2.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:banking\_extensibility\_workbench:14.3.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:banking\_extensibility\_workbench:14.5.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:banking\_liquidity\_management:14.2.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:banking\_liquidity\_management:14.3.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:banking\_liquidity\_management:14.5.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:banking\_supply\_chain\_finance:14.2.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:banking\_supply\_chain\_finance:14.3.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:banking\_supply\_chain\_finance:14.5.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:banking\_trade\_finance\_process\_management:14.2.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:banking\_trade\_finance\_process\_management:14.3.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:banking\_trade\_finance\_process\_management:14.5.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:banking\_virtual\_account\_management:14.2.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:banking\_virtual\_account\_management:14.3.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:banking\_virtual\_account\_management:14.5.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:blockchain\_platform:\*:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:communications\_billing\_and\_revenue\_management:7.5.0.23.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:communications\_billing\_and\_revenue\_management:12.0.0.3.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:communications\_cloud\_native\_core\_policy:1.11.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:communications\_session\_border\_controller:8.4:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:communications\_session\_border\_controller:9.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:communications\_session\_border\_controller:cz8.4:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:communications\_session\_router:cz8.4:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:communications\_subscriber-aware\_load\_balancer:cz8.3:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:communications\_subscriber-aware\_load\_balancer:cz8.4:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:enterprise\_communications\_broker:3.2.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:enterprise\_communications\_broker:3.3.0:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:enterprise\_communications\_broker:pcz3.3:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:jd\_edwards\_enterpriseone\_tools:\*:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:peoplesoft\_enterprise\_peopletools:8.58:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:peoplesoft\_enterprise\_peopletools:8.59:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:primavera\_gateway:\*:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:primavera\_gateway:\*:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:primavera\_gateway:\*:\*:\*:\*:\*:\*:\*:\*
* cpe:2.3:a:oracle:primavera\_gateway:\*:\*:\*:\*:\*:\*:\*:\*