

ABSTRACT

METHOD AND SYSTEM FOR DETECTING VULNERABILITIES OF NODE.JS COMPONENTS

The present invention provides a method and system for detecting vulnerabilities of NODE.JS components. The method includes the following steps: collecting first basic vulnerability information from a NODE.JS vulnerability database; parsing a package.json file to obtain key information of a NODE.JS component; and extracting first target vulnerability information from the first basic vulnerability information according to the key information of the NODE.JS component. With the method for detecting vulnerabilities of NODE.JS components provided by the present invention, first basic vulnerability information can be collected from a NODE.JS vulnerability database, and possible vulnerability information of a NODE.JS component may be quickly obtained. A package.json file is a file in the NODE.JS component. When parsing the package.json file, the key information of the to-be-detected NODE.JS component can be obtained, thereby contributing to data call and arrangement. Thus, as only a small amount of key information needs to be detected, a large amount of vulnerability information will be obtained from the to-be-detected NODE.JS component. First target vulnerability information is hereby generated.

Figure 1