

# Vulnerable and Outdated Components

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# Overview



## **Vulnerable and Outdated Components**

- What is a component?
- Common Vulnerability and Exposure Databases
- How do we identify vulnerable components?



# Components In .NET

## Types of Components Used by C#

- NuGet Packages
  - Libraries & Functionality
- .NET 6
  - Framework components
  - Language features
  - Architecture
  - Performance
- External Packages
  - Front-end
  - JavaScript
  - Pre / Post Processors

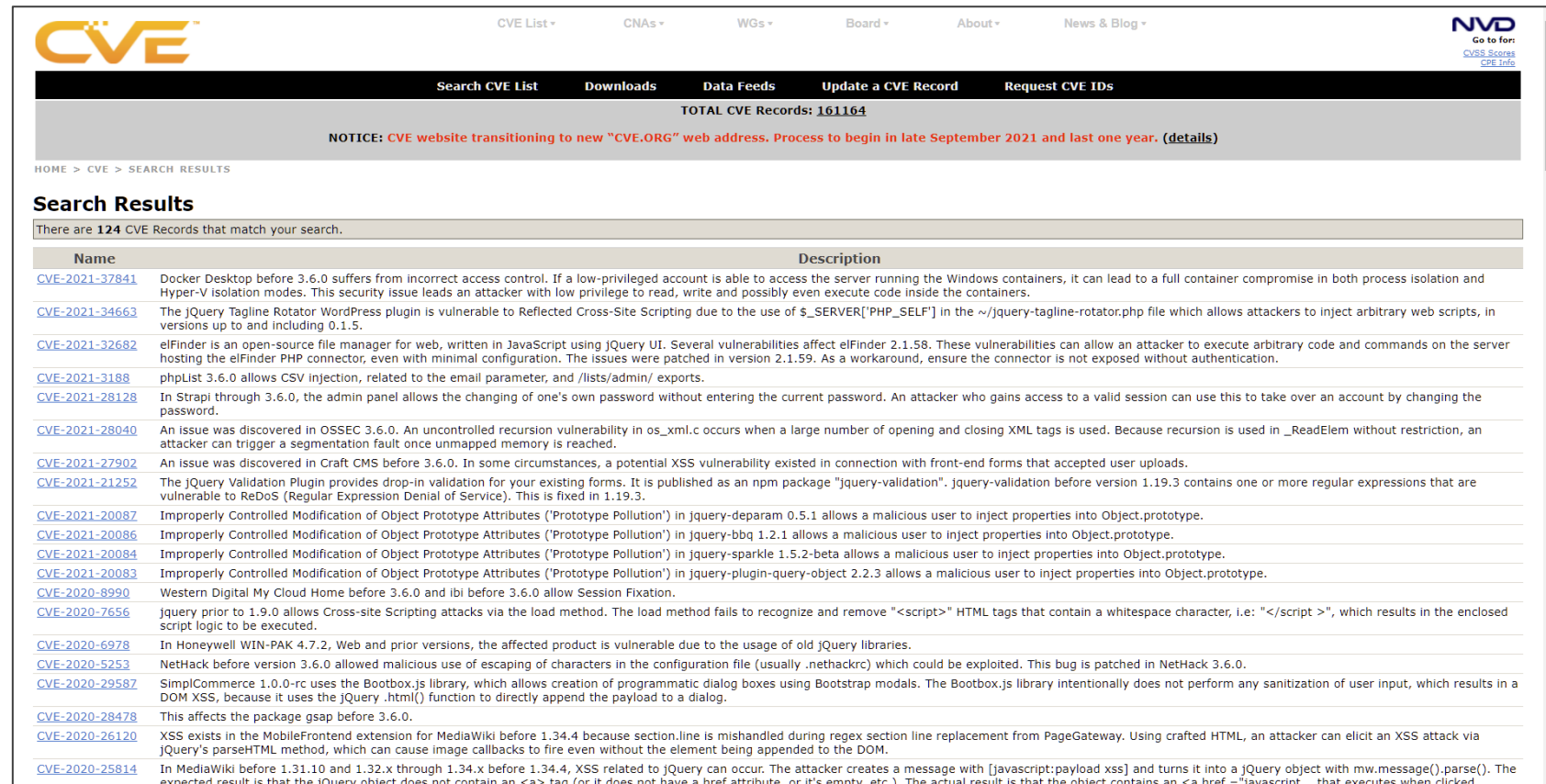


# Component Maintenance

- Keeping components up-to-date is a chore
- Rely on NuGet Manager
- Utilize 3<sup>rd</sup> party update utilities, if available
- Create a document with versions of important components
- Use CVE databases to check for vulnerabilities

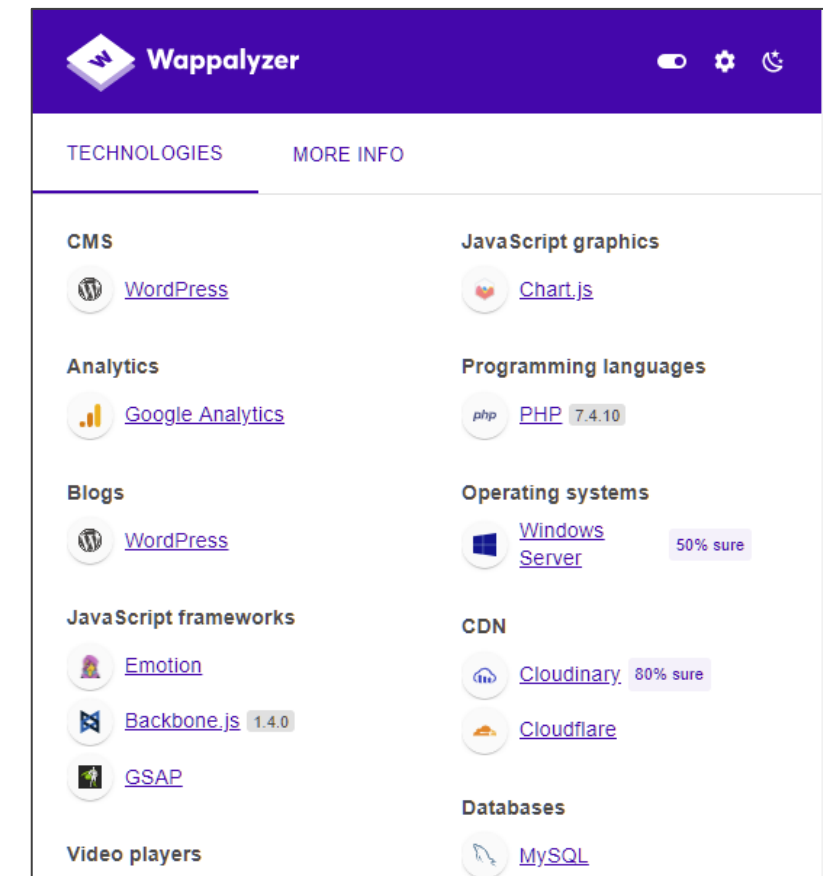


# Checking Components



## CVE Database

Review your components against  
the Common Vulnerability and  
Exposure database



## Wappalyzer

Free Chrome extension that can  
assist in identifying the  
components and versions used



# Demo



## Component Management

- NuGet Package Updates
- Wappalyzer Demo
- CVE Examples



# Summary



## Vulnerable and Outdated Components

- Looked at various components in .NET
- Looked at methods to identify versions of components in place
- Demonstrated a CVE database
- Identified means for keeping components up-to-date



Up Next:

Identification and Authentication Failures

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