

# Javascript for Pentesters



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# XHR and JSON Parsing

# What is JSON?

- JavaScript Object Notation
- text based data exchange
- human readable
- hierarchical data
- AJAX applications – alternate to XML

[http://en.wikipedia.org/wiki/JSON#Using\\_JSON\\_in\\_JavaScript](http://en.wikipedia.org/wiki/JSON#Using_JSON_in_JavaScript)

# JSON Example

```
{
  "vuln": 3,
  "num1": {
    "version": "1.41",
    "description": "Buffer overflow",
    "software": "dempass"
  },
  "num2": {
    "version": "1",
    "description": "Integer overflow",
    "software": "checker"
  },
  "num3": {
    "version": "9",
    "description": "Stack overflow",
    "software": "highdownload"
  }
}
```

# Why JSON Parsing?

- XSS can be used to traverse the application
- Most modern web applications use API based access
- Response type is JSON in a large majority

# JSON in XHR

## JSON.parse()

▲ HIDE SIDEBAR

### SEE ALSO

Standard built-in objects

JSON

### ▼ Methods

`JSON.parse()`

`JSON.stringify()`

Inheritance:

Object

▸ Properties

▸ Methods

### IN THIS ARTICLE



## Summary

The `JSON.parse()` method parses a string as JSON, optionally transforming the value produced by parsing.

## Syntax

```
JSON.parse(text[, reviver])
```

## Parameters

**text**

The string to parse as JSON. See the [JSON](#) object for a description of JSON syntax.

[https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global\\_Objects/JSON/parse](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/JSON/parse)

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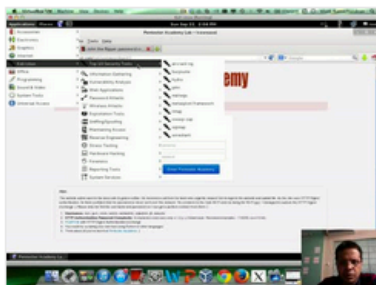
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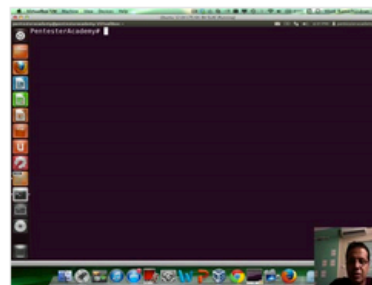
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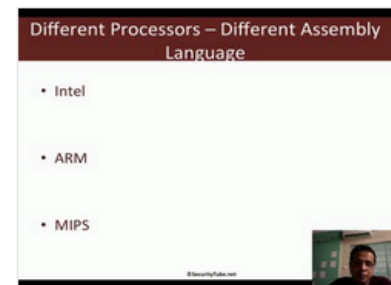
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