

## njs scripting language

njs is a subset of the JavaScript language that allows extending nginx functionality. njs is created in compliance with [ECMAScript 5.1](#) (strict mode) with some [ECMAScript 6](#) and later extensions. The compliance is still [evolving](#).

- [Download and install](#)
- [Changes](#)
- [Reference](#)
- [Examples](#)
- [Compatibility](#)
- [Command-line interface](#)
- [Tested OS and platforms](#)
  
- [ngx\\_http\\_js\\_module](#)
- [ngx\\_stream\\_js\\_module](#)
  
- [Writing njs code using TypeScript definition files](#)
- [Using node modules with njs](#)

### Use cases

- Complex access control and security checks in njs before a request reaches an upstream server
- Manipulating response headers
- Writing flexible asynchronous content handlers and filters

See [examples](#) and [blog posts](#) for more njs use cases.

### Basic HTTP Example

To use njs in nginx:

- [install](#) njs scripting language
- create an njs script file, for example, `http.js`. See [Reference](#) for the list of njs properties and methods.

```
function hello(r) {
    r.return(200, "Hello world!");
}

export default {hello};
```

- in the `nginx.conf` file, enable [ngx\\_http\\_js\\_module](#) module and specify the [js\\_import](#) directive with the `http.js` script file:

```
load_module modules/ngx_http_js_module.so;

events {}
```



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```
http {
    js_import http.js;

    server {
        listen 8000;

        location / {
            js_content http.hello;
        }
    }
}
```

There is also a standalone [command line](#) utility that can be used independently of nginx for njs development and debugging.

#### Tested OS and platforms

- FreeBSD / amd64;
- Linux / x86, amd64, arm64, ppc64el;
- Solaris 11 / amd64;
- macOS / x86\_64;

#### Presentation at nginx.conf 2018

##### NGINX JavaScript in Your Web Server Configuration

