Instituto Politécnico Nacional

"Unidad Profesional Interdisciplinaria en Ingeniería y

Tecnologías Avanzadas"

Aplicaciones Distribuidos

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Grupo: 4TM3

Integrantes:

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29/09/2025

```json
{
  "name": "aplicaciones-distribuidas",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "dependencies": {
    "accepts": "^2.0.0",
    "body-parser": "^2.2.0",
    "bytes": "^3.1.2",
    "call-bind-apply-helpers": "^1.0.2",
    "call-bound": "^1.0.4",
    "content-disposition": "^1.0.0",
    "content-type": "^1.0.5",
    "cookie": "^0.7.2",
    "cookie-signature": "^1.2.2",
    "debug": "^4.4.3",
    "depd": "^2.0.0",
    "dunder-proto": "^1.0.1",
    "ee-first": "^1.1.1",
    "encodeurl": "^2.0.0",
    "es-define-property": "^1.0.1",
    "es-errors": "^1.3.0",
    "es-object-atoms": "^1.1.1",
    "escape-html": "^1.0.3",
    "etag": "^1.8.1",
    "express": "^5.1.0",
    "finalhandler": "^2.1.0",
    "forwarded": "^0.2.0",
    "fresh": "^2.0.0",
    "function-bind": "^1.1.2",
    "get-intrinsic": "^1.3.0",
    "get-proto": "^1.0.1",
    "gopd": "^1.2.0",
    "has-symbols": "^1.1.0",
    "hasown": "^2.0.2",
    "http-errors": "^2.0.0",
    "iconv-lite": "^0.6.3",
    "inherits": "^2.0.4",
    "ipaddr.js": "^1.9.1",
    "is-promise": "^4.0.0",
    "math-intrinsics": "^1.1.0",
```

```
C:\Users\efren\Desktop\UPIITA\Aplicaciones Distribuidas>npm install express

up to date, audited 69 packages in 794ms

16 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities

C:\Users\efren\Desktop\UPIITA\Aplicaciones Distribuidas>node index.js
Server escuchando en puerto 3000
```

```json
{
    "success": true,
    "result": "Servidor ejecutándose. Endpoints: /mascaracteres, /menoscaracteres, /numcaracteres, /palindroma, /concat, /applysha256, /verifysha256 (POST JSON)."
}
```

POST · http://localhost:3000/concat · Send

Params · Authorization · Headers (8) · Body · Scripts · Settings · Cookies

○ none · ○ form-data · ○ x-www-form-urlencoded · ● raw · ○ binary · ○ GraphQL · JSON · Schema · Beautify

```json
{
  "a": "hola",
  "b": "mundo"
}
```

Body · Cookies · Headers (7) · Test Results (1/1) · 200 OK · 6 ms · 285 B · Save Response

{} JSON · ▷ Preview · Visualize

success	true
result	holamundo
error	null

POST ⌄ http://localhost:3000/menoscaracteres

Params Authorization Headers (8) Body ● Scripts ● Settings   Cookies

○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON ⌄   ⚙ Schema Beautify

1 {
2   "a": "perro",
3   "b": "gato"
4 }
5

Body Cookies Headers (7) Test Results (1/1) ⟲   200 OK • 4 ms • 280 B ⊕ 📄 Save Response ⋯

{} JSON ▷ Preview 🖼 Visualize ⌄   🔗

success   true
result   gato
error   null

POST ⌄ http://localhost:3000/numcaracteres

Params Authorization Headers (8) Body ● Scripts ● Settings   Cookies

○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON ⌄   ⚙ Schema Beautify

1 {
2   "s": "programacion"
3 }

Body Cookies Headers (7) Test Results (1/1) ⟲   200 OK • 5 ms • 276 B ⊕ 📄 Save Response ⋯

{} JSON ▷ Preview 🖼 Visualize ⌄   🔗

success   true
result   12
error   null

POST | http://localhost:3000/applysha256 | Send

Params Authorization Headers (8) Body ● Scripts ● Settings   Cookies

○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON ∨   ⌖ Schema Beautify

```
1  {
2    "s": "miSecreto123"
3  }
```

Body Cookies Headers (7) Test Results (1/1) ↺   200 OK • 5 ms • 378 B • ⊕ ⧉ Save Response ⋯

{} JSON ▷ Preview ⊠ Visualize ∨   ⌘

success	true
> result	{2}
error	null

POST | http://localhost:3000/verifysha256 | Send

Params Authorization Headers (8) Body ● Scripts ● Settings   Cookies

○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON ∨   ⌖ Schema Beautify

```
1  {
2    "hashed": "miSecreto123",
3    "s": "pegas_aqui_el_hash_generado"
4  }
```

Body Cookies Headers (7) Test Results (1/1) ↺   200 OK • 5 ms • 376 B • ⊕ ⧉ Save Response ⋯

{} JSON ▷ Preview ⊠ Visualize ∨   ⌘

success	true
result	false
error	null
> details	{1}