

Node-RED avanzado

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Node-RED avanzado

- Securizar Node-RED
- Puerto ejecución Node-RED
- Creación de APIs
- Securizar endpoints expuestos
- Variables contexto Node-RED
- Subflows



Node-RED: Securizar Node-RED

Descomentar propiedad adminAuth en el fichero settings.js

```
adminAuth: {  
  type: "credentials",  
  users: [  
    {  
      username: "admin",  
      password: "$2a$08$zZWtXTja0fB1pzD4sHcMy0CMYz2Z6dNbM6tL8sJogENOMcxwV9DN.",  
      permissions: "*"   
    },  
    {  
      username: "george",  
      password: "$2b$08$wuAqPiKJlVN27eF5qJp.RuQYuy6ZYONW7a/UWYxDtTwKFCdB8F19y",  
      permissions: "read"  
    }  
  ]  
}
```

node-red admin hash-pw

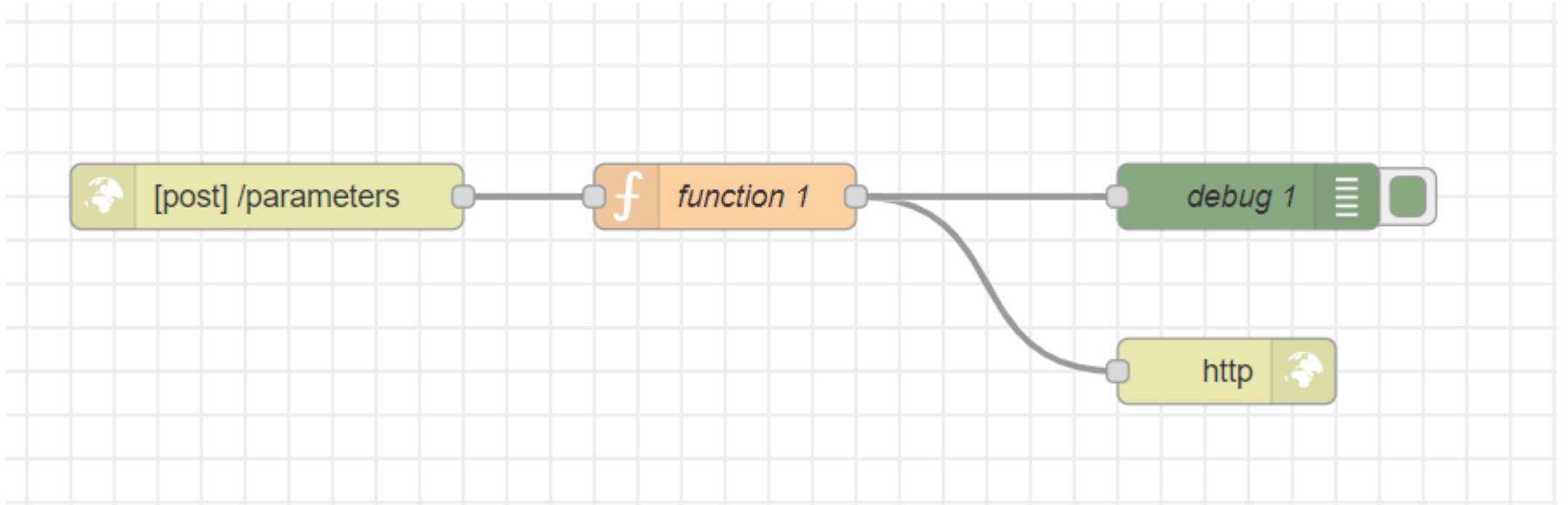
Node-RED: Puerto ejecución Node-RED

Default port: "1880"

```
/** the tcp port that the Node-RED web server is listening on */  
uiPort: process.env.PORT || 1880,
```

Node-RED: Creación APIs

Uso de http in y http response



Node-RED: Securizar endpoints

Descomentar propiedad httpNodeAuth del fichero settings.js

```
/** To password protect the node-defined HTTP endpoints (httpNodeRoot),  
 * including node-red-dashboard, or the static content (httpStatic), the  
 * following properties can be used.  
 * The `pass` field is a bcrypt hash of the password.  
 * See http://nodered.org/docs/security.html#generating-the-password-hash  
 */  
//httpNodeAuth: {user:"user",pass:"$2a$08$zZWtXTja0fB1pzD4sHCMYOCMYz2Z6dNbM6t18sJogENOMcxWV9DN."},  
//httpStaticAuth: {user:"user",pass:"$2a$08$zZWtXTja0fB1pzD4sHCMYOCMYz2Z6dNbM6t18sJogENOMcxWV9DN."},
```

node-red admin hash-pw

Node-RED: Securizar endpoints

POST

http://localhost:1880/recoverDarkSkyInformation

HEADERS

BODY

AUTHORIZATION 0

ACTIONS 0

CONFIG

CODE SNIPPETS

Select authorization

Basic

User name

user

Password

.....

Basic authorization allows to send a username and a password in a request header.

Node-RED: Variables contexto Node-RED

Hay tres tipos:

1. Node. Solo visibles para el nodo que establece el valor
2. Flow. Visible para todos los nodos en el mismo flujo (o tab del editor)
3. Global. Visible para todos los nodos

Node-RED: Subflujos

Ejemplos