

Listar procesos de PowerShell con Node-PowerShell (Node.JS) y mostrarlos en una web con Express

Es necesario instalar:

- **Node-powershell**

```
npm i -S node-powershell
```

- **Express**

```
npm install --save express
```

Código para listar procesos de PowerShell con Node-PowerShell (Node.JS) y mostrarlos en una web con Express (fichero.js)

```
const shell = require('node-powershell');  
const express = require('express')  
const app = express()
```

```
let ps = new shell({  
  executionPolicy: 'Bypass',  
  noProfile: true  
});
```

```
ps.addCommand('Get-Process | ConvertTo-Html -Property Name,  
Path, Company')  
ps.invoke()  
.then(output => {  
  console.log(output);  
  app.get('/', function (req, res) {  
    res.send(output);  
  })  
})  
.catch(err => {
```

```

    console.log(err);
    ps.dispose();
  });

app.listen(3000, function () {
  console.log('Example app listening on port 3000!')
})

```

El código se ejecuta escribiendo en PowerShell o en CMD el siguiente comando

node fichero.js

Resultados:

```

index.js - nodejs - Visual Studio Code - Insiders
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1  const shell = require('node-powershell');
2  const express = require('express');
3  const app = express();
4
5  let ps = new shell({
6    executionPolicy: 'Bypass',
7    noProfile: true
8  });
9
10 ps.addCommand('Get-Process | ConvertTo-Html -Property Name, Path, Company')
11 ps.invoke()
12 .then(output => {
13   console.log(output);
14   app.get('/', function (req, res) {
15     res.send(output);
16   })
17 })
18 .catch(err => {
19   console.log(err);
20   ps.dispose();
21 });
22
23 app.listen(3000, function () {
24   console.log('Example app listening on port 3000!')
25 })

```

```

C:\Program Files\nodejs\node.exe index.js
NPS> Process 12416 started

NPS> Command invoke started
NPS> Get-Process | ConvertTo-Html -Property Name, Path, Company
Example app listening on port 3000!
NPS> Command invoke finished

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>HTML TABLE</title>
</head><body>
<table>
<colgroup><col/><col/><col/></colgroup>
<tr><th>Name</th><th>Path</th><th>Company</th></tr>
<tr><td>ApplicationFrameHost</td><td>C:\WINDOWS\system32\Appl
icationFrameHost.exe</td><td>Microsoft Corporation</td></tr>
<tr><td>AsusTPCenter</td><td>C:\Program Files (x86)\ASUS\ASUS
Smart Gesture\AsTPCenter\x64\AsusTPCenter.exe</td><td>AsusTek
</td></tr>
<tr><td>AsusTPHelper</td><td></td><td></td></tr>
<tr><td>AsusTPLoader</td><td>C:\Program Files (x86)\ASUS\ASUS
Smart Gesture\AsTPCenter\x64\AsusTPLoader.exe</td><td>AsusTek
</td></tr>
<tr><td>audiodg</td><td></td><td></td></tr>
<tr><td>chrome</td><td>C:\Program Files (x86)\Google\Chrome\Ap
plication\chrome.exe</td><td>Google Inc.</td></tr>
<tr><td>chrome</td><td>C:\Program Files (x86)\Google\Chrome\Ap
plication\chrome.exe</td><td>Google Inc.</td></tr>
<tr><td>chrome</td><td>C:\Program Files (x86)\Google\Chrome\Ap
plication\chrome.exe</td><td>Google Inc.</td></tr>

```

Lin. 25, Col. 3 Espacios: 2 UTF-8 LF JavaScript

HTML TABLE		
localhost:3000		
Name	Path	Company
ApplicationFrameHost	C:\WINDOWS\system32\ApplicationFrameHost.exe	Microsoft Corporation
AsusTPCenter	C:\Program Files (x86)\ASUS\ASUS Smart Gesture\AsTPCenter\64\AsusTPCenter.exe	AsusTek
AsusTPHelper		
AsusTPLoader	C:\Program Files (x86)\ASUS\ASUS Smart Gesture\AsTPCenter\64\AsusTPLoader.exe	AsusTek
audio.dg		
backgroundTaskHost	C:\WINDOWS\system32\backgroundTaskHost.exe	Microsoft Corporation
chrome	C:\Program Files (x86)\Google\Chrome\Application\chrome.exe	Google Inc.
chrome	C:\Program Files (x86)\Google\Chrome\Application\chrome.exe	Google Inc.
chrome	C:\Program Files (x86)\Google\Chrome\Application\chrome.exe	Google Inc.
chrome	C:\Program Files (x86)\Google\Chrome\Application\chrome.exe	Google Inc.
chrome	C:\Program Files (x86)\Google\Chrome\Application\chrome.exe	Google Inc.
chrome	C:\Program Files (x86)\Google\Chrome\Application\chrome.exe	Google Inc.
chrome	C:\Program Files (x86)\Google\Chrome\Application\chrome.exe	Google Inc.
chrome	C:\Program Files (x86)\Google\Chrome\Application\chrome.exe	Google Inc.
chrome	C:\Program Files (x86)\Google\Chrome\Application\chrome.exe	Google Inc.
chrome	C:\Program Files (x86)\Google\Chrome\Application\chrome.exe	Google Inc.
chrome	C:\Program Files (x86)\Google\Chrome\Application\chrome.exe	Google Inc.
chrome	C:\Program Files (x86)\Google\Chrome\Application\chrome.exe	Google Inc.
chrome	C:\Program Files (x86)\Google\Chrome\Application\chrome.exe	Google Inc.
chrome	C:\Program Files (x86)\Google\Chrome\Application\chrome.exe	Google Inc.
chrome	C:\Program Files (x86)\Google\Chrome\Application\chrome.exe	Google Inc.
Code - Insiders	C:\Program Files\Microsoft VS Code Insiders\Code - Insiders.exe	Microsoft Corporation
Code - Insiders	C:\Program Files\Microsoft VS Code Insiders\Code - Insiders.exe	Microsoft Corporation
Code - Insiders	C:\Program Files\Microsoft VS Code Insiders\Code - Insiders.exe	Microsoft Corporation
Code - Insiders	C:\Program Files\Microsoft VS Code Insiders\Code - Insiders.exe	Microsoft Corporation