

PHP: Graf drzewa generowany z artykułów na wiki

<https://wiki.ostrowski.net.pl/mindmap.php>

[mindmap.php](#)

```
<?php
header("Content-Type: text/html");

$pagesDir = __DIR__ . '/data/pages';
$excludedNamespaces = ['ns1','ns2'];
// here you should put namespaces that should be excluded from being
graphed by this script

function buildTree($dir, $namespace = '') {
    global $excludedNamespaces;
    $result = [];

    foreach (scandir($dir) as $file) {
        if ($file === '.' || $file === '..') continue;

        $path = $dir . '/' . $file;
        $fileWithoutExt = pathinfo($file, PATHINFO_FILENAME);
        $dokuwikiID = $namespace . $fileWithoutExt;

        if (is_dir($path)) {
            if (in_array($file, $excludedNamespaces)) continue;

            $children = buildTree($path, $namespace . $file . ':');
            if (!empty($children)) {
                $result[] = [
                    'name' => $file,
                    'id' => $namespace . $file,
                    'children' => $children
                ];
            }
        } elseif (pathinfo($file, PATHINFO_EXTENSION) === 'txt') {
            $result[] = [
                'name' => str_replace('_', ' ', $fileWithoutExt),
                'id' => $dokuwikiID
            ];
        }
    }

    return $result;
}
```

```
$treeData = [  
    'name' => 'DokuWiki',  
    'id' => '',  
    'children' => buildTree($pagesDir)  
];  
?>  
<!DOCTYPE html>  
<html lang="en">  
<head>  
    <meta charset="UTF-8">  
    <title>DokuWiki Tree Map</title>  
    <script src="https://d3js.org/d3.v7.min.js"></script>  
    <style>  
        html, body {  
            margin: 0;  
            padding: 0;  
            overflow: hidden;  
            height: 100%;  
        }  
        svg {  
            width: 100vw;  
            height: 100vh;  
            cursor: grab;  
            background-color: #f9f9f9;  
        }  
        .node circle {  
            fill: #6baed6;  
        }  
        .node text {  
            font: 32px sans-serif;  
        }  
        .link {  
            fill: none;  
            stroke: #999;  
            stroke-opacity: 0.6;  
            stroke-width: 1.5px;  
        }  
        a {  
            fill: black;  
            text-decoration: none;  
        }  
    </style>  
</head>  
<body>  
Wanna read how it is made click here: <a  
href="">wiki.ostrowski.net.pl</a>  
<svg></svg>  
<script>  
    const treeData = <?php echo json_encode($treeData); ?>;  
  
    const width = 4000;
```

```
const height = 3000;

const svg = d3.select("svg");
const g = svg.append("g").attr("transform", "translate(50,50)");

svg.call(d3.zoom()
  .scaleExtent([0.1, 2])
  .on("zoom", (event) => {
    g.attr("transform", event.transform);
  }));

const root = d3.hierarchy(treeData);
const treeLayout = d3.tree().nodeSize([30, 600]);
treeLayout(root);

// Links
g.selectAll(".link")
  .data(root.links())
  .enter().append("path")
  .attr("class", "link")
  .attr("d", d3.linkHorizontal()
    .x(d => d.y)
    .y(d => d.x));

// Nodes
const node = g.selectAll(".node")
  .data(root.descendants())
  .enter().append("g")
  .attr("class", "node")
  .attr("transform", d => `translate(${d.y},${d.x})`);

node.append("circle").attr("r", 6);

// Add clickable links to DokuWiki REPLACE THE URL
node.append("a")
  .attr("xlink:href", d => d.data.id ? `
```