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<?php
/*****
* file: index.php
* date: 11.03.2017
* author: david jufer
*****/

// error
if(!isset($_GET['url'])) exit('READY');

// var
$fileDir = '/var/www/html/screenserver';
$fileJobUrl = $fileDir.'/jobUrl.txt';
$fileJobKey = $fileDir.'/jobKey.txt';
$key = substr(sha1(rand()),0,12);
// check that key is unique
while(file_exists($fileDir.'/_'.$key.'.png') || file_exists($fileDir.'/__$'.$key.'.png')) $key =
substr(sha1(rand()),0,12);
$fileImage = $fileDir.'/_'.$key.'.png';

// write url into joblist, wait on empty joblist
while(file_get_contents($fileJobUrl)!='') sleep(1);
// we got the job file
file_put_contents($fileJobKey,$key,LOCK_EX);
file_put_contents($fileJobUrl,$_GET['url'],LOCK_EX);
// wait for url to load in firefox
sleep(27);
// check file ready
while(!file_exists($fileImage)) sleep(1);
sleep(1);
// output without resizing
if($_GET['width']==''){
header('Content-Type: image/png');
readfile($fileImage);
exit;
}

// increase memory limit ini_get("memory_limit")
ini_set('memory_limit','350M');
// resize image
$dstWidth = $_GET['width'];
$dstHeight = $_GET['height'];
if($dstHeight==''){
$dstHeight = (int)floor($dstWidth*3/4);
}else if($dstWidth==''){
$dstWidth = (int)floor($dstHeight*4/3);
}
$srcWidth = 1280;
$srcHeight = (int)floor($srcWidth*$dstHeight/$dstWidth);
// read image
$srcImg = imagecreatefrompng($fileImage);
// create new image
$dstImg = imagecreatetruecolor($dstWidth, $dstHeight);
// resize
imagecopyresampled($dstImg,$srcImg,0,0,(1920-15-$srcWidth)/2,71,$dstWidth,$dstHeight,$srcWidth,$srcHeight);
// output
header('Content-Type: image/png');
imagejpeg($dstImg,NULL,95);
// cleanup
imagedestroy($srcImg);
imagedestroy($dstImg);
exit;
```