

Cara Backup File & Database di Codeigniter

Halo sobat kali ini saya akan share tutorial cara membackup data file & database di website yang menggunakan framework codeigniter.

Caranya sangat mudah berikut adalah contoh daftar file dan folder yang telah saya praktekan di website saya ini:

- www
 - application
 - controllers
 - Backup.php
 - libraries
 - recurseZip_lib.php
 - backup
 - db
 - backup-on-2016-01-04.zip
 - files
 - [www.zip](#)

1. Buat folder dengan nama backup lalu buat lagi folder db & files di dalam folder backup. `www/backup/db` tempat untuk menyimpan hasil backup database, sedangkan folder `www/backup/files` untuk menyimpan hasil backup file dalam bentuk zip.

2. Buat file Backup.php didalam folder controllers `www/application/controllers/Backup.php`. Berikut kodenya:

```
<?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');

class Backup extends CI_Controller
{
    // backup files in directory
    function files()
    {
        $opt = array(
            'src' => '../www', // dir name to backup
            'dst' => 'backup/files' // dir name backup output destination
        );

        // Codeigniter v3x
        $this->load->library('recurseZip_lib', $opt);
```

```

        $download = $this->recursezip_lib->compress();

        /* Codeigniter v2x
        $zip      = $this->load->library('recurseZip_lib', $opt);
        $download = $zip->compress();
        */

        redirect(base_url($download));
    }

    // backup database.sql
    public function db()
    {
        $this->load->dbutil();

        $prefs = array(
            'format' => 'zip',
            'filename' => 'my_db_backup.sql'
        );

        $backup =& $this->dbutil->backup($prefs);

        $db_name = 'backup-on-' . date("Y-m-d-H-i-s") . '.zip'; // file name
        $save    = 'backup/db/' . $db_name; // dir name backup output destination

        $this->load->helper('file');
        write_file($save, $backup);

        $this->load->helper('download');
        force_download($db_name, $backup);
    }
}

```

3. Buat sebuah library dengan nama recurseZip_lib.php didalam folder libraries `www/application/libraries/recurseZip_lib.php` untuk mengkonversi file menjadi zip. Berikut kodenya:

```

<?php if (!defined('BASEPATH')) exit('No direct script access allowed');

/*
Copyright (c) 2011 http://ramui.com. All right reserved.
I have modified it for use in CodeIgniter.
*/

class recurseZip_lib
{
    function __construct($opt)
    {
        $this->src = $opt['src'];
        $this->dst = $opt['dst'];
    }
}

```

```

private function recurse_zip($src, &$amp;zip, $path)
{
    $dir = opendir($src);
    while (false !== ($file = readdir($dir))) {
        if (($file != '.') && ($file != '..')) {
            if (is_dir($src . '/' . $file)) {
                $this->recurse_zip($src . '/' . $file, $zip, $path);
            } else {
                $zip->addFile($src . '/' . $file, substr($src . '/' . $file, $path));
            }
        }
    }
    closedir($dir);
}

private function run($src, $dst = '')
{
    if (substr($src, -1) === '/') {
        $src = substr($src, 0, -1);
    }
    if (substr($dst, -1) === '/') {
        $dst = substr($dst, 0, -1);
    }
    $path = strlen(dirname($src) . '/');
    $filename = substr($src, strrpos($src, '/') + 1) . '.zip';
    $dst = empty($dst) ? $filename : $dst . '/' . $filename;
    @unlink($dst);
    $zip = new ZipArchive;
    $res = $zip->open($dst, ZipArchive::CREATE);
    if ($res !== TRUE) {
        echo 'Error: Unable to create zip file';
        exit;
    }
    if (is_file($src)) {
        $zip->addFile($src, substr($src, $path));
    } else {
        if (!is_dir($src)) {
            $zip->close();
            @unlink($dst);
            echo 'Error: File not found';
            exit;
        }
        $this->recurse_zip($src, $zip, $path);
    }
    $zip->close();
    return $dst;
}

public function compress()
{
    return $this->run($this->src, $this->dst);
}
}

```

Nah sekarang sudah selesai, untuk membackup database tinggal buka url <http://localhost/www/index.php/backup/db>

dan untuk membackup file buka url <http://localhost/www/index.php/backup/files>

Sekian semoga bermanfaat.