

JTL Shop4 Update auf JTL Shop5

**Aufgabe:**

Erstellen eines Test JTL-Shop5, basierend auf der Kopie eines laufenden JTL-Shop4's

Vorbereitungen

- erstellen einer leeren Testdatenbank (im Backend des Hosters)
- erstellen eines leeren Testverzeichnisses (z.B. per FTP Programm)
- erstellen einer Testdomain mit Bezug auf das Testverzeichnis incl SSL (im Backend des Hosters)
- kopieren der Datenbank (copy_db.php) s.h. weiter unten
- kopieren des aktuellen Shops in ein Testverzeichnis (copy_web.php) s.h. weiter unten

im neuen Webverzeichnis

- htaccess - alte URL's ausdokumentieren bzw. prüfen und ändern
- includes/config.JTL-Shop.ini.php - anpassen DB und URLs
- jetzt sollte der Shop4 als Kopie funktionieren
- Shop testen - wenn OK dann weiter

Vorbereiten für Update auf Shop5

- Backend Cache ausschalten
- Backend Plugins löschen / deaktivieren
- Wartungsmodus aktivieren
- Evtl. Datenbanken reparieren

Shop5 installieren/updaten

- aktuelle Version bei JTL herunter laden und wie von JTL vorgeschrieben die Dateien daraus entfernen
- PHP Version des Testshops auf ≥ 7.3 umstellen und testen (php_test.php) siehe weiter unten
- JTL Shop5 auf WEB kopieren (z.B. per FTP)
- JTL Shop5 entpacken (unpacker.php) s.h. weiter unten
- Cookies für die Domain löschen
- Im Backend (abgesicherter Modus) anmelden
- Datenbanken updaten
- Datenbanken umstellen UTF8
- Einstellungen prüfen
- Frontend testen
- Shop freigeben
- Testumgebung ggf. mit Passwort sichern

Programme

Datenbank kopieren

[copy_db.php](#)

```
<?php
/**
 * kopiert eine existierende Datenbank in eine neue - ACHTUNG !!! -
 * neue Datenbank wird falls vorhanden gelöscht !!!
 */

// Source
$DB_USER_SRC = "<user>";
$DB_PASS_SRC = "<password>";
$DB_NAME_SRC = "<dbname>";

// Destination
$DB_USER_DEST = "<user>";
$DB_PASS_DEST = "<password>";
$DB_NAME_DEST = "<dbname>";

// --- ab hier nichts mehr ändern ---

// erstellt eine neue, leere DB. Wenn Sie schon vorhanden ist, wird sie
// gelöscht.
exec("mysql -u".$DB_USER_DEST." --password='".$DB_PASS_DEST."' -e 'DROP
DATABASE IF EXISTS `".$DB_NAME_DEST."`; CREATE DATABASE
`".$DB_NAME_DEST."`; '");

// kopiert den Inhalt der vorhanden DB in die neue DB
exec("mysqldump -u".$DB_USER_SRC." -p'".$DB_PASS_SRC."'
'".$DB_NAME_SRC."' | mysql -u ".$DB_USER_DEST." --
password='".$DB_PASS_DEST."' ".$DB_NAME_DEST);
```

WEB kopieren

[copy_web.php](#)

```
<?php
/**
 * kopiert ein Web Verzeichnis in ein anderes (mit Unterverzeichnissen)
 * source und dest Verzeichnis sollten existieren
 */

$source = "<verz>";
```

```

$dest = "<verz>";

subdir_copy($source,$dest);

function subdir_copy( $source, $dest ) {

    echo "<h1>Copy</h1><br>";
    if (!is_dir($source)){
        echo "<b>Error:</b> ".$source." - Verzeichnis nicht gefunden";
        return false;
    }
    if (!is_dir($dest)){
        echo "<b>Error:</b> ".$dest." - Verzeichnis nicht gefunden";
        return false;
    }

    echo "From : ".$source."<br>";
    echo "To    : ".$dest."<br>";

    $shellBefehl = "cp -RvpT $source $dest >>log.txt";
    /**
     * cp Parameter
     * R rekursiv = mit Unterverzeichnissen
     * v verbose = vergleichen
     * p preserve = mode,ownership,timestamps - kopiert mit Rechten
     * T no-target-directory = keine Zielverzeichnis
     */

    exec($shellBefehl, $output, $return_var);
    var_dump($output, $return_var);
}

```

PHP Test

php_test.php

```

<?php
/**
 * Anzeige des aktuellen PHP Version mit allen Info's
 */
phpinfo();
?>

```

entpacken

[unzipper.php](#)

```

<?php
/**
 * The Unzipper extracts .zip or .rar archives and .gz files on
 webserver.
 * It's handy if you do not have shell access. E.g. if you want to
 upload a lot
 * of files (php framework or image collection) as an archive to save
 time.
 * As of version 0.1.0 it also supports creating archives.
 *
 * @author Andreas Tasch, at[tec], attec.at
 * @license GNU GPL v3
 * @package attec.toolbox
 * @version 0.1.0
 */
define('VERSION', '0.1.0');
$start = microtime(TRUE);
$GLOBALS['status'] = array();
$unzipper = new Unzipper;
if (isset($_POST['dounzip'])) {
    //check if an archive was selected for unzipping
    $archive = isset($_POST['zipfile']) ? strip_tags($_POST['zipfile']) :
    '';
    $destination = isset($_POST['extpath']) ?
    strip_tags($_POST['extpath']) : '';
    $unzipper->prepareExtraction($archive, $destination);
}
if (isset($_POST['dozip'])) {
    $zippath = !empty($_POST['zippath']) ? strip_tags($_POST['zippath'])
    : '.';
    // Resulting zipfile e.g. zipper--2016-07-23--11-55.zip
    $zipfile = 'zipper-' . date("Y-m-d--H-i") . '.zip';
    Zipper::zipDir($zippath, $zipfile);
}
$end = microtime(TRUE);
$time = $end - $start;
/**
 * Class Unzipper
 */
class Unzipper {
    public $localdir = '.';
    public $zipfiles = array();
    public function __construct() {
        //read directory and pick .zip and .gz files
        if ($dh = opendir($this->localdir)) {
            while (($file = readdir($dh)) !== FALSE) {
                if (pathinfo($file, PATHINFO_EXTENSION) === 'zip'
                    || pathinfo($file, PATHINFO_EXTENSION) === 'gz'
                    || pathinfo($file, PATHINFO_EXTENSION) === 'rar'

```

```

        ) {
            $this->zipfiles[] = $file;
        }
    }
    closedir($dh);
    if (!empty($this->zipfiles)) {
        $GLOBALS['status'] = array('info' => '.zip or .gz or .rar files
found, ready for extraction');
    }
    else {
        $GLOBALS['status'] = array('info' => 'No .zip or .gz or rar
files found. So only zipping functionality available.');
```

```

    }
}
/**
```

```

 * Prepare and check zipfile for extraction.
```

```

 *
```

```

 * @param $archive
```

```

 * @param $destination
```

```

 */
```

```

public function prepareExtraction($archive, $destination) {
```

```

    // Determine paths.
```

```

    if (empty($destination)) {
```

```

        $extpath = $this->localdir;
```

```

    }
```

```

    else {
```

```

        $extpath = $this->localdir . '/' . $destination;
```

```

        // todo move this to extraction function
```

```

        if (!is_dir($extpath)) {
```

```

            mkdir($extpath);
```

```

        }
```

```

    }
```

```

    //allow only local existing archives to extract
```

```

    if (in_array($archive, $this->zipfiles)) {
```

```

        self::extract($archive, $extpath);
```

```

    }
```

```

}
```

```

/**
```

```

 * Checks file extension and calls suitable extractor functions.
```

```

 *
```

```

 * @param $archive
```

```

 * @param $destination
```

```

 */
```

```

public static function extract($archive, $destination) {
```

```

    $ext = pathinfo($archive, PATHINFO_EXTENSION);
```

```

    switch ($ext) {
```

```

        case 'zip':
```

```

            self::extractZipArchive($archive, $destination);
```

```

            break;
```

```

        case 'gz':
```

```
        self::extractGzipFile($archive, $destination);
        break;
    case 'rar':
        self::extractRarArchive($archive, $destination);
        break;
    }
}
/**
 * Decompress/extract a zip archive using ZipArchive.
 *
 * @param $archive
 * @param $destination
 */
public static function extractZipArchive($archive, $destination) {
    // Check if webserver supports unzipping.
    if (!class_exists('ZipArchive')) {
        $GLOBALS['status'] = array('error' => 'Error: Your PHP version
does not support unzip functionality.');
```

return;

```
    }
    $zip = new ZipArchive;
    // Check if archive is readable.
    if ($zip->open($archive) === TRUE) {
        // Check if destination is writable
        if (is_writable($destination . '/')) {
            $zip->extractTo($destination);
            $zip->close();
            $GLOBALS['status'] = array('success' => 'Files unzipped
successfully');
```

};

```
        else {
            $GLOBALS['status'] = array('error' => 'Error: Directory not
writeable by webserver.');
```

};

```
        }
        else {
            $GLOBALS['status'] = array('error' => 'Error: Cannot read .zip
archive.');
```

};

```
    }
}
/**
 * Decompress a .gz File.
 *
 * @param $archive
 * @param $destination
 */
public static function extractGzipFile($archive, $destination) {
    // Check if zlib is enabled
    if (!function_exists('gzopen')) {
        $GLOBALS['status'] = array('error' => 'Error: Your PHP has no
zlib support enabled.');
```

```
        return;
    }
    $filename = pathinfo($archive, PATHINFO_FILENAME);
    $gzipped = gzopen($archive, "rb");
    $file = fopen($filename, "w");
    while ($string = gzread($gzipped, 4096)) {
        fwrite($file, $string, strlen($string));
    }
    gzclose($gzipped);
    fclose($file);
    // Check if file was extracted.
    if (file_exists($destination . '/' . $filename)) {
        $GLOBALS['status'] = array('success' => 'File unzipped
successfully.');
```

```
    }
    else {
        $GLOBALS['status'] = array('error' => 'Error unzipping file.');
```

```
    }
}
/**
 * Decompress/extract a Rar archive using RarArchive.
 *
 * @param $archive
 * @param $destination
 */
public static function extractRarArchive($archive, $destination) {
    // Check if webserver supports unzipping.
    if (!class_exists('RarArchive')) {
        $GLOBALS['status'] = array('error' => 'Error: Your PHP version
does not support .rar archive functionality. <a class="info"
href="http://php.net/manual/en/rar.installation.php"
target="_blank">How to install RarArchive</a>');
```

```
        return;
    }
    // Check if archive is readable.
    if ($rar = RarArchive::open($archive)) {
        // Check if destination is writable
        if (is_writable($destination . '/')) {
            $entries = $rar->getEntries();
            foreach ($entries as $entry) {
                $entry->extract($destination);
            }
            $rar->close();
            $GLOBALS['status'] = array('success' => 'Files extracted
successfully.');
```

```
        }
        else {
            $GLOBALS['status'] = array('error' => 'Error: Directory not
writeable by webserver.');
```

```
        }
    }
}
```

```
        else {
            $GLOBALS['status'] = array('error' => 'Error: Cannot read .rar
archive.');
```

```
        }
    }
}
/**
 * Class Zipper
 *
 * Copied and slightly modified from
http://at2.php.net/manual/en/class.ziparchive.php#110719
 * @author umbalaconmeogia
 */
class Zipper {
    /**
     * Add files and sub-directories in a folder to zip file.
     *
     * @param string    $folder
     *    Path to folder that should be zipped.
     *
     * @param ZipArchive $zipFile
     *    Zipfile where files end up.
     *
     * @param int        $exclusiveLength
     *    Number of text to be excluded from the file path.
     */
    private static function folderToZip($folder, &$zipFile,
    $exclusiveLength) {
        $handle = opendir($folder);
        while (FALSE !== $f = readdir($handle)) {
            // Check for local/parent path or zipping file itself and skip.
            if ($f != '.' && $f != '..' && $f != basename(__FILE__)) {
                $filePath = "$folder/$f";
                // Remove prefix from file path before add to zip.
                $localPath = substr($filePath, $exclusiveLength);
                if (is_file($filePath)) {
                    $zipFile->addFile($filePath, $localPath);
                }
                elseif (is_dir($filePath)) {
                    // Add sub-directory.
                    $zipFile->addEmptyDir($localPath);
                    self::folderToZip($filePath, $zipFile, $exclusiveLength);
                }
            }
        }
        closedir($handle);
    }
    /**
     * Zip a folder (including itself).
     * Usage:
     * Zipper::zipDir('path/to/sourceDir', 'path/to/out.zip');
```



```

*
* @param string $sourcePath
*   Relative path of directory to be zipped.
*
* @param string $outZipPath
*   Relative path of the resulting output zip file.
*/
public static function zipDir($sourcePath, $outZipPath) {
    $pathInfo = pathinfo($sourcePath);
    $parentPath = $pathInfo['dirname'];
    $dirName = $pathInfo['basename'];
    $z = new ZipArchive();
    $z->open($outZipPath, ZipArchive::CREATE);
    $z->addEmptyDir($dirName);
    if ($sourcePath == $dirName) {
        self::folderToZip($sourcePath, $z, 0);
    }
    else {
        self::folderToZip($sourcePath, $z, strlen("$parentPath/"));
    }
    $z->close();
    $GLOBALS['status'] = array('success' => 'Successfully created
archive ' . $outZipPath);
}
?>

```

```

<!DOCTYPE html>
<html>
<head>
    <title>File Unzipper + Zipper</title>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <style type="text/css">
        <!--
        body {
            font-family: Arial, sans-serif;
            line-height: 150%;
        }
        label {
            display: block;
            margin-top: 20px;
        }
        fieldset {
            border: 0;
            background-color: #EEE;
            margin: 10px 0 10px 0;
        }
        .select {
            padding: 5px;
            font-size: 110%;
        }
    </style>

```

```
.status {
  margin: 0;
  margin-bottom: 20px;
  padding: 10px;
  font-size: 80%;
  background: #EEE;
  border: 1px dotted #DDD;
}
.status--ERROR {
  background-color: red;
  color: white;
  font-size: 120%;
}
.status--SUCCESS {
  background-color: green;
  font-weight: bold;
  color: white;
  font-size: 120%
}
.small {
  font-size: 0.7rem;
  font-weight: normal;
}
.version {
  font-size: 80%;
}
.form-field {
  border: 1px solid #AAA;
  padding: 8px;
  width: 280px;
}
.info {
  margin-top: 0;
  font-size: 80%;
  color: #777;
}
.submit {
  background-color: #378de5;
  border: 0;
  color: #ffffff;
  font-size: 15px;
  padding: 10px 24px;
  margin: 20px 0 20px 0;
  text-decoration: none;
}
.submit:hover {
  background-color: #2c6db2;
  cursor: pointer;
}
-->
</style>
```

```
</head>
<body>
<p class="status status--<?php echo
strtoupper(key($GLOBALS['status'])); ?>">
  Status: <?php echo reset($GLOBALS['status']); ?><br/>
  <span class="small">Processing Time: <?php echo $time; ?>
seconds</span>
</p>
<form action="" method="POST">
  <fieldset>
    <h1>Archive Unzipper</h1>
    <label for="zipfile">Select .zip or .rar archive or .gz file you
want to extract:</label>
    <select name="zipfile" size="1" class="select">
      <?php foreach ($unzipper->zipfiles as $zip) {
        echo "<option>$zip</option>";
      }
    ?>
    </select>
    <label for="extpath">Extraction path (optional):</label>
    <input type="text" name="extpath" class="form-field" />
    <p class="info">Enter extraction path without leading or trailing
slashes (e.g. "mypath"). If left empty current directory will be
used.</p>
    <input type="submit" name="dounzip" class="submit" value="Unzip
Archive"/>
  </fieldset>
  <fieldset>
    <h1>Archive Zipper</h1>
    <label for="zippath">Path that should be zipped (optional):</label>
    <input type="text" name="zippath" class="form-field" />
    <p class="info">Enter path to be zipped without leading or trailing
slashes (e.g. "zippath"). If left empty current directory will be
used.</p>
    <input type="submit" name="dozip" class="submit" value="Zip
Archive"/>
  </fieldset>
</form>
<p class="version">Unzipper version: <?php echo VERSION; ?></p>
</body>
</html>
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```

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Last update: **28/10/2021 12:15**