

How to fix the bug in Hebrew (and in any other language that windows support)

1. In windows OS change the language for non-Unicode to your local MediaWiki language. E.g. the language of the files names you wish to upload. Usually it is the same as \$wgLanguageCode language. [See how on this link](#).
2. Windows NTFS file system uses special encoding, not ascii or utf8. Check the appropriate encoding for your language. For Hebrew I used windows-1255.
3. Edit the MediaWiki core code, and add these 4 changes. Note to use your language and not windows-1255. I used windows-1255 for Hebrew, but you might need something else.
 - a. Remove (or put as a comment) the test added by Bryan Tong Minh that prevent from uploading files with non ascii name in windows. Later we shell fix the bug, so that filter is no longer required.

See details: <https://www.mediawiki.org/wiki/Special:Code/MediaWiki/88165>
<MediaWiki/includes/upload/UploadBase.php> line 756.

- b. Go to the source code file in

<MediaWiki/includes/filebackend/FSFileBackend.php>. And in class FileBackendStore, in function FileBackendStore :: doStoreInternal in line 206, add the following lines:

```
if (strtoupper(substr(PHP_OS, 0, 3)) == 'WIN')

{
    $charSetArr = array("ASCII", "JIS", "EUC-JP", "UTF-8", "UTF-16", "windows-1251",
    "ISO-8859-1", "GBK");

    if (mb_detect_encoding($dest, $charSetArr) == "UTF-8")

    {
        $dest = iconv("UTF-8", "windows-1255", $dest);
    }
}
```

Just before the command that copies the file to the path:

```
$ok = copy( $params['src'], $dest );
```

Now you can upload files and images in Hebrew. But you can't view them as thumbnail.
Two more similar code fix are required for this task to complete.

- c. Go to the source code file in `MediaWiki\includes\filerepo\file\File.php`. And in class `File`, in function `File::transform` in line 623, add the following lines:

```

if (strtoupper(substr(PHP_OS, 0, 3)) == 'WIN')

{

$charSetArr = array("ASCII", "JIS", "EUC-JP", "UTF-8", "UTF-16", "windows-1251",
"ISO-8859-1", "GBK");

if (mb_detect_encoding($thumbPath, $charSetArr) == "UTF-8")

{

$thumbPath = iconv("UTF-8", "windows-1255", $thumbPath);

}

}

}

```

Right after the command returns the full path to the folder of the thumbnail file:

```
$thumbPath = $this->getThumbPath( $thumbName ); // final thumb path
```

- d. Go to the source code file in [MediaWiki\includes\media\Bitmap.php](#). And in class `BitmapHandler`, in function `BitmapHandler::transformGd` in line 548, add the following lines:

```

if (strtoupper(substr(PHP_OS, 0, 3)) == 'WIN')

{

$charSetArr = array("ASCII", "JIS", "EUC-JP", "UTF-8", "UTF-16", "windows-1251",
"ISO-8859-1", "GBK");

if (mb_detect_encoding($params['srcPath'], $charSetArr) == "UTF-8")

{

$params['srcPath'] = iconv("UTF-8", "windows-1255", $params['srcPath']);

}

}

}

```

Right before the command that test if the file exists in that location:

```
if ( !file_exists( $params['srcPath'] ) )
```