

## [opensuse] [ALMOST SOLVED] how to deliver archive to/from Windows user while ensure filenames in archive not corrupted

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I have tested a lot how we can solve this problem:

WE cannot avoid it: some day you need to send several files to a Windows user: you use a packing tool either because there are many files or because the file had been too fat and can be compressed.

What format to use: most western people I think will choose zip, for me I got a problem: the Chinese file names, after un-packaged on Windows, is junk text because on Linux we all use UTF-8 and Windows Chinese version using different charset (GB18030)

And I have tested a lot different formats:

Format Created by Opened by Filename readable after unpackaged?

zip 7-zip\_win32 FileRoller no  
zip FileRoller 7-zip\_win32 no  
rar WinRAR 3.6 FileRoller yes!  
rar FileRoller WinRAR 3.6 no  
iso mkisofs -J WinRAR 3.6 yes!  
jar FileRoller 7-zip no  
tar GnuTar WinRAR 3.6 no  
tar 7-zip GnuTar no  
cab IExpress cabextract no

Note:

- \* WinRAR 3.6 is actually WinRAR 3.60-Beta
- \* 7-zip\_win32 is a Windows software, the open-source alternative to WinRAR, can unpackage zip/tar/rar/7z formats and can create zip/tar/7z archives
- \* IExpress is a Microsoft utility pre-installed on most Windows computers. This utility can create CAB format archive
- \* FileRoller is SuSE 10.2's default gnome archive manager
- \* in all above archive formats, TAR and ISO are non-compressing format, e.g. they only archive (collect files into one file). To compress them you can use gzip.

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So the conclusion is:

1. To send an archive file to other windows user, the only known way that can ensure file names are NOT corrupted due to locale difference is to make the archive with "mkisofs -J", unfortunately no very easy graphical user interface for this purpose. If compression is needed, compress with gzip and Windows user who have WinRAR installed can open it.
2. To send an archive file from Windows to SuSE Linux user, the only known way that can ensure filenames are not corrupted due to locale difference is to make RAR archive with WinRAR (only tested v3.60-beta).
3. Non of known Linux archive formats can handle character-set conversion. "mkisofs -J" is actually using a Microsoft format,

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