BIZNET ISO 8859-2 (Central European) X Window System Fonts

Release Notes

BIZNET Poland sp. z o.o.

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2. Distribution.

The BIZNET ISO 8859-2 (Central European) X Window System Fonts are distributed as multiple compressed (with GNU *gzip*) tar files:

```
ISO8859-2-bdf.tar.gz   - source font files in the BDF format (Adobe Bitmap Distribution Format)
ISO8859-2-pcf.tar.gz   - font files in the PCF (Portable Compiled Font) format
ISO8859-2-pcfZ.tar.gz  - compressed PCF font files (.pcf.Z)
```

3. Easy Installation.

You will need the GNU *gunzip* command to uncompress the distribution file and the *tar* command to extract font files from the archive. To install the fonts in your system you need to create an empty directory and unpack one of the provided distribution tar files in this directory. For example:

```
mkdir /usr/lib/X11/fonts/latin2
gunzip -c ISO8859-2-pcf.tar.gz | (cd /usr/lib/X11/fonts/latin2; tar xvf -)
```

This command will create subdirectories `misc`, `75dpi` and `100dpi` in the `/usr/lib/X11/fonts/latin2` directory; The fonts files in the PCF format (Portable Compiled Font) will be unpacked into these subdirectories.

Then you will need to use the *xset* command to append these directories to the Xserver font path:

```
xset fp+ /usr/lib/X11/fonts/latin2/misc
xset fp+ /usr/lib/X11/fonts/latin2/75dpi,/usr/lib/X11/fonts/latin2/100dpi
```

Now, you can check whether the fonts are available to your system. The command:

```
xlsfonts -fn '*-iso8859-2' | more
```

will list the names of all the available ISO-8859-2 X Window fonts. You may use the *xfd* command to view the full character set of a given font. For example:

```
xfd -fn '-adobe-times-medium-i-normal--20-140-100-100-p-94-iso8859-2'
```

To change your font path permanently you must to modify the configuration of your Xserver.

4. Overview of the ISO 8859-2 X Window System Fonts.

The BIZNET ISO 8859-2 (Central European) X Window System Fonts are a set of ISO 8859-2 (sometimes called also ISO Latin2) X Window System bitmap typefaces. The ISO 8859-2 is a part of the ISO 8859 standard for 8bit (single-byte) digital character sets for Western alphabets (i.e. Latin, Cyrillic, Arabic, Hebrew and Greek). The ISO 8859 standard was developed by ECMA (European Computer Manufacturer's Association) and approved by the International Organisation for Standardisation (ISO).

The ISO 8859-2 is the official ISO standard for encoding national characters in several Latin-written Slavic and Central European languages. It applies to Albanian, Croatian, Czech, Hungarian, Polish, Rumanian, Slovak, Slovene and Sorbian (in addition it can be used for English, Finnish, Irish and German). However, the standard distribution of the X Window System is lacking support for ISO 8859-2.

The BIZNET ISO 8859-2 (Central European) X Window System Font set contains ISO 8859-2 typefaces derived from the original ISO 8859-1 typefaces included into the X Window System, Version 11, Release 6.3 (X11R6.3). The set contains 395 different typefaces. The set contains a 'twin' ISO 8859-2 font for every ISO 8859-1 font from X11R6.3. Therefore, it is sufficient to change '1' (or '*') to '2' in the charset encoding field of the font name to select the corresponding ISO 8859-2 font instead of the original ISO 8859-1 font.

The fonts provide the same look and feel as the originals, including metric information. All the fonts contain the full ISO 8859-2 character set.

The names of the BIZNET ISO 8859-2 (Central European) X Window System Fonts contain the name 'BIZNET' in the foundry field. In addition, to avoid trademark names, such as Times, Helvetica, New Century Schoolbook, Lucida, Utopia or Charter, the family names have been changed to BIZNET Kathimerini, BIZNET Aplos, BIZNET Anagnostiko, BIZNET Fotinos, BIZNET Chimera and BIZNET Chartis respectively. For improved functionality the *fonts.alias* files have been provided.

For example, the font name

```
-b&h-lucida-bold-i-normal-sans-11-80-100-100-p-69-iso8859-2
```

is an alias which will be resolved to the name of the font

```
-biznet-fotinos-bold-i-normal-sans-11-80-100-100-p-69-iso8859-2
```

which looks like Lucida Bold Italic Sans but contains all the ISO 8859-2 specific glyphs. The *font.alias* files comprise as well entries for 'scalable' names. For example the 'scalable' font alias

```
-b&h-lucida-bold-i-normal-sans-0-0-100-100-p-0-iso8859-2
```

will be resolved as

```
-biznet-fotinos-bold-i-normal-sans-0-0-100-100-p-0-iso8859-2
```

5. Supported Systems.

The BIZNET ISO 8859-2 (Central European) X Window System Fonts are not specific to any particular platform or application. The fonts have been tested with several windowing and operating systems:

Solaris 2.4 with OpenWindows 3.0
Solaris 2.4 with X11R6
Solaris 2.5.1 with X11R6.3
Ultrix 4.4 with X11R6
HP-UX 9.07 (HP-VUE)
HP-UX 10.01, 10.10 (HP-CDE)
FreeBSD 2.2 with XFree86 3.2

The fonts have been also successfully tested with several font servers:

X11R6.3pl1 fontserver (*xfs*)
HP-UX 9.07 fontserver
IBM AIX 3.2.5 fontserver

as well as with several X Terminal systems (NCD, Tektronix, Enware) and X Window emulation software (e.g. eXcursion, eXceed). The fonts can be used in all the applications including *Netscape, GNU Emacs, XEmacs, xterm,* etc.

We would like to acknowledge the beta version testers for their efforts and feedback: Wojciech Myszka of Technical University of Wrocław, Wojciech Sylwestrzak of ICM, Warsaw University and Piotr Piątkowski of Academy of Mining and Metallurgy in Cracow.

6. Comments or Problems.

If you have any problems or comments concerning the BIZNET ISO 8859-2 (Central European) X Window System Fonts send email to fontmaster@biz.net.pl. Otherwise, we can be reached at:

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