

# VisualBasic .net streamreader encoding

Reading text files that don't have default encoding (your system default) can be a pain. Here is how you do it - with full list of encodings

```
Dim SR As System.IO.StreamReader = New StreamReader("in.txt",
Encoding.GetEncoding("ibm852"))
Dim strtmp As String
While Not SR.EndOfStream
    strtmp = SR.ReadLine()
    'Do something with this line
End While
SR.Close()
SR.Dispose()
SR = Nothing
```

The this example retrieves the different names for each encoding and compares them with the equivalent Encoding names:

```
Imports System
Imports System.Text

Public Class SamplesEncoding
    Public Shared Sub Main()
        Console.WriteLine("Info.CodePage      ")
        Console.WriteLine("Info.Name              ")
        Console.WriteLine("Info.DisplayName")
        Console.WriteLine()
        Dim ei As EncodingInfo
        For Each ei In Encoding.GetEncodings()
            Dim e As Encoding = ei.GetEncoding()

            Console.WriteLine("{0,-15}", ei.CodePage)
            If ei.CodePage = e.CodePage Then
                Console.WriteLine("    ")
            Else
                Console.WriteLine("*** ")
            End If

            Console.WriteLine("{0,-25}", ei.Name)
            If ei.CodePage = e.CodePage Then
                Console.WriteLine("    ")
            Else
                Console.WriteLine("*** ")
            End If

            Console.WriteLine("{0,-25}", ei.DisplayName)
            If ei.CodePage = e.CodePage Then
                Console.WriteLine("    ")
            End If
        End For
    End Sub
End Class
```

```

Else
    Console.WriteLine("*** ")
End If
Console.WriteLine()
Next ei

End Sub

End Class

'This code produces the following output.
'
'Info.CodePage      Info.Name           Info.DisplayName
'37                 IBM037              IBM EBCDIC (US-Canada)
'437                IBM437              OEM United States
'500                IBM500              IBM EBCDIC (International)
'708                ASM0-708            Arabic (ASM0 708)
'720                DOS-720             Arabic (DOS)
'737                ibm737              Greek (DOS)
'775                ibm775              Baltic (DOS)
'850                ibm850              Western European (DOS)
'852                ibm852              Central European (DOS)
'855                IBM855              OEM Cyrillic
'857                ibm857              Turkish (DOS)
'858                IBM00858            OEM Multilingual Latin I
'860                IBM860              Portuguese (DOS)
'861                ibm861              Icelandic (DOS)
'862                DOS-862             Hebrew (DOS)
'863                IBM863              French Canadian (DOS)
'864                IBM864              Arabic (864)
'865                IBM865              Nordic (DOS)
'866                cp866               Cyrillic (DOS)
'869                ibm869              Greek, Modern (DOS)
'870                IBM870              IBM EBCDIC (Multilingual
Latin-2)
'874                windows-874         Thai (Windows)
'875                cp875               IBM EBCDIC (Greek Modern)
'932                shift_jis           Japanese (Shift-JIS)
'936                gb2312              Chinese Simplified (GB2312)
'949                ks_c_5601-1987     Korean
'950                big5                Chinese Traditional (Big5)
'1026               IBM1026             IBM EBCDIC (Turkish
Latin-5)
'1047               IBM01047            IBM Latin-1
'1140               IBM01140            IBM EBCDIC (US-Canada-Euro)
'1141               IBM01141            IBM EBCDIC (Germany-Euro)
'1142               IBM01142            IBM EBCDIC (Denmark-Norway-
Euro)
'1143               IBM01143            IBM EBCDIC (Finland-Sweden-
Euro)

```

|        |                   |                                 |
|--------|-------------------|---------------------------------|
| '1144  | IBM01144          | IBM EBCDIC (Italy-Euro)         |
| '1145  | IBM01145          | IBM EBCDIC (Spain-Euro)         |
| '1146  | IBM01146          | IBM EBCDIC (UK-Euro)            |
| '1147  | IBM01147          | IBM EBCDIC (France-Euro)        |
| '1148  | IBM01148          | IBM EBCDIC (International-Euro) |
| '1149  | IBM01149          | IBM EBCDIC (Icelandic-Euro)     |
| '1200  | utf-16            | Unicode                         |
| '1201  | unicodeFFFE       | Unicode (Big-Endian)            |
| '1250  | windows-1250      | Central European (Windows)      |
| '1251  | windows-1251      | Cyrillic (Windows)              |
| '1252  | Windows-1252      | Western European (Windows)      |
| '1253  | windows-1253      | Greek (Windows)                 |
| '1254  | windows-1254      | Turkish (Windows)               |
| '1255  | windows-1255      | Hebrew (Windows)                |
| '1256  | windows-1256      | Arabic (Windows)                |
| '1257  | windows-1257      | Baltic (Windows)                |
| '1258  | windows-1258      | Vietnamese (Windows)            |
| '1361  | Johab             | Korean (Johab)                  |
| '10000 | macintosh         | Western European (Mac)          |
| '10001 | x-mac-japanese    | Japanese (Mac)                  |
| '10002 | x-mac-chinesetrad | Chinese Traditional (Mac)       |
| '10003 | x-mac-korean      | Korean (Mac)                    |
| '10004 | x-mac-arabic      | Arabic (Mac)                    |
| '10005 | x-mac-hebrew      | Hebrew (Mac)                    |
| '10006 | x-mac-greek       | Greek (Mac)                     |
| '10007 | x-mac-cyrillic    | Cyrillic (Mac)                  |
| '10008 | x-mac-chinesesimp | Chinese Simplified (Mac)        |
| '10010 | x-mac-romanian    | Romanian (Mac)                  |
| '10017 | x-mac-ukrainian   | Ukrainian (Mac)                 |
| '10021 | x-mac-thai        | Thai (Mac)                      |
| '10029 | x-mac-ce          | Central European (Mac)          |
| '10079 | x-mac-icelandic   | Icelandic (Mac)                 |
| '10081 | x-mac-turkish     | Turkish (Mac)                   |
| '10082 | x-mac-croatian    | Croatian (Mac)                  |
| '12000 | utf-32            | Unicode (UTF-32)                |
| '12001 | utf-32BE          | Unicode (UTF-32 Big-Endian)     |
| '20000 | x-Chinese-CNS     | Chinese Traditional (CNS)       |
| '20001 | x-cp20001         | TCA Taiwan                      |
| '20002 | x-Chinese-Eten    | Chinese Traditional (Eten)      |
| '20003 | x-cp20003         | IBM5550 Taiwan                  |
| '20004 | x-cp20004         | TeleText Taiwan                 |
| '20005 | x-cp20005         | Wang Taiwan                     |
| '20105 | x-IA5             | Western European (IA5)          |
| '20106 | x-IA5-German      | German (IA5)                    |
| '20107 | x-IA5-Swedish     | Swedish (IA5)                   |
| '20108 | x-IA5-Norwegian   | Norwegian (IA5)                 |
| '20127 | us-ascii          | US-ASCII                        |
| '20261 | x-cp20261         | T.61                            |
| '20269 | x-cp20269         | ISO-6937                        |
| '20273 | IBM273            | IBM EBCDIC (Germany)            |

|                    |                         |                             |
|--------------------|-------------------------|-----------------------------|
| '20277             | IBM277                  | IBM EBCDIC (Denmark-Norway) |
| '20278             | IBM278                  | IBM EBCDIC (Finland-Sweden) |
| '20280             | IBM280                  | IBM EBCDIC (Italy)          |
| '20284             | IBM284                  | IBM EBCDIC (Spain)          |
| '20285             | IBM285                  | IBM EBCDIC (UK)             |
| '20290             | IBM290                  | IBM EBCDIC (Japanese        |
| katakana)          |                         |                             |
| '20297             | IBM297                  | IBM EBCDIC (France)         |
| '20420             | IBM420                  | IBM EBCDIC (Arabic)         |
| '20423             | IBM423                  | IBM EBCDIC (Greek)          |
| '20424             | IBM424                  | IBM EBCDIC (Hebrew)         |
| '20833             | x-EBCDIC-KoreanExtended | IBM EBCDIC (Korean          |
| Extended)          |                         |                             |
| '20838             | IBM-Thai                | IBM EBCDIC (Thai)           |
| '20866             | koi8-r                  | Cyrillic (KOI8-R)           |
| '20871             | IBM871                  | IBM EBCDIC (Icelandic)      |
| '20880             | IBM880                  | IBM EBCDIC (Cyrillic        |
| Russian)           |                         |                             |
| '20905             | IBM905                  | IBM EBCDIC (Turkish)        |
| '20924             | IBM00924                | IBM Latin-1                 |
| '20932             | EUC-JP                  | Japanese (JIS 0208-1990 and |
| '0212-1990)        |                         |                             |
| '20936             | x-cp20936               | Chinese Simplified (GB2312- |
| '80)               |                         |                             |
| '20949             | x-cp20949               | Korean Wansung              |
| '21025             | cp1025                  | IBM EBCDIC (Cyrillic        |
| Serbian-Bulgarian) |                         |                             |
| '21866             | koi8-u                  | Cyrillic (KOI8-U)           |
| '28591             | iso-8859-1              | Western European (ISO)      |
| '28592             | iso-8859-2              | Central European (ISO)      |
| '28593             | iso-8859-3              | Latin 3 (ISO)               |
| '28594             | iso-8859-4              | Baltic (ISO)                |
| '28595             | iso-8859-5              | Cyrillic (ISO)              |
| '28596             | iso-8859-6              | Arabic (ISO)                |
| '28597             | iso-8859-7              | Greek (ISO)                 |
| '28598             | iso-8859-8              | Hebrew (ISO-Visual)         |
| '28599             | iso-8859-9              | Turkish (ISO)               |
| '28603             | iso-8859-13             | Estonian (ISO)              |
| '28605             | iso-8859-15             | Latin 9 (ISO)               |
| '29001             | x-Europa                | Europa                      |
| '38598             | iso-8859-8-i            | Hebrew (ISO-Logical)        |
| '50220             | iso-2022-jp             | Japanese (JIS)              |
| '50221             | csISO2022JP             | Japanese (JIS-Allow 1 byte  |
| Kana)              |                         |                             |
| '50222             | iso-2022-jp             | Japanese (JIS-Allow 1 byte  |
| Kana - S0/SI)      |                         |                             |
| '50225             | iso-2022-kr             | Korean (ISO)                |
| '50227             | x-cp50227               | Chinese Simplified          |
| (ISO-2022)         |                         |                             |
| '51932             | eu-c-jp                 | Japanese (EUC)              |
| '51936             | EUC-CN                  | Chinese Simplified (EUC)    |

|                     |            |                         |
|---------------------|------------|-------------------------|
| '51949              | euc-kr     | Korean (EUC)            |
| '52936              | hz-gb-2312 | Chinese Simplified (HZ) |
| '54936<br>(GB18030) | GB18030    | Chinese Simplified      |
| '57002              | x-iscii-de | ISCII Devanagari        |
| '57003              | x-iscii-be | ISCII Bengali           |
| '57004              | x-iscii-ta | ISCII Tamil             |
| '57005              | x-iscii-te | ISCII Telugu            |
| '57006              | x-iscii-as | ISCII Assamese          |
| '57007              | x-iscii-or | ISCII Oriya             |
| '57008              | x-iscii-ka | ISCII Kannada           |
| '57009              | x-iscii-ma | ISCII Malayalam         |
| '57010              | x-iscii-gu | ISCII Gujarati          |
| '57011              | x-iscii-pa | ISCII Punjabi           |
| '65000              | utf-7      | Unicode (UTF-7)         |
| '65001              | utf-8      | Unicode (UTF-8)         |

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