
Rainbow Table Charset Configuration

Define charset in configuration file

In RainbowCrack software, all charsets are defined in a configuration file named `charset.txt`.

Typical `charset.txt` file:

```
loweralpha-numeric = [abcdefghijklmnopqrstuvwxyz0123456789]
mixalpha-numeric   =
[abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789]
ascii-32-95        = [ !"#$%&'()*+,-
./0123456789:;<=>?@ABCDEFGHIJKLMN
OPQRSTUVWXYZ[\]^_`abcdefghijklmnop
qrstuvwxyz{|}~]
```

Each charset is defined in one line with charset name on the left and charset content on the right. The actual characters of the charset are enclosed by "[" and "]".

To define a new charset, add a similar line to that configuration file.

The RainbowCrack software also uses a built-in charset named "byte" representing all 256 single byte characters with value from 0x00 to 0xff.

Use the charset

The charset configuration file is used by `rtgen` and `rcrack` program.

The `rtgen` program read the charset name from command line, and the `rcrack` program read the charset name from the rainbow table file name. Actual charset is loaded from configuration file once charset name is known.

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