

[TOOL] RWKG Random WEP/WPA Keys Generator

Source: <http://www.derkeiler.com/Mailing-Lists/Securiteam/2005-09/0003.html>

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RWKG Random WEP/WPA Keys Generator

SUMMARY

DETAILS

The RWKG tool can be used to generate random WEP and WPA keys.

These randomly generated a strings of allowed ASCII characters are then converted to their hex format (where 5/13/16/29 characters are used to create 64/128/152/256 bits WEP keys, or between 8 and 63 characters strings to create WPA/PSK keys).

Code:

```
#!/usr/bin/perl
```

```
##
```

```
# RWKG
```

```
# Random WEP/WPA Keys Generator
```

```
#
```

```
# This tool generate a random string of
```

```
# allowed ascii characters and convert it
```

```
# to hex format (5/13/16/29 characters are
```

```
# necessary to create 64/128/152/256 bits
```

```
# WEP keys, 8-63 characters strings instead
```

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```
# to create WPA/PSK keys).
#
# Code for SecurityWireless.info proof use only.
#
# Legal notes :
# BlackAngels staff refuse all responsibilities
# for an incorrect or illegal use of this software
# or for eventual damages to others systems.
##

# Variables
$keytype = $ARGV[ 0 ];
$keydimension = $ARGV[ 1 ];
$string = " !#$%&()*+,-./0123456789;:<=>?\\".
"@ABCDEFGHIJKLMNOPQRSTUVWXYZ[^]". "_abcdefghijklmnopqrstuvwxyz{~}";
@chars = split(/,$string);
$n = @chars - 1;

# Random WEP/WPA Keys Generator
if ($keytype eq "WEP") {
    if ($keydimension eq 64) { $key = generate(5); }
    elseif ($keydimension eq 128) { $key =
generate(13); }
    elseif ($keydimension eq 152) { $key =
generate(16); }
    elseif ($keydimension eq 256) { $key =
generate(29); }
    else { usage(); }

    print "\n\n[*] Generating WEP key ...\n";
    $type = "WEP";
}
elseif ($keytype eq "WPA") {
    if ($keydimension >= 8 && $keydimension <= 63)
{

    if ($keydimension <= 20) { print "\nWarning: WPA/PSK keys with a length
of less then 20 characters, could be simply found via bruteforce attack
.."; }

    $key = generate($keydimension)

}

    else { usage(); }

    print "\n\n[*] Generating WPA/PSK key ...\n";
    $type = "WPA/PSK";
}
else { usage(); }
```

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```
$hex = unpack('H*', $key);
print "\n[+] Random $type key";
print "\n [-] ASCII Value -> $key";
print "\n [-] Hex Value -> $hex\n\n";

# Subroutines
sub generate
{
    my ($len) = @_ ;
    for ($i=0;$i<$len;$i++) {
        $index = int(rand $n);
        $key = $key . $chars[$index];
    }
    return $key;
    exit(1);
}

sub usage
{
    print "\nUsage : \n";
    print "perl rwkg.pl <key type> <key dimension>\n";
    print "Key types allowed: WEP, WPA\n";
    print "Key dimension WEP allowed values: 64, 128, 152, 256\n";
    print "Key dimension WPA/PSK allowed values: 8/63\n";
    print "Code for SecurityWireless.info proof use only\n\n";
    exit(1);
}
```

ADDITIONAL INFORMATION

The information has been provided by <<mailto:admin@securitywireless.info>>
D'Amato Luigi.

To keep updated with the tool visit the project's homepage at:

<<http://www.securitywireless.info/genwpawep.php>>

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