

*Perl*  
*para sysadmins*  
*e DBA's*

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- *Porque Perl?*
- *Sysadmin*
- *DBA*

# Porque Perl?

- Feita por um Sysadmin!
- CPAN - 16.000
- Practical Extraction And Report Language

# Hash

- %idade = {  
    “maria” => 20,  
    “jose” => 32,  
    “arthur\_dent” => 42  
}
- print \$idade{'maria'};
- Novo item no hash  
\$idade{“arthur\_dent”} = 42;
- Deletando item do hash  
delete(\$idade{“jose”});

# Sysadmin

- Monitoramento de logs de web
  - Realtime

```
while (my $line = <STDIN>) {  
    my ($ip) = split(/\s/, $line);  
    $hash_count{$ip} = $hash_count{$ip} + 1;  
}  
  
foreach my $line ( sort { $hash_count{$b} <=> $hash_count{$a} }  
                  keys %hash_count ) {  
    my $accessos = $hash_count{$line};  
    print "ip: $line\taccessos:\t$accessos\n";  
}
```

# Sysadmin

- Monitoramento de logs web
  - [http://lornlab.org/palestra\\_fisl/conta\\_acessos.pl](http://lornlab.org/palestra_fisl/conta_acessos.pl)
  - `$ tail -2000 www.seusite.com.br-accesslog | perl conta_acessos.pl -ip`

```
$VAR1 = {  
    '189.11.154.208' => 40,  
    '189.6.33.131' => '10',  
    '201.77.125.1' => 50  
};
```

*ip: 201.77.125.1 acessos: 50*

*ip: 189.11.154.208 acessos: 40*

*ip: 189.6.33.131 acessos: 10*

# Sysadmin

- Verificar arquivos duplicados

[http://lornlab.org/palestra\\_fisl/procura\\_duplicados.pl](http://lornlab.org/palestra_fisl/procura_duplicados.pl)

Modulos usados :

- File::Find::Objects
- Digest::MD5

# Sysadmin

- Verificar arquivos duplicados

```
$VAR1 = {  
    'd41d8cd98f00b204e9800998ecf8427e' => [  
        '/home/lorn/foo/teste.'  
    ],  
    '4e4e48f6991aed957d42ee0ec4bb0a92' => [  
        '/home/lorn/foo/bar.txt',  
        '/home/lorn/foo/teste.txt'  
    ]  
};
```

# Sysadmin

- Verificar archivos duplicados

```
while (my $r = $tree->next()) {  
    if ( -d $r ){  
        next;  
    }  
    open(my $file,'<',$r) or die "$!\n";  
    $md5->addfile($file);  
    my $digest = $md5->hexdigest;  
    close $file;  
    my @files = ( $r );  
    push(@{$hash_file{$digest}},$r) ;  
}
```

# Sysadmin

```
foreach my $md5hex ( sort { $hash_file{$a} <=> $hash_file{$b} } keys %hash_file ) {  
    if(scalar(@{$hash_file{$md5hex}}) > 1){  
        print "Arquivo duplicado!\n";  
        foreach my $file(@{$hash_file{$md5hex}}){  
            print "file: $file\n";  
        }  
    }  
}  
}
```

Uso: perl procura\_duplicados.pl

Arquivo duplicado!

file: /home/lorn/foo/bar.txt

file: /home/lorn/foo/teste.txt

# DBA

- Arrumando dados
  - String::Approx
  - String::Trigram

```
use String::Trigram;
```

```
my $string1 = "duke de caxyas";
```

```
my $string2 = "duque de caxias";
```

```
my $smlty = String::Trigram::compare($string1, $string2);
```

```
print "$string1 and $string2 have a similarity of ", sprintf("%.2f", ($smlty * 100)),  
"%.\n";
```

# DBA

- duke de caxyas and duque de caxias have a similarity of 43.48%.

# DBA

- SELECT to XLS
  - Spreadsheet::Write

# Obrigado!

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