



REVIEW 01

Revisão das Aulas 01 02 03 04



Especialista em “juntar as partes” do mundo opensource



Review 01

- ✓ Servidor Firewall e DHCP
- ✓ Servidor DNS
- ✓ Servidor Apache I e II
- ✓ Servidor FTP



Review 01

Firewall

Security

➤ Tópico 212 - System Security

✓ **Iptables**, SSH, OpenVPN

/etc/services

iptables

iptables-save

List and write
rules

Destination
protocol

```
1# iptables -nL -t filter
```

```
2# iptables -nL -t nat
```

```
3# iptables-save > /tmp/regras
```

```
4# iptables -t filter -F
```

```
5# iptables -t nat -F
```

```
6# iptables-restore /tmp/regras
```

Review 01

Firewall

Security

➤ Tópico 212 - System Security

✓ **Iptables**, SSH, OpenVPN

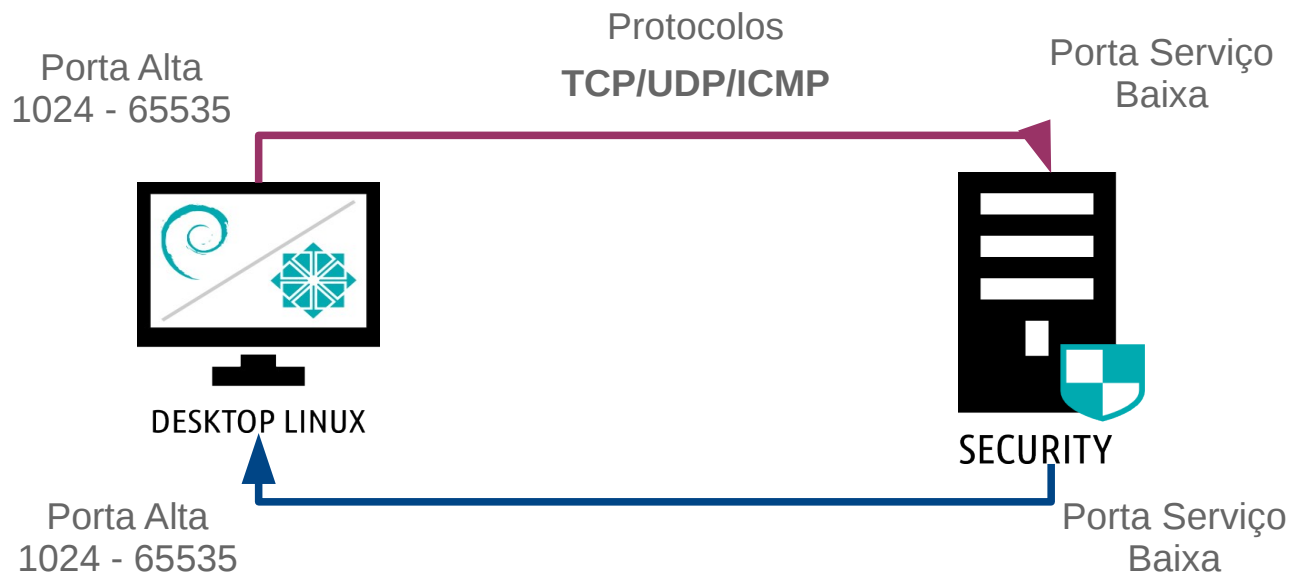
/etc/services

iptables

iptables-save

List and write
rules

Destination
protocol

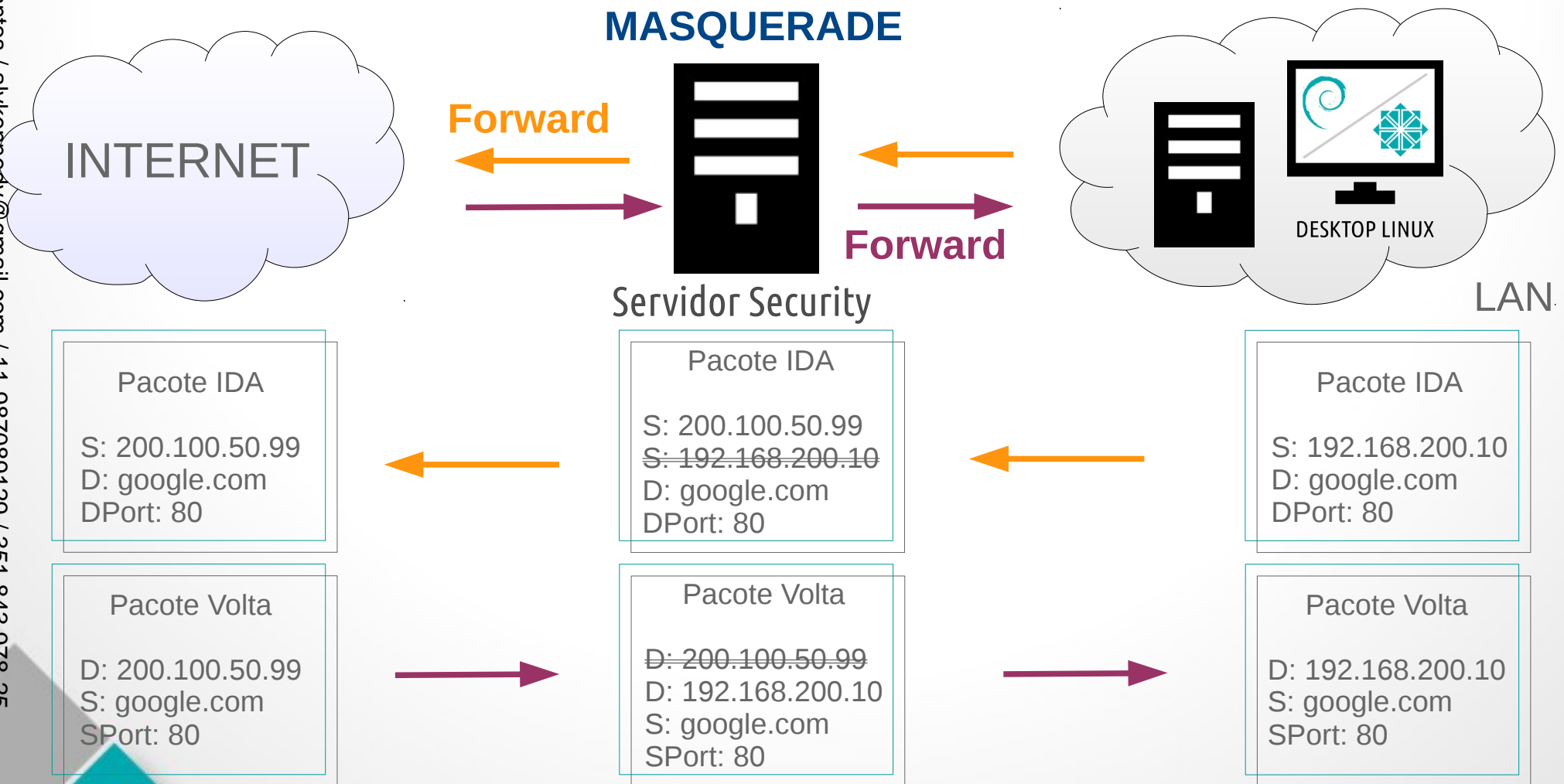


Review 01

Firewall

Como Funciona o Compartilhamento de Internet?

Security



Review 01

Firewall

Security

➤ Tópico 212 - System Security

✓ **Iptables**, SSH, OpenVPN

/etc/services

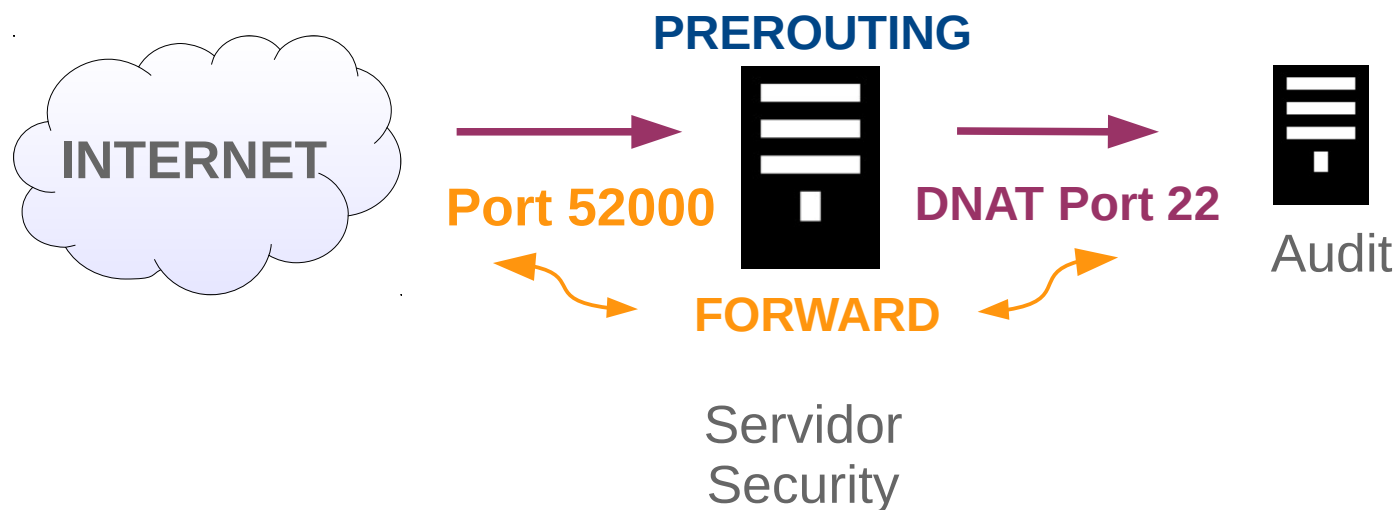
iptables

iptables-save

List and write
rules

Destination
protocol

Como Funciona o Redirecionamento de Portas?



Review 01

Servidor DNS

WebServerInterno/Audit

➤ Tópico 207 - Domain Name Server

✓ **DNS Utils**, BIND

resolv.conf
dig
host
MX
CNAME
named.conf
/var/named/
rndc
zone file
reverse

✓ **DNS Recursivo**

✓ **DNS Autoritativo (SOA)**

✓ **DNS Primário e Secundário**

✓ **DNS Reverso**

Review 01

Servidor DNS

WebServerInterno/Audit

➤ Tópico 207 - Domain Name Server

✓ **DNS Utils**, BIND

resolv.conf
dig
host
MX
CNAME
named.conf
/var/named/
rndc
zone file
reverse

```
1# dig @8.8.8.8 google.com.br (DNS Recursivo)
2# dig @ns1.google.com uol.com.br (DNS Autoritativo)
;; WARNING: recursion requested but not available
3# cat /etc/resolv.conf
4# host -t a www.dexter.com.br
5# host -t mx dexter.com.br
```

Review 01

Servidor DNS

WebServerInterno/Audit

➤ Tópico 207 - Domain Name Server

✓ **DNS Utils**, BIND

resolv.conf
dig
host
MX
CNAME
named.conf
/var/named/
rndc
zone file
reverse

```
1# host -t ns dexter.com.br (DNS Primário/Secundário)
2# host 192.168.200.131
3# dig -x 192.168.200.131 (DNS Reverso)
4# dig dexter.com.br axfr (Transferência de Zona)
```

Review 01

Servidor DNS

Audit

➤ Tópico 207 - Domain Name Server

✓ DNS Utils, **Bind**

resolv.conf
dig
host
MX
CNAME
named.conf
/var/named/
rndc
zone file
reverse

Vamos Criar uma Nova Zona para as Aulas de Revisão

```
1# vim /etc/bind/named.conf.local
2# vim /var/cache/bind/db.new
3# rndc reload
4# dig @127.0.0.1 www.new.com.br
```

Review 01

Servidor DNS

WebServerInterno

➤ Tópico 207 - Domain Name Server

✓ DNS Utils, **Bind**

resolv.conf
dig
host
MX
CNAME
named.conf
/var/named/
rndc
zone file
reverse

Configurando o Secundário

```
1# vim /etc/named.conf.local
```

```
2# rndc reload
```

```
webserverinterno named[3916]: transfer of 'gabycom.br/IN' from  
192.168.200.30#53: Transfer completed: 1 messages, 7 records, 207  
bytes, 0.001 secs (207000 bytes/sec)
```

```
3# dig @127.0.0.1 www.new.com.br
```

Review 01

Servidor Apache

WebServerInterno

➤ Tópico 208 - Web Services

✓ **Apache**, Apache SSL, Squid, Ngnix

access logs
error logs
.htaccess
httpd.conf
mod_auth
htpasswd
SSLEngine

Vamos Criar uma VirtualHost para as Aulas de Revisão

```
1# cd /etc/httpd/sites/
```

```
2# vim new.conf
```

```
<VirtualHost *:80>  
    ServerName      www.new.com.br  
    ServerAlias     new.com.br  
    DocumentRoot    /var/www/html/new  
    ErrorLog        logs/gabyics-error_log  
    CustomLog       logs/gabyics-access_log common  
</VirtualHost>
```

Review 01

Servidor Apache

WebServerInterno

➤ Tópico 208 - Web Services

✓ **Apache**, Apache SSL, Squid, Ngnix

access logs
error logs
.htaccess
httpd.conf
mod_auth
htpasswd
SSLEngine

Vamos Criar uma VirtualHost para as Aulas de Revisão

```
1# mkdir /var/www/html/new
```

```
2# vim index.html
```

```
<html>
```

```
<h1> Meu Site </h1>
```

```
</html>
```


Review 01

Servidor Apache

WebServerInterno

➤ Tópico 208 - Web Services

✓ Apache **Apache SSL**, Squid, Ngnix

access logs

error logs

.htaccess

httpd.conf

mod_auth

htpasswd

SSLEngine

Browser:
www.dexter.com.br



DESKTOP LINUX

CERT

Criptografia



Servidor Web
dexter.com.br

1 – Gerar Chave;

2 – Criar a requisição **CSR**;

3 – Mandar Chave e o **CSR** para uma **CA**;

4 – A CA assina e gera um **CRT**;

3/4 - Auto assinar o Certificado.

Review 01

Servidor Apache

WebServerInterno

➤ Tópico 208 - Web Services

✓ **Apache**, Apache SSL, Squid, Ngnix

access logs
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.htaccess
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mod_auth
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SSLEngine

Vamos ativar HTTPS no VirtualHost recém criado

```
1# openssl genrsa -out /etc/ssl/new.key 1024
```

```
2# openssl req -new -key /etc/ssl/new.key -out  
/etc/ssl/new.csr
```

```
3# openssl x509 -req -days 365 -in /etc/ssl/new.csr  
-signkey /etc/ssl/newkey -out /etc/ssl/new.crt
```

Review 01

Servidor Apache

WebServerInterno

➤ Tópico 208 - Web Services

✓ **Apache**, Apache SSL, Squid, Ngnix

access logs
error logs
.htaccess
httpd.conf
mod_auth
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SSLEngine

Vamos ativar HTTPS no VirtualHost recém criado

```
1# vim /etc/httpd/sites/new.conf

<VirtualHost *:443>
    ServerName    www.gabycs.com.br
    DocumentRoot  /var/www/html/gabycs

    SSLEngine on
    SSLCertificateFile    /etc/ssl/new.crt
    SSLCertificateKeyFile /etc/ssl/new.key
</VirtualHost>

2# systemctl reload httpd.service
```

Dúvidas?



OBRIGADO!

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