Práctica BRS
Xestor de correo: Cifrado e Sinatura Dixital

ESCENARIO

Máquina virtual ou física:
RAM ≤ 2048MB CPU ≤ 2 PAE/NX habilitado
ISO/CD/DVD/USB: Live amd64 - Calquera distribución baseada en Debian
REDE: DHCP (NAT)
BIOS: Permite arranque dispositivo extraíble: CD/DVD, USB

NOTAS:

- **gpg**
- **OpenPGP**
- **Philip Zimmermann**
- **Firma digital y cifrado de mensajes**
- **De interese: TALLER SR – PRÁCTICA 71 – Cliente de correo electrónico: Mozilla Thunderbird + cabeceiras**
- **De interese: TALLER SR – PRÁCTICA 72 – Mozilla Thunderbird + combinación de correo (Mail Merge)**

Práctica

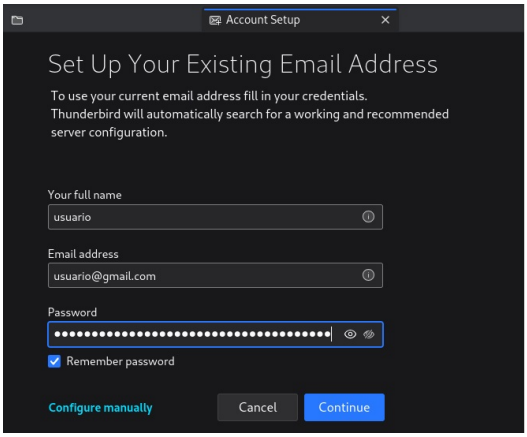
1. **Instalar xestor de correo Thunderbird**:

kali@kali:~$ setxkbmap es #Cambiar o mapa de teclado ao idioma español.
kali@kali:~$ sudo su - #Acceder á consola de root(administrador) a través dos permisos configurados co comando sudo (/etc/sudoers, visudo)
root@kali:~# apt update #Actualizar o listado de paquetes dos repositorios (/etc/apt/sources.list, /etc/apt/sources.list.d/)
root@kali:~# apt search thunderbird #Buscar calquera paquete que coincida co patrón de búsqueda thunderbird
root@kali:~# apt -y install thunderbird thunderbird-l10n-gl #Instalar o paquete thunderbird(xestor de correo) e o paquete thunderbird-l10n-gl(idioma galego para o xestor de correo thunderbird). Co parámetro -y automaticamente asumimos yes a calquera pregunta que ocorra na instalación do paquete.
root@kali:~# exit #Saír da consola do usuario root, para voltar á consola do usuario kali sen permisos de root
kali@kali:~$

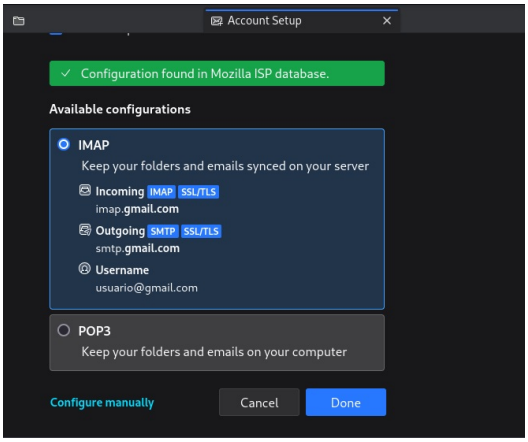
2. **Configurar Thunderbird**

kali@kali:~$ thunderbird & #Executar thunderbird en segundo plano, devolveńdose o prompt da consola

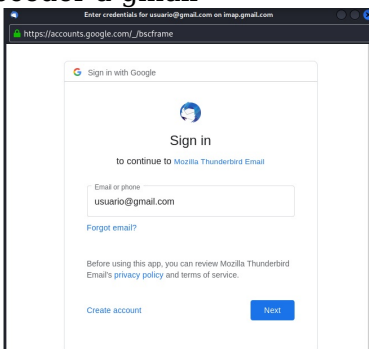
A. Cubrir os campos do formulario solicitado para configurar a conta de correo, e picar en Continue:



B. Picar en Done

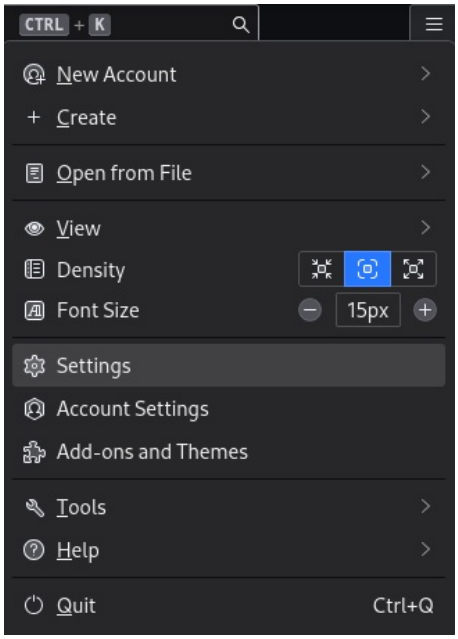


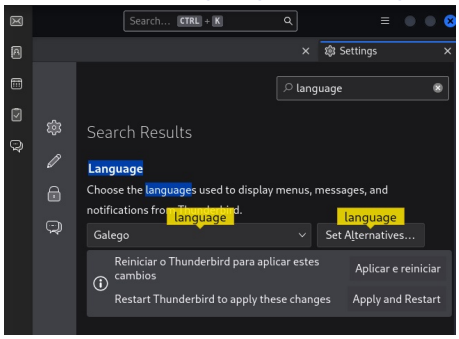
C. Acceder a gmail

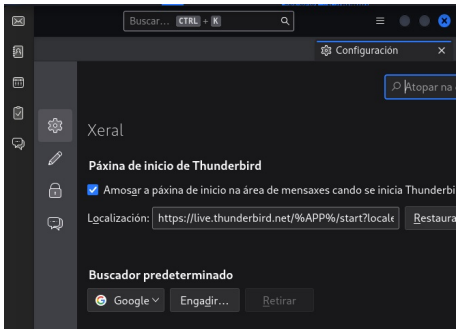


D. Permitir acceso a thunderbird

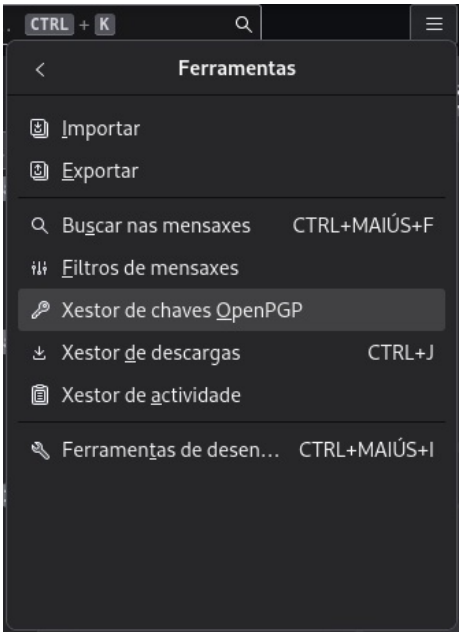
E. Cambiar o idioma da interface a Galego: Settings → Buscar language → Galego → Cambiado



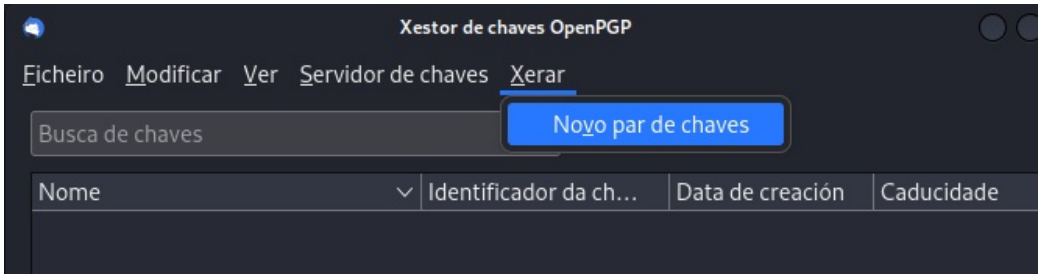


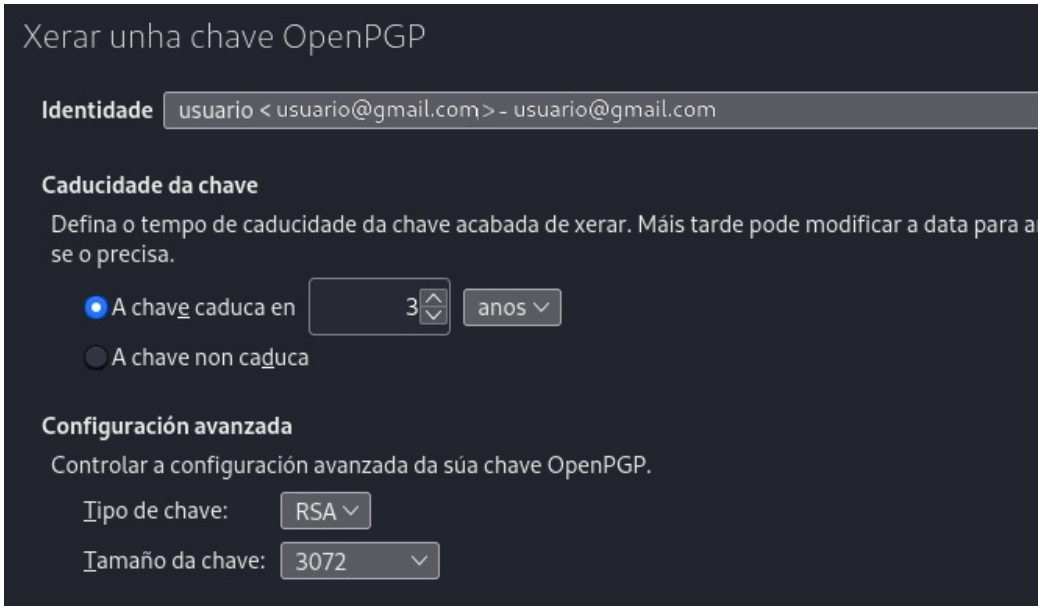


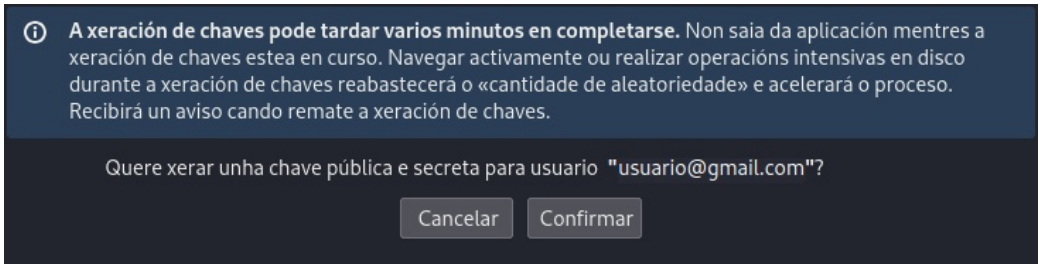
F. Abrir o xestor claves PGP en thunderbird: Ferramentas → Xestor de chaves OpenPGP



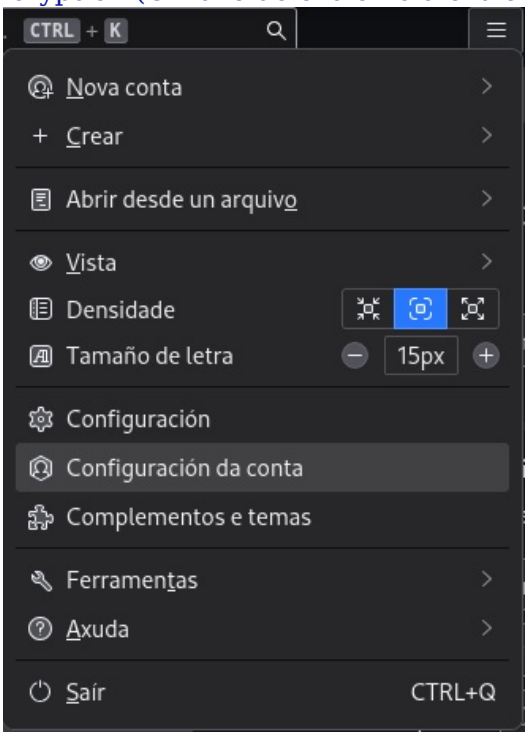
G. Crear un novo par de claves: Xerar → Nova par de chaves → Xerar unha chave OpenPGP → Xerar a chave → Confirmar

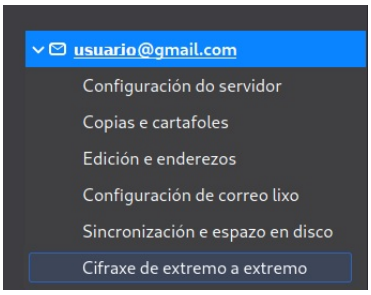


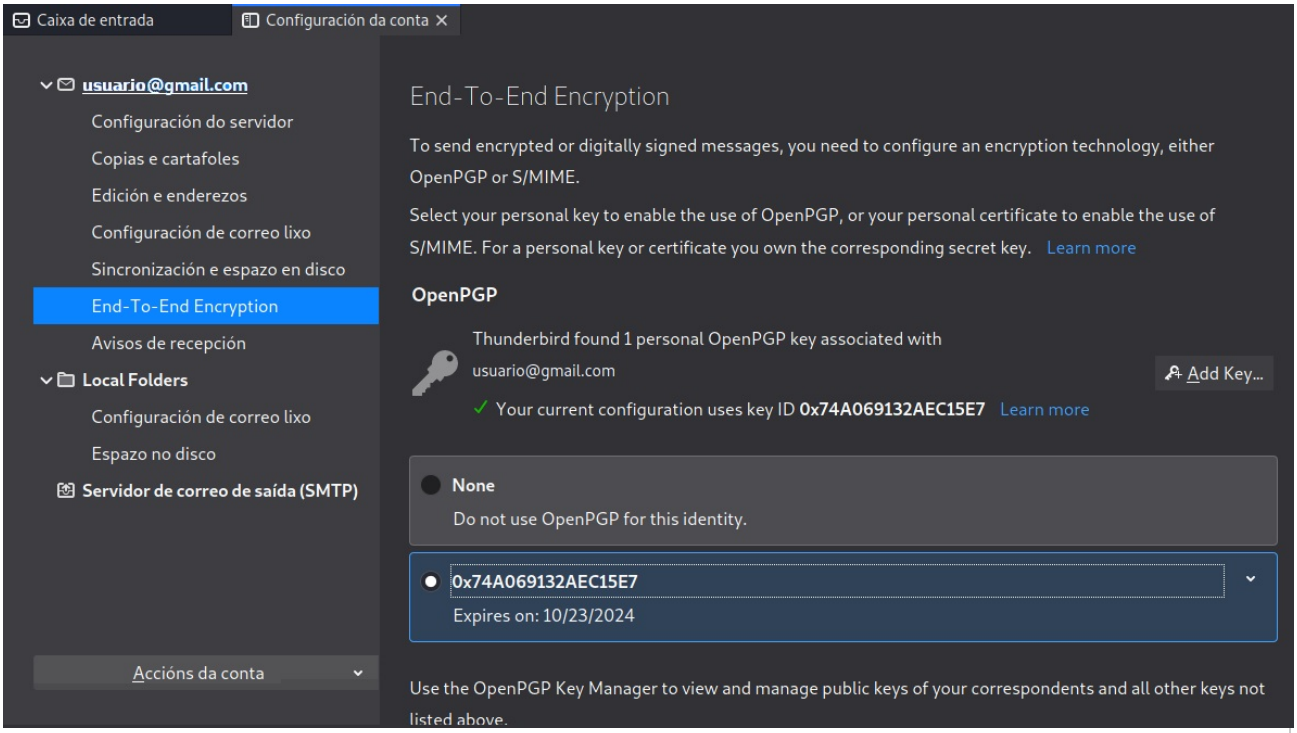


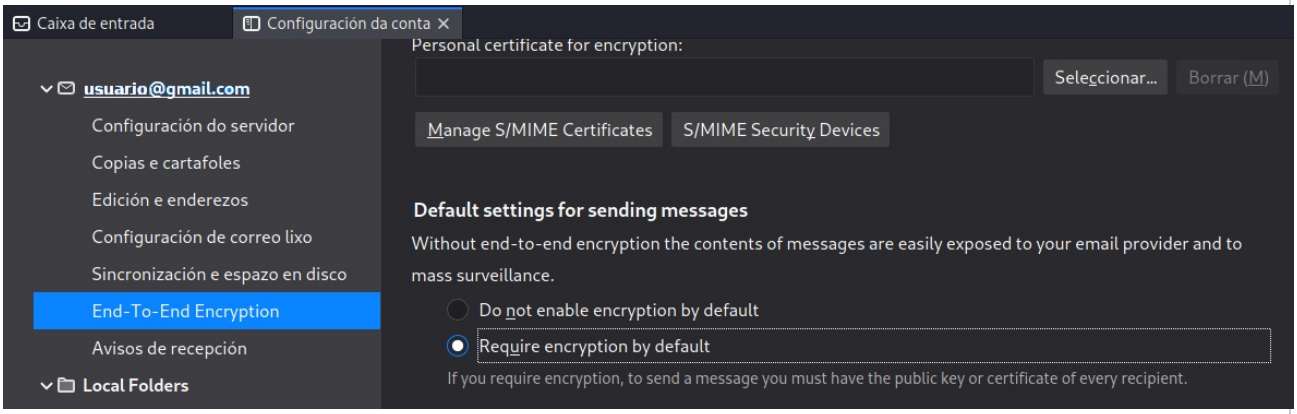


H. Configurar a conta para permitir cifrar(clave pública destinatario), descifrar(clave privada propia) e asinar correos(clave privada propia): Configuración da conta → End-To-End Encryption (Cifraxe de extremo a extremo) →






Caixa de entrada
Configuración da conta
usuario@gmail.com
Configuración do servidor
Copias e cartafoles
Edición e enderezos
Configuración de correo lixo
Sincronización e espazo en disco
End-To-End Encryption
Avisos de recepción
Local Folders
Configuración de correo lixo
Espazo no disco
Servidor de correo de saída (SMTP)
Accións da conta
End-To-End Encryption
To send encrypted or digitally signed messages, you need to configure an encryption technology, either OpenPGP or S/MIME.
Select your personal key to enable the use of OpenPGP, or your personal certificate to enable the use of S/MIME. For a personal key or certificate you own the corresponding secret key. Learn more
OpenPGP
Thunderbird found 1 personal OpenPGP key associated with usuario@gmail.com
Add Key...
Your current configuration uses key ID 0x74A069132AEC15E7 Learn more
None
Do not use OpenPGP for this identity.
0x74A069132AEC15E7
Expires on: 10/23/2024
Use the OpenPGP Key Manager to view and manage public keys of your correspondents and all other keys not listed above.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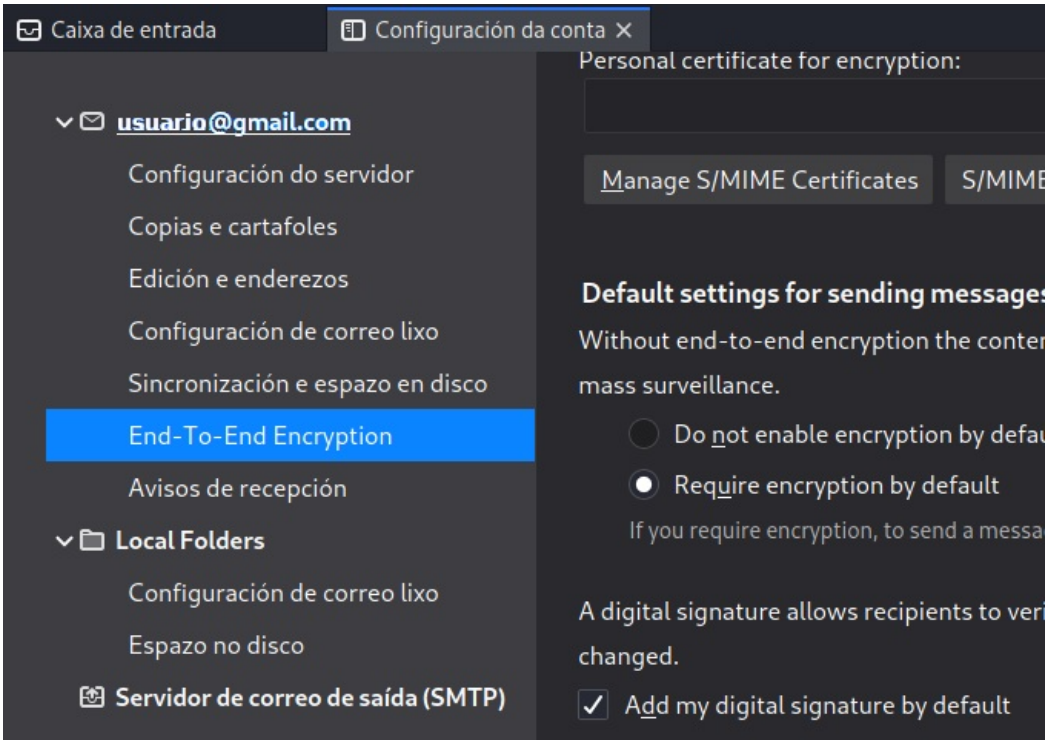
Copias e cartafoles
Edición e enderezos
Configuración de correo lixo
Sincronización e espazo en disco
End-To-End Encryption
Avisos de recepción
Local Folders
Personal certificate for encryption:
Seleccionar...
Borrar (M)
Manage S/MIME Certificates
S/MIME Security Devices
Default settings for sending messages
Without end-to-end encryption the contents of messages are easily exposed to your email provider and to mass surveillance.
Do not enable encryption by default
Require encryption by default
If you require encryption, to send a message you must have the public key or certificate of every recipient.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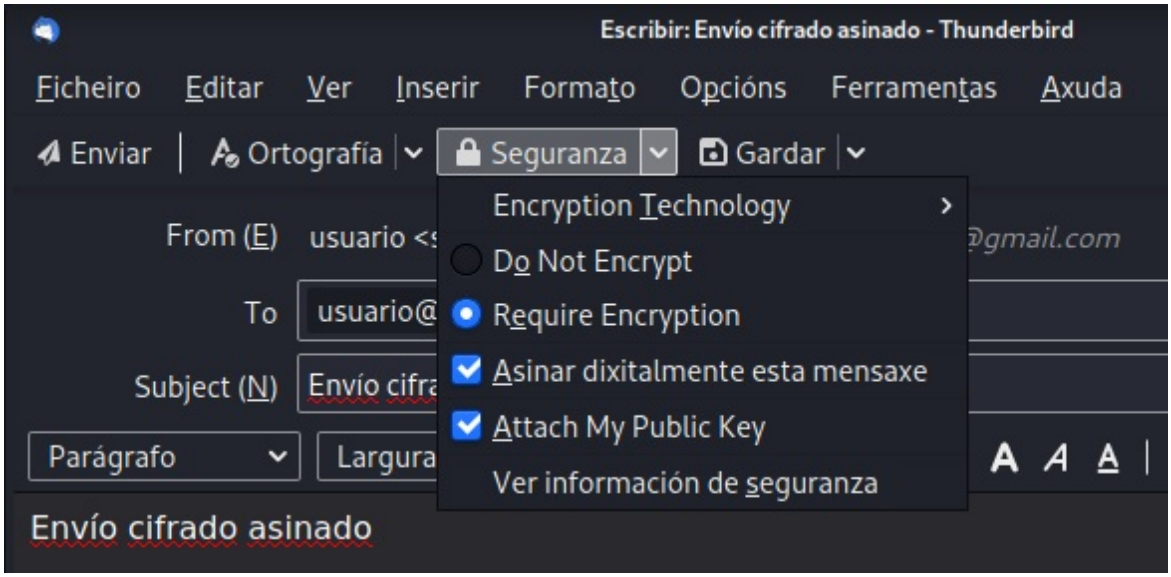
Espazo no disco
Servidor de correo de saída (SMTP)
Personal certificate for encryption:
Manage S/MIME Certificates
S/MIME
Default settings for sending messages
Without end-to-end encryption the conten
mass surveillance.
Do not enable encryption by defau
Require encryption by default
If you require encryption, to send a messa
A digital signature allows recipients to veri
changed.
Add my digital signature by default

3. **Enviar correo cifrado/asinado:** Escribir → Seguranza → Escoller a/s opción/s que interesen



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