# Configuración de repositorio git utilizando el servidor Git ELO-TEL

En la siguiente guía se muestran los pasos para realizar una clonación de repositorio desde el servidor "git.elo.utfsm.cl". Para esto se consideró un escenario con las siguientes condiciones:

- Sistema operativo Ubuntu 14.04.
- Estar dentro de la red de la UTFSM.
- Navegador Firefox.
- El usuario "ejemplo" tiene acceso al proyecto VAT.
- Paquetes instalados:
  - ° git.

#### Paso 1: Establecer el nombre del host.

Dado que el servidor dns común de la universidad aún no reconoce el servidor git, es necesario agregar los nombres del servidor al archivo /etc/hosts. Para ello ejecute las siguientes líneas:



Y en el editor de texto agregue las ultimas 2 líneas del siguiente ejemplo:



#### Paso 2: Activar cuenta

Para activar la cuenta, ingresar al enlace entregado por email.

La primera vez que ingrese al sitio, mostrará un mensaje avisando que la comunicación no es segura, esto se debe a que, de momento, el servidor está utilizando certificados "auto-firmados". Por ahora agregamos una excepción de seguridad:

<ul> <li>Add Security Exception</li> <li>Add Security Exception</li> <li>You are about to override how Firefox identifies this site. Legitimate banks, stores, and other public sites will not asky out of do this.</li> <li>Prove asked Firefox to connect securely, sit are going to the right place. However, this site</li> <li>What Should I Do?</li> <li>If you usually connect to this site without prob impersonate the site, and you shouldn't contin Get me out of here</li> <li>Technical Details</li> <li>If you understand what's going on, you can tell if you understand what's going on, you can tell if you trust the site, this error could mean</li> <li>Don't add an exception unless you know there's a good reason why this site doesn't use trusted</li> <li>Idet Exception</li> </ul>			
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Una vez establecida la clave, se tiene acceso al servidor.

GitLab Community Edition	Change your password	
Open source software to collaborate on code		
Manage git repositories with fine grained access controls that keep your code secure. Perform code reviews and enhance collaboration with merge requests. Each project can also have an	Change your password	
issue tracker and a wiki.	Didn't receive confirmation instructions? Already have login and password? <b>Sign in</b>	
Explore Documentation About GitLab		

## Paso 3: Agregar llave pública personal para identificación con el servidor

Una vez se haya iniciado la sesión, ingresar a "profile settings"->"SSH Keys" ->"Add SSH Key" tal como se muestra en la imagen.



• Precaución: Existen dos tipos de llaves públicas en el sitio. Comprobar que se encuentre en la sección "SSH Keys" y no en "Deploy Keys".

Si ya dispone de un par de llaves rsa, copie y pege el contenido de la llave pública en el recuadro Key.

Si no dispone de un par de llaves rsa, ejecute lo siguiente:

\$ ssh-keygen -t rsa -C "example@mail.com"

Donde "<u>example@mail.com</u>" es el correo desde el cual validó la cuenta.

El comando solicitará lugar donde almacenar la llave, si no desea un lugar específico, presione enter.

Luego requerirá un "passphrase", si lo desea puede agregar una clave, aunque tendrá que escribirla cada vez que quiera realizar push al servidor.

Creada la llave rsa, ejecutar lo siguiente para obtener la llave pública:

\$ cat ~/.ssh/id\_rsa.pub

Copiar todo lo que el comando retorna, tal como se muestra en la siguiente

imagen:

```
langelog@langelog:~$ cat .ssh/id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQDX7nquTF5nhnDTmCE8Mov+kBc6D8iKpA9KZx3e4szj0C2dkWQtH8XT2J
7dV15DM/2b8/OR6Yaty/vSRsGIWGi1HJtu1gS0IgJlaXQpIXCjNWry4WrBgFVbo7Ad3J+EXKTfxtEA0+YA3u+WMsy+vR2Z
Ywpug98qSWkXoUCrlh18A1elKpD1VYj+miE5VBtTkeRDN2cN3Yy0jVYKZJU9L+TA8rrzmpa8CNePx0G0VtgB7ZkanR53m/
ZNPr6Jdi9YjC7B0Ij876ERFu95Zjbo85eXxYSG/mthtq1wqGiHS8BqrVt0P+VaXPSUcYazrR68JlzNQVEJc0WidrgRFGfr
XIaJ luis_angelog@hotmail.com
```

## Pegar el contenido en el recuadro Key:

### Add an SSH Key

Paste your public key here. Read more about how to generate a key on the SSH help page.

Key	ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQDX7nquTF5nhnDTmCE8Mov+kBc6D8iKpA9KZx3e4szjOC2dkWQtH8XT2J7dV15D M/2b8/OR6Yaty /vSRsGIWGi1HJtu1gS0IgJlaXQpIXCjNWry4WrBgFVbo7Ad3J+EXKTfxtEA0+YA3u+WMsy+vR2ZYwpug98qSWkXoUCrlh18A1 elKpD1VYj+miE5VBtTkeRDN2cN3Yy0jVYKZJU9L+TA8rrzmpa8CNePx0G0VtgB7ZkanR53m /ZNPr6Jdi9YjC7B0Ij876ERFu95Zjbo85eXxYSG/mthtq1wqGiHS8BqrVt0P+VaXPSUcYazrR68JlzNQVEJc0WidrgRFGfrXIaJ luis_angelog@hotmail.com
Title	Example
	Add key Cancel

Poner nombre a la llave y presionar "Add key".

Finalmente su computador se encuentra autorizado para hacer clone y push a repositorios privados que el usuario tenga acceso.

## Paso 4: Clonar repositorio

Clone el proyecto en un directorio nuevo y asi evitar :

\$ git clone git@git.elo.utfsm.cl:VAT-group/vat-3-0.git

Y el repositorio se encuentra listo para usar.

Problemas conocidos en este punto:

- Si retorna "Agent admitted failure to sign using the key." ejecutar lo siguiente:
  - ° \$ eval "\$(ssh-agent -s)"
  - ° \$ ssh-add