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V85X

文档下载, <http://www.sochip.com.cn/v85x>

<ftp://sochip.com.cn>

id:V85x

pass:V85x\_TINA202207020927

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SDK 下载

[http://www.sochip.com.cn/v85x/index.php?title=Downloading\\_the\\_Source](http://www.sochip.com.cn/v85x/index.php?title=Downloading_the_Source)

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## Procedure for Developers

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1. The client generates the public key and private key pair as follows.  
客户参考下面生成公钥和密钥
2. Log in web <http://120.78.234.148:8099/> to register your Git lab ID  
登录网站 <http://120.78.234.148:8099/> 注册 Git lab 账号
3. Email your Git lab username, company name and project name to [developer@sochip.com.cn](mailto:developer@sochip.com.cn)  
将您的用户名, 公司名, 项目名称邮件发到 [developer@sochip.com.cn](mailto:developer@sochip.com.cn)
4. After Sochip administrator approval and send a confirmation email to you, you can use the ID to sign in.  
收到您的邮件后, 研发将授权您的账号可被使用

## How to Create A Public Key Private Key Pair

如何创建公钥和密钥

Execute the following commands on the terminal (BASH).

在 Bash 上执行如下命令

```
$ ssh-keygen -t rsa
```

## How to create Git lab account

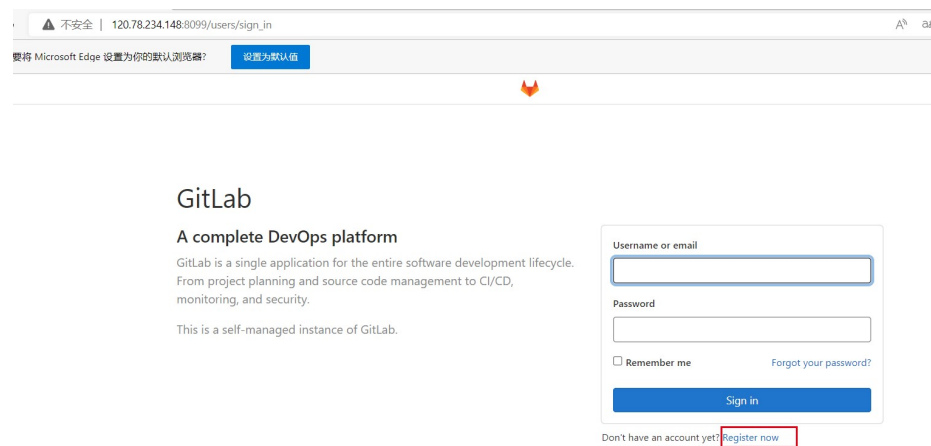
如何创建 Git lab 账号

1. Log in <http://120.78.234.148:8099>

登录网址 <http://120.78.234.148:8099>

2. Click Register now and fill all content to register your ID

点击注册，填写完整信息注册



The screenshot shows a web browser window with the address bar displaying "120.78.234.148:8099/users/sign\_in". Below the address bar is a notification bar from Microsoft Edge. The main content area features the GitLab logo and the text "A complete DevOps platform". Below this, it states "GitLab is a single application for the entire software development lifecycle. From project planning and source code management to CI/CD, monitoring, and security." and "This is a self-managed instance of GitLab." To the right is a login form with fields for "Username or email" and "Password". There is a "Remember me" checkbox and a "Forgot your password?" link. A blue "Sign in" button is at the bottom of the form. Below the form, there is a link "Don't have an account yet? Register now" where "Register now" is highlighted with a red box.

GitLab

A complete DevOps platform

GitLab is a single application for the entire software development lifecycle. From project planning and source code management to CI/CD, monitoring, and security.

This is a self-managed instance of GitLab.

Username or email

Password

☐ Remember me [Forgot your password?](#)

[Sign in](#)

Don't have an account yet? [Register now](#)

## GitLab

### A complete DevOps platform

GitLab is a single application for the entire software development lifecycle. From project planning and source code management to CI/CD, monitoring, and security.

This is a self-managed instance of GitLab.

First name	Last name
<input type="text"/>	<input type="text"/>
Username	
<input type="text"/>	
Email	
<input type="text"/>	
Password	
<input type="password"/>	
Minimum length is 8 characters.	
<input type="button" value="Register"/>	

Already have login and password? [Sign in](#)

3. After you finish all steps, Email your Git lab username, company name and project name to [developer@sochip.com.cn](mailto:developer@sochip.com.cn), after approval you can login in, or it will shows below information when you try to sign in

完成所有步骤后，将您的用户名，公司名，项目名称邮件发到

[developer@sochip.com.cn](mailto:developer@sochip.com.cn)，研发将授权您的账号可被使用，在未被授权之前登录不了

会有如下提示

Your account is pending approval from your GitLab administrator and hence blocked. Please contact your GitLab administrator if you think this is an error.

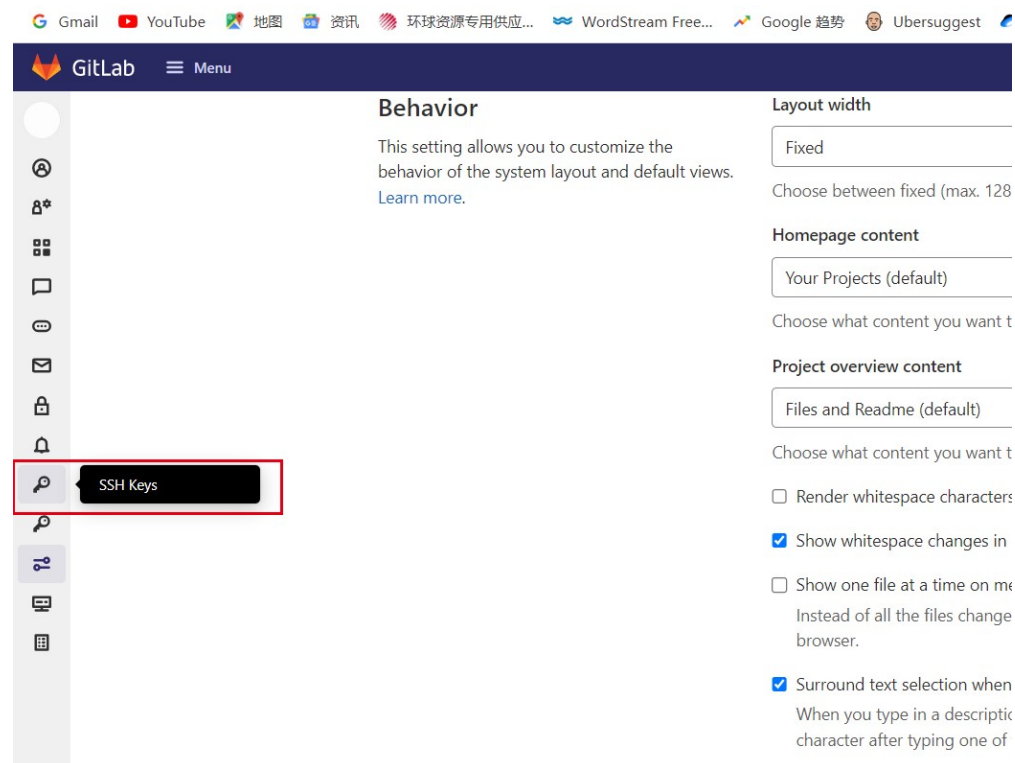
### How to get SSH private key

#### 如何获取 SSH 密钥

1. Click go to preferences 点击 go to preferences

The screenshot shows the GitLab web interface. At the top, there's a navigation bar with the GitLab logo and a menu icon. Below the navigation bar, there's a notification box with the text: "Do you want to customize this page? This page shows a list of your projects by default but it can be changed to show projects' and more. You can change this under 'Homepage content' in your preferences". A red box highlights the "Go to preferences" button. Below the notification box, there's a section titled "Projects". Under "Projects", there's a sub-section titled "Your projects" with a count of 115. To the right of "Your projects", there's a sub-section titled "Starred projects" with a count of 0. Further right, there's a link to "Explore projects". At the bottom of the screenshot, there's a tab labeled "Personal".

## 2. Click SSH KEYS 点击 SSH KEYS



2. Paste your public SSH key, which is usually contained in the file '~/.ssh/id\_ed25519.pub' or '~/.ssh/id\_rsa.pub' and begins with 'ssh-ed25519' or 'ssh-rsa'. Do not paste your private SSH key, as that can compromise your identity. 将公钥粘贴到如下框中，格式通常为 '~/.ssh/id\_ed25519.pub' or '~/.ssh/id\_rsa.pub' and begins with 'ssh-ed25519' or 'ssh-rsa'. 点击 ADD KEY （注意不要将私钥粘贴进去）

A screenshot of the 'Add an SSH key' form in GitLab. The form is titled 'Add an SSH key' and includes a subtitle: 'To add an SSH key you need to generate one or use an existing key.' Below this is a 'Key' section with instructions: 'Paste your public SSH key, which is usually contained in the file ~/.ssh/id\_ed25519.pub or ~/.ssh/id\_rsa.pub and begins with ssh-ed25519 or ssh-rsa. Do not paste your private SSH key, as that can compromise your identity.' A large text area for pasting the key is highlighted with a red box. Below the text area are two fields: 'Title' (with a placeholder 'e.g. My MacBook key') and 'Expires at' (with a placeholder '年/月/日'). Below these fields is an 'Add key' button, which is highlighted with a red box.

After that, you will get SSH private key like below, then you can start download SDK as follows:  
之后将生成密钥

您的SSH密钥(1)

snake@dell-PowerEdge-R730

bb:45:4f:24:8d:ce:1d:c4:c7:80:7b:e4:59:a8:f9:6b



## 1.Installation Of Repo 安装 Repo

Repo is a tool that lets you use git in a Tina environment easily and happily.

Repo 是一款能让您在 Tina 环境轻松使用 git 的工具

```
$ git clone git@120.78.234.148:git_repo/repo.git
```

```
$ cp repo/repo /bin/repo
```

```
$ chmod a+x /bin/repo
```

### Initialize The Repo Client 下载客户端

After installing Repo, config your client settings to access the Tina source code, and configure Git with your real name and email address. 下载 Repo 后, 设置您的客户端来获取 Tina 源代码, 并用您的真实姓名和电子邮件地址配置 Git

```
$ mkdir ~/v853-sdk
```

```
$ cd ~/v853-sdk
```

```
$ git config --global user.name "Your Name"
```

```
$ git config --global user.email "you@example.com"
```

### Download EVB SDK 下载开发板 SDK

```
$ cd ~/v853-sdk
```

```
$ repo init -u git@120.78.234.148:v85x-sdk/manifests.git -b master -m
```

```
tina-v853.xml
```

```
$ repo sync
```

```
$ repo start v853-sdk --all
```

V851S

SC1721V-MB-V00-2207280

### Complete Compilation

- Access to the SDK source code directory.

```
$ cd v85x-sdk/
```

- Import compilation environment configuration.

```
$ source build/envsetup.sh  
$ lunch
```

You're building on Linux

Lunch menu... pick a combo:

1. v851se\_perfl-tina
2. v851se\_sc1716v-tina
3. v851s\_perfl-tina
4. v851s\_sc1721v-tina
5. v853\_perfl-tina
6. v853\_perf2-tina
7. v853s\_perfl-tina
8. v853s\_perf2-tina
9. v853s\_sc1718v-tina
10. v853\_vision-tina