

An abstract composition on a dark gray background. It features several diagonal lines: a white line in the upper left, a longer white line below it, a gray line in the lower left, and a red line in the lower right. The word 'Substrate' is written in orange in the upper right, and 'River' is written in orange in the lower center.

Substrate

River



Basic-001

Creating a module

<https://substrate.dev/substrate-collectables-workshop/#/1/creating-a-module>



新建文件: [substratekitties.rs](#)



	src	
		lib.rs
		substratekitties.rs
	L	template.rs



内容: [substratekitties.rs](https://github.com/substratekitties/substratekitties.rs)



```
use support::{decl_storage, decl_module};
```

```
pub trait Trait: system::Trait {}
```

```
decl_storage! {
```

```
    trait Store for Module<T: Trait> as Substratekitties {
```

```
        // Declare storage and getter functions here
```

```
        // 定义数据
```

```
    }
```

```
}
```

```
decl_module! {
```

```
    pub struct Module<T: Trait> for enum Call where origin: T::Origin {
```

```
        // Declare public functions here
```

```
        // 定义功能函数
```

```
    }
```

```
}
```



配置: [lib.rs](#)



1- 引入mod文件

```
mod substratekitties;
```

2- 实现Trait

```
impl substratekitties::Trait for Runtime {}
```

3- 添加mod到construct_runtime!

```
Substratekitties: substratekitties::{Module, Call, Storage},
```



编译

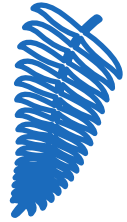


`./scripts/build.sh`

`cargo build --release`



第二种实现方式：复制[template.rs](#)文件



对应的配置和上边的方法类似

演示

The image features a dark gray background with several diagonal lines. A white line starts from the left edge and extends towards the top right. A second white line is parallel to the first, starting further to the right and also extending towards the top right. A gray line starts from the bottom left and extends towards the top right. A red line starts from the bottom left and extends towards the top right, positioned below the gray line. The text 'Substrate' is written in a bold, orange, sans-serif font, positioned between the two white lines.

Substrate

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Thanks