修改Configuration类,添加teebb upload配置项:

```
teebb_upload:
    upload_dir: '%kernel.project_dir%/public/teebb_upload'
    # 期待增加的配置项
    namer: 这里是ServiceId, 但是我们的HashNamer可以设置一些选项
    service: serviceId
    options: []
    storage: 这里是ServiceId
```

在修改Configuration类之前,我们再次修改xml文件,把服务类的全类名也设置为ServiceId

```
<?xml version="1.0" encoding="utf-8" ?>
<container xmlns="http://symfony.com/schema/dic/services"</pre>
           xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
           xsi:schemaLocation="http://symfony.com/schema/dic/services
http://symfony.com/schema/dic/services/services-1.0.xsd">
    <services>
        <service id="Teebb\UploadBundle\Namer\PhpNamer" public="true"/>
        <service id="teebb.upload.namer.php_namer"</pre>
alias="Teebb\UploadBundle\Namer\PhpNamer" public="true"/>
        <service id="Teebb\UploadBundle\Namer\HashNamer" public="true"/>
        <service id="teebb.upload.namer.hash namer"</pre>
alias="Teebb\UploadBundle\Namer\HashNamer" public="true"/>
    </services>
</container>
<?xml version="1.0" encoding="utf-8" ?>
<container xmlns="http://symfony.com/schema/dic/services"</pre>
           xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
           xsi:schemaLocation="http://symfony.com/schema/dic/services
http://symfony.com/schema/dic/services/services-1.0.xsd">
    <services>
        <service id="Teebb\UploadBundle\Storage\FileSystemStorage"</pre>
public="true"/>
        <service id="teebb.upload.storage.file_system_storage"</pre>
alias="Teebb\UploadBundle\Storage\FileSystemStorage"
                  public="true"/>
    </services>
</container>
```

最终:

```
class Configuration implements ConfigurationInterface
{
```

```
public function getConfigTreeBuilder()
    {
        $builder = new TreeBuilder('teebb_upload');
        if (\method exists($builder, 'getRootNode')) {
            $rootNode = $builder->getRootNode();
        } else {
            // BC layer for symfony/config 4.1 and older
            $rootNode = $builder->root('teebb upload');
        }
        $rootNode
            ->children()
                ->scalarNode('upload_dir')->isRequired()->cannotBeEmpty()-
>end()
                ->arrayNode('namer')
                    ->addDefaultsIfNotSet()
                    ->beforeNormalization()
                        ->ifString()
                        ->then(static function($value){
                            return ['service' => $value, 'options' => []];
                        })
                    ->end()
                    ->children()
                        ->scalarNode('service')-
>defaultValue('teebb.upload.namer.php_namer')->end()
                        ->variableNode('options')->defaultNull()->end()
                    ->end()
                ->end()
                ->scalarNode('storage')-
>defaultValue('teebb.upload.storage.file_system_storage')->end()
            ->end()
        return $builder;
    }
}
```

使用symfony console debug:config teebb_upload 实际的值:

```
teebb_upload:
    upload_dir: '/Volumes/CODE/Symfony Bundle课
程/teebblog/public/teebb_upload'
    namer:
        service: teebb.upload.namer.php_namer
        options: null
    storage: teebb.upload.storage.file_system_storage
```

修改Extension类

```
class TeebbUploadExtension extends Extension
   public function load(array $configs, ContainerBuilder $container)
    {
       . . .
       //改这里
       //如果namer配置的options不为空,那么先配置服务类让服务类一初始化就执行
`configure()`方法
       $namerServiceId = $config['namer']['service'];
       if ($options = $config['namer']['options'])
           $namerServiceDefinition = $container-
>getDefinition($namerServiceId);
           //注意:这里方法的参数是数组
           $namerServiceDefinition->addMethodCall('configure',
[$options]);
       }
       //最后把Handler添加到容器, Handler有构造参数, 所以先定义再添加到容器
       $handlerDefinition = new Definition(UploadHandler::class);
       $handlerDefinition→setArgument(0, new
Reference($config['storage']));
       $handlerDefinition->setArgument(1, $config['upload dir']);
       $handlerDefinition->setArgument(2, new
Reference($namerServiceId));
       $container->setDefinition(UploadHandler::class,
$handlerDefinition);
    }
}
```

修改Teebblog项目中的teebb_upload.yaml

```
teebb_upload:
    upload_dir: '%kernel.project_dir%/public/teebb_upload'
    namer:
        service: Teebb\UploadBundle\Namer\HashNamer
        options:
        algorithm: sha1
        length: 10
```

上传一个新文件,看看文件最后的名称,文件名已经生效了。

下节课讲Symfony的自动配置。