

# Captcha

## Business Disaster Recovery Scheme

### Product Documentation



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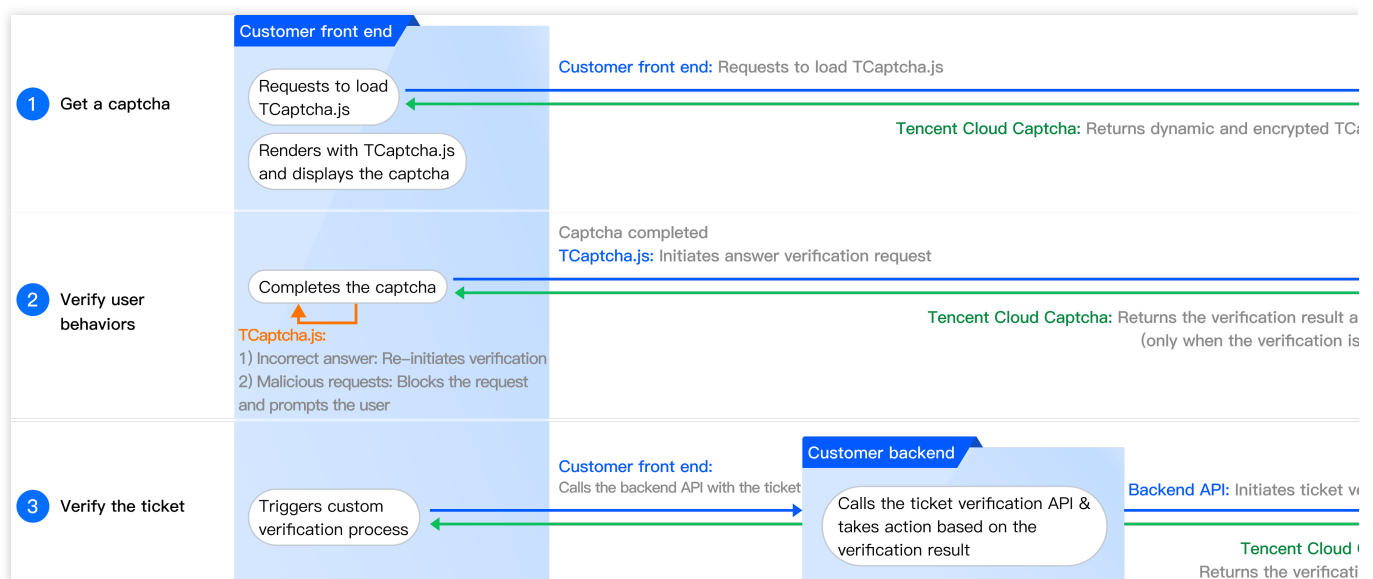
# Business Disaster Recovery Scheme

## Business Disaster Recovery Scheme (Web and App)

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### Business request process

The CAPTCHA request process involves the interaction between the business client (frontend), business server (backend), and Captcha server. The sequence diagram of calls is shown as follows:



To ensure that customers' business processes run normally in case of an exception in the Captcha server, we provide the following business disaster recovery schemes.

#### Note:

No billing is incurred when verifying any disaster recovery tickets generated in the disaster recovery schemes.

### Business client (frontend) disaster recovery

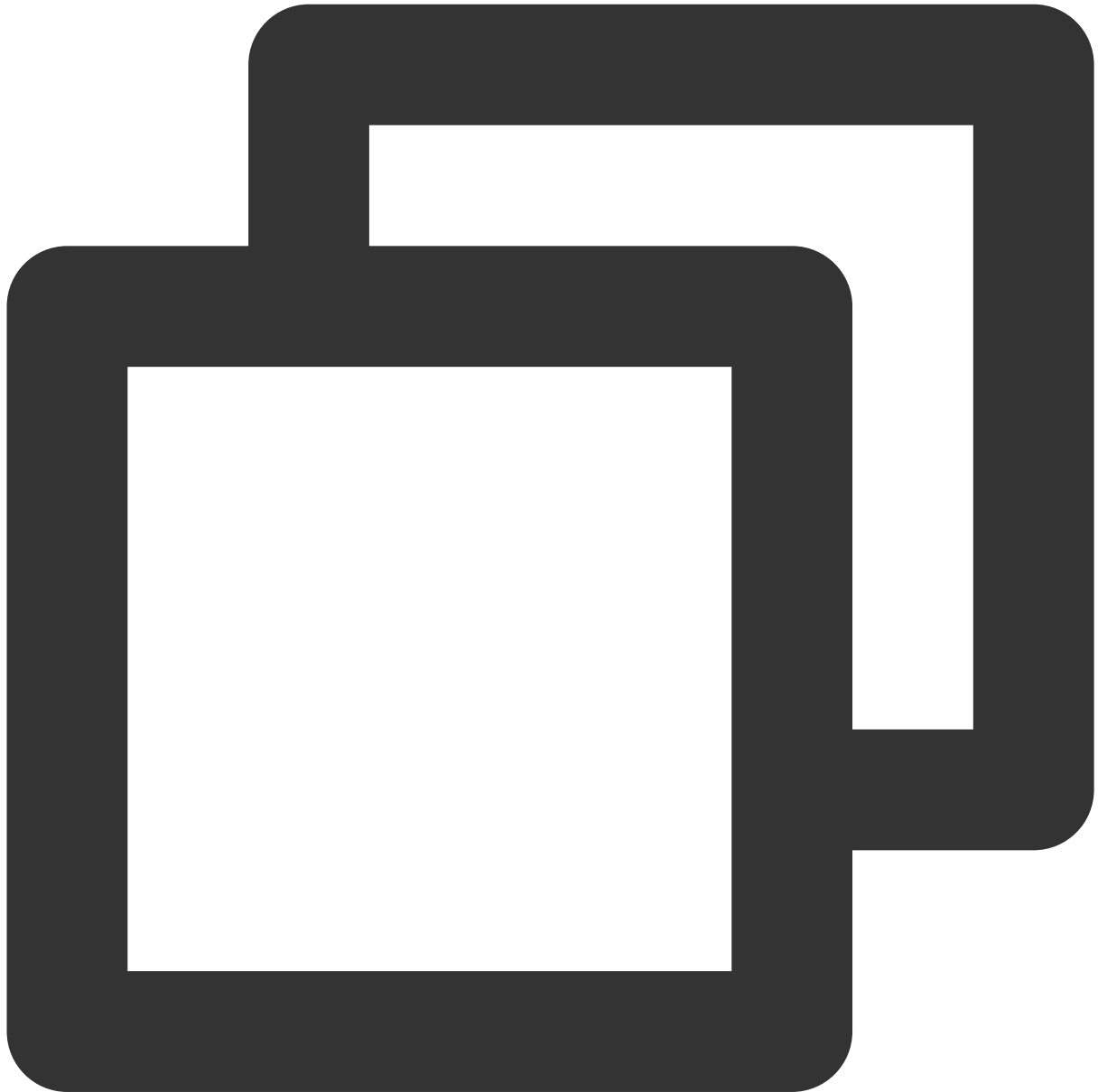
1. Define the JS load error handling function.



```
// The error handling function ensures that event processes run normally in case of
// Define the function before the script loads
function loadErrorCallback() {
    var appid = 'CaptchaAppId';
    // Generate a disaster recovery ticket or use another handling technique
    var ticket = 'terror_1001_' + appid + '_' + Math.floor(new Date().getTime() / 1
    callback({
        ret: 0,
        randstr: '@' + Math.random().toString(36).substr(2),
        ticket,
        errorCode: 1001,
```

```
        errorMessage: 'jsload_error',  
    });  
}
```

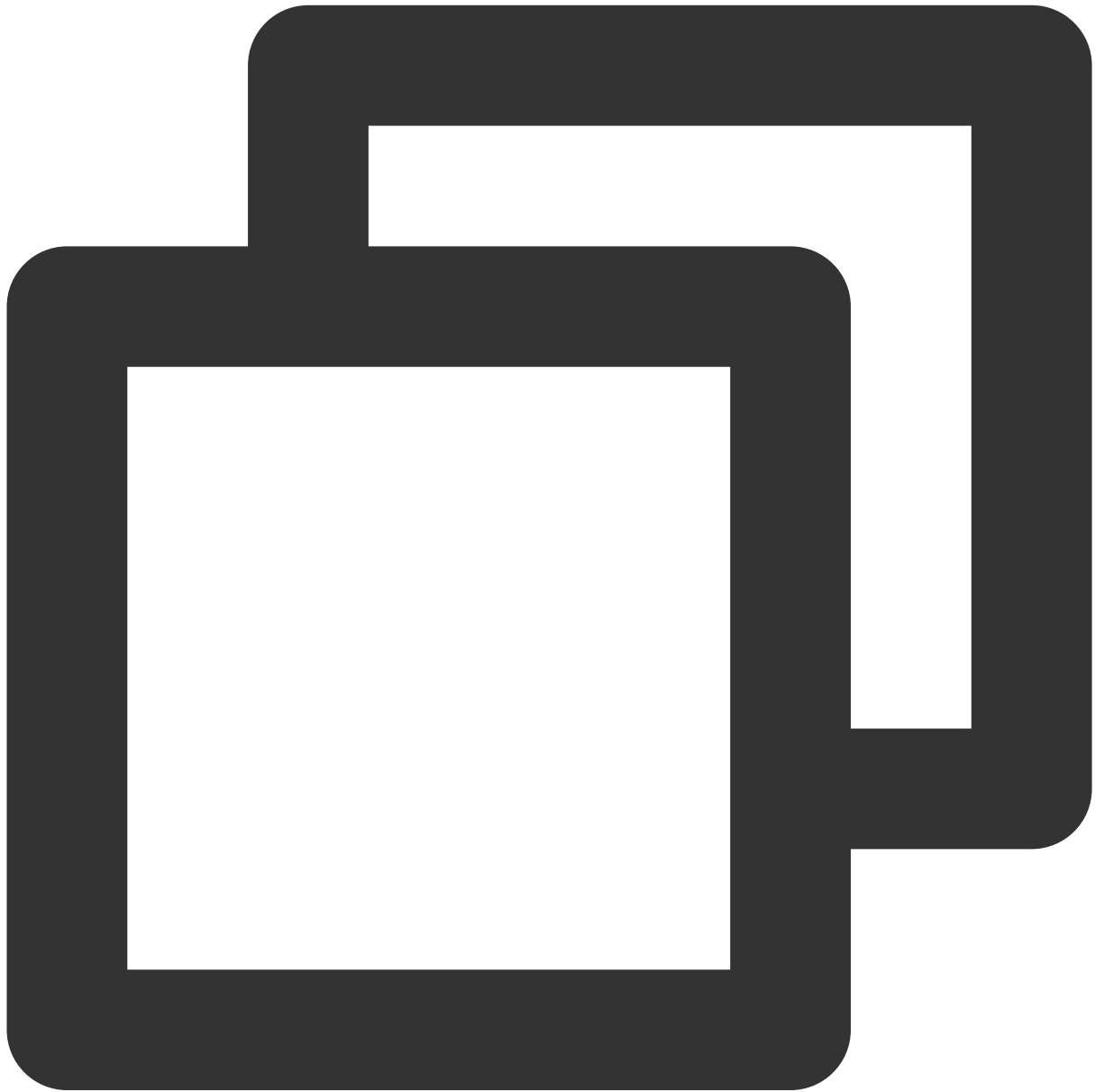
2. Call the JS load error handling function if an error is caught during the CAPTCHA instance call.



```
try {  
    // Generate a CAPTCHA object  
    var captcha = new TencentCaptcha('Your CAPTCHA's CaptchaAppId', callback, {});  
    // Call the method to show the CAPTCHA  
    captcha.show();  
} catch (error) {
```

```
// Load error. Call the CAPTCHA js load error handling function.  
loadErrorCallback();  
}
```

3. Define the CAPTCHA callback function so the handling is based on ticket and errorCode (instead of ret). For errorCode definitions, please see [Web Frontend Integration](#).



```
function callback(res) {  
  // res (CAPTCHA is closed by the user) = {ret: 2, ticket: null}  
  // res (Verification is successful) = {ret: 0, ticket: "String", randstr: "Stri  
  // res (Request error. A disaster recovery ticket with the prefix terror_ is re
```

```
if (res.ticket){
    // Handle based on errorCode
    if(res.errorCode === xxxxx){
        // Customize the disaster recovery logic (for example, skip this verific
    }
}
}
```

## Business server (backend) disaster recovery

In case of an exception when requesting the **ticket verification API**, the business server needs to handle the exception (for example, skip this verification) to avoid affecting business processes due to abnormal API responses, request timeouts, or the service not responding. **The following are some abnormal responses that require disaster recovery on the business side.**

Request timeout or service not responding.

Exception returned. Code is InternalError. Example:





```
{
  "Response": {
    "Error": {
      "Code": "InternalServerError",
      "Message": "An internal error has occurred. Retry your request. If the pr",
    },
    "RequestId": "xxxxxxxxxxxx"
  }
}
```

Service internal error. CaptchaCode is 26. Example:



```
{
  "Response": {
    "CaptchaCode": 26,
    "CaptchaMsg": "System busy. For more information, please see the TenDI Captcha",
    "EvilLevel": 0,
    "GetCaptchaTime": 0,
    "RequestId": "xxxxxxxxxxxx"
  },
  "retcode": 0,
  "retmsg": "ok"
}
```

---

## More information

You can log in to the [Captcha console](#), and click **Quick Consulting** in the upper right corner to learn more.