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GTcaptcha4SessionTaskDelegate

Captcha Session Task Delegate

gtCaptchaSession:didReceive:result:

Callback result parameters of captcha session.

Declaration

```
- (void)gtCaptchaSession:(GTcaptcha4Session *)captchaSession  
    didReceive:(NSString *)status  
    result:(nullable NSDictionary *)result;
```

Parameters

| Param | Description |
|----------------|--|
| captchaSession | Captcha session |
| status | Status code. @ "0"/@ "1": Not finished/finished. When status is @ "1", it is successful, and the result needs to be secondary validated. |
| result | Result verification parameters. |

Discussion

After getting the parameters of verification results, they need to be submitted to the business server to complete the verification of parameters.

Result sample:

```
{  
    pass_token =  
    "eb6d2e064524ae96ddc99a0e6e15f95dbb234008d108f0db269f27d426bcf3c6";  
    gen_time = "1660894030";  
    captcha_output =  
    "fI9I34MDjVi10gJO_EqXwNpN8hK0rYLEPVWSDE4W6kc1umDoTHIiLD_t6YQNNpPG2tJlKR8he6WFWkk1"
```

```
LU8goGeNVN0zhqmAm256BpK8qAEHNr0jHzkNagfIcx_A21ssPrG6YlnnHfX3PfBnbrn5fb2aKDIi0I5x
mCUjxq0dsFuANLIQVt1lMjkJ7-1l_j-Wz";
    captcha_id = "647f5ed2ed8acb4be36784e01556bb71";
    lot_number = "0861c607d519469b9117d0c6dd551fe3";
}
```

gtCaptchaSession:didReceiveError:

Callback errors that occurred in the captcha session.

Declaration

```
- (void)gtCaptchaSession:(GTCaptcha4Session *)captchaSession
    didReceiveError:(GTC4Error *)error;
```

Parameters

| Param | Description |
|----------------|--------------------------|
| captchaSession | Captcha session |
| error | Error description object |

See also [GTC4Error](#)

GTcaptcha4Session

Captcha session

delegate

Captcha session task delegate.

Declaration

```
@property (nonatomic, weak) id<GTcaptcha4SessionTaskDelegate> delegate;
```

captchaID

The captcha ID of the current captcha session.

Declaration

```
@property (nonnull, readonly, nonatomic, strong) NSString *captchaID;
```

challenge

The serial number of the current captcha session.

Declaration

```
@property (nullable, readonly, nonatomic, strong) NSString *challenge;
```

configuration

Configuration of the current captcha session.

Declaration

```
@property (nonnull, readonly, nonatomic, strong) GTCaptcha4SessionConfiguration *configuration;
```

sessionWithCaptchaID:

Create a new captcha session instance.

Declaration

```
+ (instancetype)sessionWithCaptchaID:(NSString *)captchaID;
```

Parameters

| | |
|--|--|
| | |
|--|--|

| Param | Description |
|-----------|-------------|
| captchaID | Captcha ID |

Return Value is a new `GTcaptcha4Session` instance

sessionWithCaptchaID:configuration:

Create a new captcha session instance.

Declaration

```
+ (instancetype)sessionWithCaptchaID:(NSString *)captchaID
                             configuration:(nullable GTcaptcha4SessionConfiguration *)configuration;
```

| Param | Description |
|---------------|-------------------|
| captchaID | Captcha ID |
| configuration | Configure session |

Return Value is a new `GTcaptcha4Session` instance

initWithCaptchaID:

Create a new captcha session instance.

Declaration

```
- (instancetype)initWithCaptchaID:(NSString *)captchaID;
```

| Param | Description |
|-----------|-------------|
| captchaID | Captcha ID |

Return Value is a new `GTcaptcha4Session` instance

initWithCaptchalD:configuration:

Create a new captcha session instance.

Declaration

```
- (instancetype)initWithCaptchalD:(NSString *)captchalD
                        configuration:(nullable GTCaptcha4SessionConfiguration *)configuration;
```

| Param | Description |
|---------------|-------------------|
| captchalD | Captcha ID |
| configuration | Configure session |

Return Value is a new GTCaptcha4Session instance

verify

Start verification

Declaration

```
- (void)verify;
```

cancel

Cancel verification

Declaration

```
- (void)verify;
```

sdkVersion

Obtain the SDK version number.

Declaration

```
+ (NSString *)sdkVersion;
```

GTCaptcha4SessionConfiguration

Captcha session configuration

GTC4UserInterfaceStyle

Verify the interface style.

Declaration

```
typedef NS_ENUM(NSInteger, GTC4UserInterfaceStyle) {  
  
    /** Follow system */  
    GTC4UserInterfaceStyleSystem = 0,  
  
    /** Light */  
    GTC4UserInterfaceStyleLight,  
  
    /** Dark */  
    GTC4UserInterfaceStyleDark,  
  
    /** Default */  
    GTC4UserInterfaceStyleDefault = GTC4UserInterfaceStyleLight  
  
};
```

resourcePath

The full path of remote access to static resources, which is empty by default.

Declaration

```
@property (nullable, nonatomic, strong) NSString *resourcePath;
```

protocol

Protocol for remote access to static resources, default is @ "https".

Declaration

```
@property (nonatomic, strong) NSString *protocol;
```

userInterfaceStyle

User interface and statusBar style, which is white by default.

Declaration

```
@property (nonatomic, assign) GTC4UserInterfaceStyle userInterfaceStyle;
```

backgroundColor

The background color is transparent by default.

Declaration

```
@property (nonatomic, strong) UIColor *backgroundColor;
```

debugEnable

Debug is disabled by default.

Declaration

```
@property (nonatomic, assign) BOOL debugEnable;
```


backgroundUserInteractionEnabled

Background user interaction is enabled by default.

Declaration

```
@property (nonatomic, assign) BOOL backgroundUserInteractionEnabled;
```

timeout

Request timeout is 8 seconds by default.

Declaration

```
@property (nonatomic, assign) NSTimeInterval timeout;
```

language

Language is the system language by default. Please refer to the language short code for setting the language.

Declaration

```
@property (nonatomic, strong) NSString *language;
```

supportedInterfaceOrientations

The supported interface orientations.

Declaration

```
@property (assign, nonatomic) UIInterfaceOrientationMask  
supportedInterfaceOrientations;
```

additionalParameter

Additional parameters, which are empty by default. Parameters will be assembled and submitted to the GeeTest.

Declaration

```
@property (nullable, nonatomic, strong) NSDictionary *additionalParameter;
```

Discussion

Supported key-values:

| Key | Type | Description | Default Value |
|--------------|--------------------|---|--------------------|
| @loading | NSString | Status indicator of custom loading, the relative path of loading resource of html is loaded by Webview. The empty string refers to cancel the effect of loading | @./gt4-loading.gif |
| @rem | NSNumber | Set the overall scaling ratio of the captcha | @(1) |
| @hideBar | NSArray<NSString*> | Hide the "close" button and "refresh" button. Hides close and refresh button, if set @[@"close", @"refresh"] . | @[] |
| @nextWidth | NSString | The width of the captcha pop-up window. The unit is needed, such as @"300px". | nil |
| @riskType | NSString | Combined with Direct Platform Integration, specify the CAPTCHA form. | nil |
| @hideSuccess | NSNumber | Hide the popup window of verification success. | @(0) |

Sample Code

```
#define captchaID @"1234567890abcdef"

GTCaptcha4SessionConfiguration *config = [GTCaptcha4SessionConfiguration
defaultConfiguration];

NSMutableDictionary *params = [{} mutableCopy];
[params setValue:@(1.25) forKey:@"rem"]; // Zoom 1.25x
[params setValue:@[@"close", @"refresh"] forKey:@"hideBar"]; // Hide the
"close" button and "refresh" button
[params setValue:@"300px" forKey:@"nextWidth"];
[params setValue:@"click" forKey:@"riskType"]; // specify a
captcha type, it has to consistent with the back-end configuration
[params setValue:@(1) forKey:@"hideSuccess"]; // using
NSNumber for boolean values
[params setValue:@("./gt4-loading.gif" forKey:@"loading"];

config.additionalParameter = params;

GTCaptcha4Session *captchaSession = [GTCaptcha4Session
sessionWithCaptchaID:captchaID configuration:config];
...
```

defaultConfiguration

Get a default configuration.

Declaration

```
+ (GTCaptcha4SessionConfiguration *)defaultConfiguration;
```

Return Value

```
+ (GTCaptcha4SessionConfiguration *)defaultConfiguration {

    GTCaptcha4SessionConfiguration *config = [[GTCaptcha4SessionConfiguration
alloc] init];
    config.debugEnable = NO;
    config.timeout = 8.0;
    config.language = [GTC4Utils systemLanguage];
```

```
config.protocol      = @"https";
config.userInterfaceStyle = GTC4UserInterfaceStyleDefault;
config.backgroundColor = [UIColor clearColor];
config.backgroundUserInteractionEnable = YES;

return config;
}
```

GTC4Error

Error description object

```
/// Illegal parameter. Please check the parameters you entered.

FOUNDATION_EXPORT NSString * const GTC4ErrorCodeInvalidParameter;

/// Operation failed. Check the description in detail.

FOUNDATION_EXPORT NSString * const GTC4ErrorCodeOperationFail;

/// Lack of resources. Please check if the `GTCaptcha4.bundle` file is imported
correctly.

FOUNDATION_EXPORT NSString * const GTC4ErrorCodeMissedResource;


/// Verification is canceled by the user.

FOUNDATION_EXPORT NSString * const GTC4ErrorCodeUserDidCancel;


/// Failed to load file. Please check if the `GTCaptcha4.bundle` file is
complete or if the configured remote static resource is accessible.

FOUNDATION_EXPORT NSString * const GTC4ErrorCodeLoadFileFailure;


/// Load timeout.
```

```
FOUNDATION_EXPORT NSString * const GTC4ErrorCodeTimeout;

/// Evaluating javascript script fail.

FOUNDATION_EXPORT NSString * const GTC4ErrorCodeEvaluatingJavascriptFail;


/// Javascript returns an error.

FOUNDATION_EXPORT NSString * const GTC4ErrorCodeJavascriptError;

/// WebView memory warning.

FOUNDATION_EXPORT NSString * const GTC4ErrorCodeWebViewMemoryWarning;


/// Unknown error.

FOUNDATION_EXPORT NSString * const GTC4ErrorCodeUnknown;
```

code

Error code, and can be used for matching processing.

Declaration

```
@property (readonly, nonatomic, strong) NSString *code;
```

See also the error code list above

msg

Error message which can be used to display on user interface.

Declaration

```
@property (readonly, nonatomic, strong) NSString *msg;
```

desc

Detailed description of the error, which is used to troubleshoot problems in detail.

Declaration

```
@property (readonly, nonatomic, strong) NSDictionary *desc;
```

Discussion

Support users' operational problems with captcha.