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GTcaptcha4SessionTaskDelegate

验证会话任务代理协议

gtCaptchaSession:didReceive:result:

回调验证会话的结果参数。

Declaration

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

Parameters

Param	Description
captchaSession	验证会话
status	状态码。@"0"/@"1": 未完成/完成。 当 status 为 @"1" 时，则为成功，需要对结果进行二次校验。
result	结果校验参数。

Discussion

拿到验证结果的参数后，需要提交到业务服务端，完成参数的校验。 `result` 示例：

```
{
    pass_token =
"eb6d2e064524ae96ddc99a0e6e15f95dbb234008d108f0db269f27d426bcf3c6";
    gen_time = "1660894030";
    captcha_output =
"fI9I34MDjVi10gJO_EqXwNpN8hK0rYLEPVWSDE4W6kc1umDoTHIiD_t6YQNNpPG2tJlKR8he6WFWkk1
lU8goGeNVN0zhqmAm256BpK8qAEHNr0jHzkNagfIcx_A21ssPrG6YlnnHFx3PfBnbrn5fb2aKDIi0I5x
mCUjxq0dsFuANLIQVtllMjkJ7-1l_j-Wz";
    captcha_id = "647f5ed2ed8acb4be36784e01556bb71";
    lot_number = "0861c607d519469b9117d0c6dd551fe3";
}
```

gtCaptchaSession:didReceiveError:

回调验证会话中发生的错误。

Declaration

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

Parameters

Param	Description
captchaSession	验证会话
error	错误描述对象

Seealso

[GTC4Error](#)

GTCaptcha4Session

验证会话

delegate

验证会话任务代理。

Declaration

```
@property (nonatomic, weak) id<GTCaptcha4SessionTaskDelegate> delegate;
```

captchaID

当前验证会话的验证 ID。

Declaration

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

challenge

当前验证会话的流水号。

Declaration

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

configuration

当前验证会话的配置。

Declaration

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

sessionWithCaptchaID:

创建一个新的验证会话实例。

Declaration

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

Parameters

Param	Description
captchaID	验证ID

Return Value

一个新的 `GTcaptcha4Session` 实例

sessionWithCaptchalD:configuration:

创建一个新的验证会话实例。

Declaration

```
+ (instancetype)sessionWithCaptchalD:(NSString *)captchalD
                        configuration:(nullable GTcaptcha4SessionConfiguration
*)configuration;
```

Param	Description
captchalD	验证ID
configuration	会话配置

Return Value

一个新的 `GTcaptcha4Session` 实例

initWithCaptchalD:

创建一个新的验证会话实例。

Declaration

```
- (instancetype)initWithCaptchalD:(NSString *)captchalD;
```

Parameters

Param	Description
captchalD	验证ID

Return Value

一个新的 `GTcaptcha4Session` 实例

initWithCaptchalD:configuration:

创建一个新的验证会话实例。

Declaration

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

Param	Description
captchalD	验证ID
configuration	会话配置

Return Value

一个新的 `GTCaptcha4Session` 实例

verify

开始验证。

Declaration

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

cancel

取消验证。

Declaration

```
- (void)cancel;
```

sdkVersion

获取 SDK 版本号。

Declaration

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

GTcaptcha4SessionConfiguration

验证会话配置

GTC4UserInterfaceStyle

验证界面样式。

Declaration

```
typedef NS_ENUM(NSInteger, GTC4UserInterfaceStyle) {  
    /** 跟随系统样式 */  
    GTC4UserInterfaceStyleSystem = 0,  
    /** 普通样式 */  
    GTC4UserInterfaceStyleLight,  
    /** 暗黑样式 */  
    GTC4UserInterfaceStyleDark,  
    /** 默认样式 */  
    GTC4UserInterfaceStyleDefault = GTC4UserInterfaceStyleLight  
};
```

resourcePath

远程访问静态资源的完整路径, 默认为空。

Declaration

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

protocol

远程访问静态资源时的协议，默认 @“https”。

Declaration

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

userInterfaceStyle

界面和状态栏样式，默认普通白色。

Declaration

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

backgroundColor

背景颜色，默认透明。

Declaration

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

debugEnable

调试模式开关，默认关闭。

Declaration

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

backgroundUserInteractionEnabled

点击背景的交互，默认开启。

Declaration

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

timeout

请求超时时长，默认 8 秒。

Declaration

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

language

语言，默认跟随系统。指定语言请参考语言短码。

Declaration

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

supportedInterfaceOrientations

支持的横竖屏方向。

Declaration

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

additionalParameter

额外的参数, 默认为空。参数将被组装后提交到极验。

Declaration

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

Discussion

支持的键值列表如下：

Key	Type	Description	Default Value
@loading	NSString	自定义加载中的状态指示器，WebView 加载 html 的 loading 资源相对路径。设置空字符串表示取消 loading。	@./gt4-loading.gif
@rem	NSNumber	设置验证码整体的缩放比例	@(1)
@hideBar	NSArray<NSString*> *	隐藏后续验证界面的关闭按钮、刷新按钮。设置 @[@"close", @"refresh"] 则为隐藏关闭和刷新按钮。	@[]
@nextWidth	NSString	验证码弹窗的宽度，需要携带单位，如 @"300px"	nil
@riskType	NSString	结合风控融合，指定验证形式	nil
@hideSuccess	NSNumber	隐藏验证成功弹窗， @(0)/@(1) 为不隐藏或隐藏	@(0)
Sample Code			

```
#define captchaID @"1234567890abcdef"

GTCaptcha4SessionConfiguration *config = [GTCaptcha4SessionConfiguration
defaultConfiguration];

NSMutableDictionary *params = [{} mutableCopy];
[params setValue:@(1.25) forKey:@"rem"]; // 放大 1.25 倍
[params setValue:@[@"close", @"refresh"] forKey:@"hideBar"]; // 隐藏关闭按钮及刷新按钮
[params setValue:@"300px" forKey:@"nextWidth"];
```

```

[params setValue:@"click" forKey:@"riskType"]; // 指定智能点击形式
验证, 需与后端配置一致
[params setValue:@(1) forKey:@"hideSuccess"]; // 使用
NSNumber 表示布尔值
[params setValue:@"./gt4-loading.gif" forKey:@"loading"];

config.additionalParameter = params;

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

```

defaultConfiguration

获得一个默认配置。

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

错误描述对象

```
///  
FOUNDATION_EXPORT NSString * const GTC4ErrorCodeInvalidParameter;  
///  
FOUNDATION_EXPORT NSString * const GTC4ErrorCodeOperationFail;  
///  
FOUNDATION_EXPORT NSString * const GTC4ErrorCodeMissedResource;  
  
///  
FOUNDATION_EXPORT NSString * const GTC4ErrorCodeUserDidCancel;  
  
///  
FOUNDATION_EXPORT NSString * const GTC4ErrorCodeLoadFileFailure;  
///  
FOUNDATION_EXPORT NSString * const GTC4ErrorCodeTimeout;  
///  
FOUNDATION_EXPORT NSString * const GTC4ErrorCodeEvaluatingJavascriptFail;  
///  
FOUNDATION_EXPORT NSString * const GTC4ErrorCodeJavascriptError;  
///  
FOUNDATION_EXPORT NSString * const GTC4ErrorCodeWebViewMemoryWarning;  
  
///  
FOUNDATION_EXPORT NSString * const GTC4ErrorCodeUnknown;
```

code

错误码。可用于匹配处理。

Declaration

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

Seealso

见上方错误码清单

msg

错误信息。可用于用户界面展示。

Declaration

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

desc

错误详细描述。用于详细排查问题。

Declaration

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

Discussion

可用于支撑用户使用验证的运营问题。