

Google Play Integrity Tokens

This document outlines the process of decoding Google Play Integrity API tokens using the Google.Apis.PlayIntegrity.v1 library. The library handles the creation of the request body internally, allowing you to pass all necessary parameters directly to the method that initiates the API call.

Request Model

```
using Google.Apis.Auth.OAuth2;
```

```
public class IntegrityRequestModel
{
    public GoogleCredential Credential { get; set; }
    public string NonceToken { get; set; }
    public string PackageName { get; set; }
    public string ApplicationName { get; set; }
}
```

API Call Method

This method needs to be added on the internet facing server for verification.

```
var service = new PlayIntegrityService(new BaseClientService.Initializer
{
    HttpClientInitializer = credential,
    ApplicationName = ApplicationName
});

// Step 3: Create the request
var requestBody = new DecodeIntegrityTokenRequest
{
```

```
IntegrityToken = NonceToken
};

// Step 4: Call decodeIntegrityToken through the V1 resource
var response = service.V1.DecodeIntegrityToken(requestBody,
"$packageName={packageName}").Execute();
```

Response Body Example

When the API call is successful, the response object will contain detailed information. You can access specific parts of the payload as shown in the code example.

```
{
  "tokenPayloadExternal": {
    "accountDetails": {
      "accountActivity": null,
      "appLicensingVerdict": "UNEVALUATED",
      "ETag": null
    },
    "appIntegrity": {
      "appRecognitionVerdict": "UNRECOGNIZED_VERSION",
      "certificateSha256Digest": [
        "vgSx-BRsQ91X9pM_cySg677mGoMjbVXsoVrHGoNQnRs"
      ],
      "packageName": "www.bandhan.gfms",
      "versionCode": 2,
      "ETag": null
    },
    "deviceIntegrity": {
      "deviceAttributes": null,
```

```
"deviceRecall": null,
"deviceRecognitionVerdict": [
  "MEETS_DEVICE_INTEGRITY"
],
"legacyDeviceRecognitionVerdict": null,
"recentDeviceActivity": null,
"ETag": null
},
"environmentDetails": null,
"requestDetails": {
  "nonce": "10e9942f-9ee7-47aa-9b95-6f76e8ed6124",
  "requestHash": null,
  "requestPackageName": "www.bandhan.gfms",
  "timestampMillis": 1755501253927,
  "ETag": null
},
"testingDetails": null,
"ETag": null
},
"ETag": null
}
```