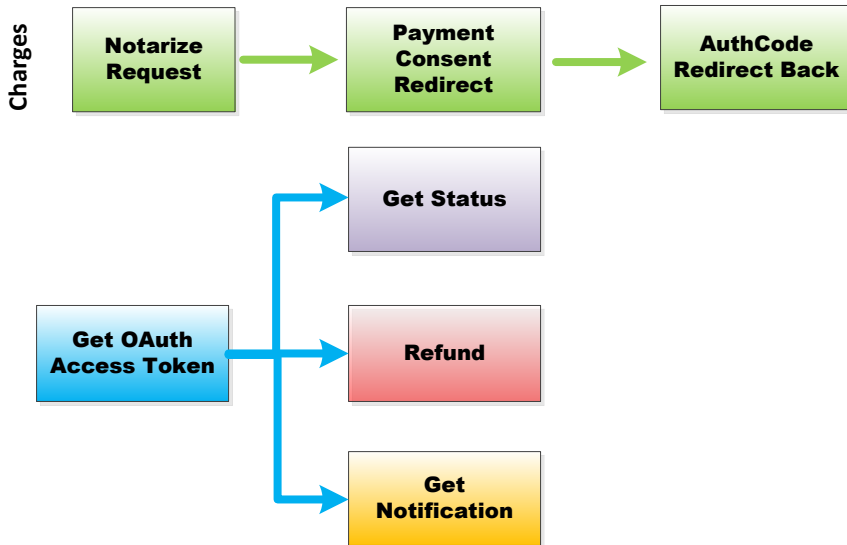


# Call Flows



### Notarize Request:

```
POST /Security/Notary/Rest/1/SignedPayload HTTP/1.1
content-type: application/json
accept: application/json
client_id: 1234567890ABCDEF1234567890ABCDEF
client_secret: 1234567890ABCDEF
```

```
{ "Amount": "1.98", "Category": 3,
  "Channel": "MOBILE_WEB",
  "Description": "D20130103195731421",
  "MerchantTransactionId": "T20130103195731421",
  "MerchantProductId": "P20130103195731421",
  "MerchantPaymentRedirectUrl": "http://
www.codecrafterguild.com/redirect"
}
```

App Key (client\_id)  
and App Secret  
(client\_secret)  
created with  
Application

Category used  
for calculating  
sales tax

Must be unique

URL used to redirect back to your  
server with an AuthCode

HTTP/1.1 200 OK

```
{
  "SignedDocument": "JTdCJTlY...RCU3RA",
  "Signature": "JUVGJUJGJ...VFRiVCRiVCRA"
}
```

# Transaction Attributes

## All transactions have these attributes

Amount: 0.99 – 24.99

Category: 1-5 (see docs for more info)

Channel: Always "MOBILE\_WEB",

Description: Shown in Consent

MerchantTransactionId: Must be unique

MerchantProductId: A string

MerchantPaymentRedirectUrl: Used for final redirect

## Include these for Subscriptions:

MerchantSubscriptionIdList: Must be unique

IsPurchaseOnNoActiveSubscription: Always "false"

SubscriptionRecurrences: Always 99999

SubscriptionPeriod: Always "MONTHLY"

SubscriptionPeriodAmount: Always 1

Redirect the subscriber's browser to the URL generated by combining these values

Get these values from the Notary Request

Use /Subscriptions for subscriptions

### Redirect Browser to Payment Consent:

HTTP/1.1 302 Found

`https://api.att.com/rest/3/Commerce/Payment/Transactions?  
Signature=JUVGJUJ...SVFRiVCRIVCRA&  
SignedPaymentDetail=JTdCJ...U3RA&  
clientid=1234567890ABCDEF1234567890ABCDEF`

App Key (client\_id)  
created with Application

Payment Consent redirects back to your server with the results

HTTP/1.1 302 Found

Location: `http://www.codecrafterguild.com/redirect?  
TransactionAuthCode=8FBYTuPaxmAGrtFjLNnm`

If transaction is successful the redirect URL will have a TransactionAuthCode or SubscriptionAuthCode

### Get OAuth Client Credentials Access Token:

POST /oauth/access\_token HTTP/1.1

Host: api.att.com

Content-Type: application/x-www-form-urlencoded

Accept: application/json

User-Agent: Test

Content-Length: 129

client\_id=1234567890ABCDEF&  
client\_secret=ABCDEF0123456789&  
grant\_type=client\_credentials&  
scope=CMS,MMS,PAYMENT,SMS,SPEECH

Form-  
urlencoded is  
the only  
supported  
Content-Type

App Key (client\_id)  
and App Secret  
(client\_secret)  
created with  
Application

Scopes must be a subset  
of the APIs selected for  
your application

This access token must be used  
for all Client Credentials APIs.

HTTP/1.1 200 OK

```
{  
  "access_token": "0123456789ABCDEF0123456789ABCDEF",  
  "expires_in": "0",  
  "refresh_token": "0123456789ABCDEF0123456789ABCDEF01234567"  
}
```

Use /TransactionId, or  
/TransactionAuthcode, or  
/MerchantTransactionId  
plus the appropriate id

### Get Status

GET /rest/3/Commerce/Payment/Transactions/  
TransactionAuthcode/8FBYTuPaxmAGrtFjLNnm HTTP/1.1  
Accept: application/json  
Authorization: Bearer 1234567890ABCDEF

```
{
  "IsAutoCommitted": "false",
  "Channel": "MOBILE_WEB",
  "Description": "D20130103195731421",
  "Currency": "USD",
  "TransactionType": "SINGLEPAY",
  "TransactionStatus": "SUCCESSFUL",
  "ConsumerId": "0cfe2dda-0176-4bca-9a77-3ed0da020c46",
  "MerchantTransactionId": "T20130103195731421",
  "MerchantApplicationId": "0123456789ABCDEF0123456789ABCDEF",
  "TransactionId": "MCK6999352834302185",
  "OriginalTransactionId": "",
  "ContentCategory": "3",
  "MerchantProductId": "P20130103195731421",
  "MerchantId": "XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXX",
  "Amount": "0.01",
  "Version": "1",
  "IsSuccess": "true"
}
```

Access Token from  
OAuth API

Unique Id specified in  
Notary Request

Permanent Transaction Id  
for use with Refund API

Use Transaction Status with the AuthCode to get the permanent transaction Id

OAuth Client Credentials Access Token

Ranges from 1-15  
See docs for more info

### Refund Transaction

```
PUT /rest/3/Commerce/Payment/Transactions/  
MCK6999352834302185?Action=refund HTTP/1.1  
content-type: application/json  
accept: application/json  
authorization: Bearer 0123456789ABCDEF0123456789ABCDEF  
  
{  
  "TransactionOperationStatus": "Refunded",  
  "RefundReasonCode": 1,  
  "RefundReasonText": "Customer was not happy"  
}
```

HTTP/1.1 200 OK

```
{  
  "IsSuccess": true,  
  "Version": "1",  
  "TransactionId": "MCKMCK6999352834302185",  
  "TransactionStatus": "SUCCESSFUL",  
  "OriginalPurchaseAmount": "0.01",  
  "CommitConfirmationId": ""  
}
```

Transaction Id of the Refund Transaction

# Notifications

1

## API Gateway Posts Notification To Your Server

```
POST http://your.domain/your/url/  
<Notifications><NotificationId>  
728dc361-8b4f-4acc-ad2d-9a63125c5114  
</NotificationId></Notifications>
```

URL specified in Merchant Account Details page – must be publicly accessible URL

May contain multiple NotificationId elements

2

## Get the Notification Message

```
GET /rest/3/Commerce/Payment/Notifications/  
728dc361-8b4f-4acc-ad2d-9a63125c5114  
Authorization: Bearer 1234567890ABCDEF
```

Response body includes "NotificationType"

3

## Notifications Repeat Until Acknowledged

```
PUT /rest/3/Commerce/Payment/Notifications/  
728dc361-8b4f-4acc-ad2d-9a63125c5114  
Authorization: Bearer 1234567890ABCDEF
```

API Gateway will retry notifications for 48 hours unless acknowledged



## Getting an Authorization Code Access Token

### Redirect Subscriber's Browser To Consent Request:

[https://api.att.com/oauth/authorize?client\\_id=1234567890ABCDEF&scope=TL](https://api.att.com/oauth/authorize?client_id=1234567890ABCDEF&scope=TL)

Client Id is the App Key value generated when you created your application

### After Consent AT&T Redirects Subscriber Back to:

<http://my.oauth/oauth?code=ApeCo44NyhsI2alcQPvXfs0LO>

Redirect URL is specified when you set up your application

### Exchange the code for an access token:

POST /oauth/access\_token HTTP/1.1  
Content-Type: application/x-www-form-urlencoded  
Accept: application/json

client\_id=1234567890ABCDEF&  
client\_secret=ABCDEF0123456789&  
grant\_type=authorization\_code&  
code=ApeCo44NyhsI2alcQPvXfs0LO

The code is exchanged for an access token

This access token is specific to this subscriber and the application. Store it in a database so that you don't have to ask the subscriber's consent again

```
{  
  "access_token": "0123456789ABCDEF0123456789",  
  "expires_in": "0",  
  "refresh_token": "0123456789ABCDEF0123456789ABCDEF"  
}
```

Access tokens do not expire and the refresh token isn't needed