

eConfirmations API



Sertifi



Sertifi eConfirmations powers seamless B2B payment delivery between travel companies, including travel management companies (TMCs), virtual card providers, and travel suppliers, such as hotels. Throughout this guide the business sending the payment information to the hotel via Sertifi is referenced as the e-Confirmations Provider.

This guide provides example requests sent with the authentication token, a sample expected response, and information about error codes and field definitions.

For full details on the eConfirmations API endpoints, [refer to our online documentation](#).

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Example Request

POST /sertifists/connect/token

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

Host: sertifi.com/sertifists/connect/token (for production) or
sandbox.sertifi.net/sertifists/connect/token (for sandbox)

```
grant_type=client_credentials&client_id=clientname&scope=econfirmationsAPI&client_secret=secret
```

Example Response

HTTP/1.1 200

status: 200

Content-Type: application/json; charset=UTF-8

Date: Thu, 14 Mar 2019 14:58:15 GMT

Note: an authentication token is needed for all other API calls; tokens expire 15 minutes (900 seconds) from the moment of creation.

```
Date: Thu, 14 Mar 2019 14:58:15 GMT  
{ "access_token": "9a30910f1a3425c21e27fab5ffb82cf5281caa9af88305043393  
f0601462c82t", "expires_in": 900, "token_type": "Bearer" }
```



Construct a request using the returned access token:

POST v1/econfirmations/4c4e95a8-fa4b-4c3d-936c-20452fddce3c HTTP/1.1

Content-Type: application/json

Authorization: Bearer 9a30910f1a3425c21e27fab55ffb82cf5281caa9af88305043393f0601462c82

Host: https://econfirmations.sertifi.net (for production) or https://econfirmations-sb.sertifi.net (for sandbox)

content-length: 597

```
{
  "Card": {
    "CardHolderName": "Card Issuer",
    "CardNumber": "4111XXXXXXXX1234",
    "CardType": "VA",
    "ExpirationDate": "2024-12-31",
    "Token": "8ffcb6b1324f41958288f6f939d2c927"
  },
  "Company": {
    "Address": "123 Fake Street",
    "Name": "Company Name"
  },
  "Contact": {
    "PhoneNumber": "0123 456 7890",
    "EmailAddress": "jsmith@example.com",
    "InvoiceEmailAddress": "hotel@example.com"
  },
  "PaymentInstructions": "Room, tax, parking",
  "Traveler": {
    "FirstName": "Jane",
    "LastName": "Smith"
  },
  "ReferenceNumber": "Smith345",
  "ArrivalDate": "2022-10-12T00:00:00"
}
```

Example Response

HTTP/1.1 200 OK

Content-Type: application/json; charset=utf-8

Date: Fri, 15 Mar 2019 14:27:56 GMT

Content-Length: 63

```
{
  "transactionId": "aab19b16-368dc-348e-aac2-2b4c87a6d3c1"
}
```



If you're a virtual card provider or travel agency, you can request a list of in-network providers that can accept your eConfirmations.

Example Request

GET /v1/econfirmations/Portals?page=1&perPage=100

Content-Type: application/json

Authorization: Bearer 9a30910f1a3425c21e27fab5ff82cf5281caa9af88305043393f0601462c82

Host: https://econfirmations.sertifi.net (for production) or https://econfirmations-sb.sertifi.net (for sandbox)

```
{
  "metadata": {
    "totalNumberOfPortals": 1,
    "pageSize": 1000,
    "currentPage": 1,
    "hasPreviousPage": "No",
    "hasNextPage": "No"
  },
  "portals": [
    {
      "portalName": "Sandbox Test Site",
      "portalURL": "sandbox.sertifi.net/testsite",
      "propertyAddress": "233 S Wacker, Chicago, IL, 60606, United States",
      "propertyID": "86df4960-6ed7-4d4d-ad87-1490408897a1",
      "propertySupportPhone": "630-555-5555",
      "propertySupportEmail": "example@sertifi.com",
      "portalGDS": [
        {
          "gdsName": "Sabre",
          "code": "24601"
        },
        {
          "gdsName": "Amadeus",
          "code": "YCYTNI"
        }
      ]
    }
  ]
}
```



You can request an eConfirmation detail record via the API. By passing the transaction ID for the record you'd like to check, the eConfirmations API provides a JSON object of the record that includes if it has been unmasked by the hotel, processed, and so on.

Example Request

GET v1/econfirmations/<transaction_id>

Content-Type: application/json

Authorization: Bearer 9a30910f1a3425c21e27fabc5ffb82cf5281caa9af88305043393f0601462c82

Host: https://econfirmations.sertifi.net (for production) or https://econfirmations-sb.sertifi.net (for sandbox)

```
{
  "Card": {
    "CardHolderName": "John Smith",
    "CardType": "MasterCard",
    "ExpirationDate": "2019-08-25T00:00:00.000Z"
  },
  "Company": {
    "Address": "123 Anywhere St., Everytown, MO, 56789",
    "Name": "ABC Corp"
  },
  "Contact": {
    "PhoneNumber": "555-555-5555",
    "EmailAddress": "john@example.com",
    "InvoiceEmailAddress": "invoicing@example.com",
    "SupportEmailAddress": "support@example.com",
  },
  "PaymentInstructions": "room, tx, parking, dining",
  "Traveler": {
    "FirstName": "John",
    "LastName": "Smith"
  },
  "PaymentMethodAccessData": {
    "LastAccessDate": "2019-08-25T00:00:00.000Z"
  },
  "OtherFields": {},
  "ReferenceNumber": "111111sssss",
  "ArrivalDate": "2019-08-16T00:00:00.000Z",
  "ProcessedDate": "2019-08-16T00:00:00.000Z",
  "TransactionId": "3576234957395325"
}
```

Getting a list of in-network portals with specific criteria



You can use the API to request a list of in-network portals that meet certain criteria, such as every portal with "Windy City" in the portal name.

Example Request

GET /v1/econfirmations/Portals/search?PortalName=Windy&page=1&perPage=1

Content-Type: application/json

Authorization: Bearer 9a30910f1a3425c21e27fab5ffb82cf5281caa9af88305043393f0601462c82

Host: https://econfirmations.sertifi.net (for production) or https://econfirmations-sb.sertifi.net (for sandbox)

```
{
  "metadata": {
    "totalNumberOfPortals": 109,
    "pageSize": 1,
    "currentPage": 1,
    "hasPreviousPage": "No",
    "hasNextPage": "Yes"
  },
  "portals": [
    {
      "portalName": "Windy City Hotel",
      "portalURL": "sandbox.sertifi.net/windycityhotel",
      "propertyAddress": "233 S Wacker, Chicago, IL 60606",
      "propertyID": "86df4960-6ed7-4d4d-ad87-1490408897a1",
      "propertySupportPhone": "630-555-5555",
      "propertySupportEmail": "example@windycityhotel.com",
      "portalGDS": [
        {
          "gdsName": "Sabre",
          "code": "24601"
        },
        {
          "gdsName": "Amadeus",
          "code": "YCYTNI"
        }
      ]
    }
  ]
}
```

Receiving errors



Errors from the eConfirmations API are returned in the format of an HTTP Status Code, followed by an error message.

The most common errors you might receive when using the eConfirmations API include:

HTTP Status	Error Message	Explanation
400	The given virtual card provider doesn't have permission to send requests to the associated portal.	This occurs if you try to send information to a portal for which you don't have access.
404	There isn't an account associated with Property ID xxxx-xxx-xxxx-xxxx-xxx. Send a new request.	This occurs if you try to send to an invalid property ID.
500	An unexpected error occurred.	The 500 response is a general-purpose error code due to an unexpected condition that prevents the request from being fulfilled. A 500 Error could potentially mean that the propertyId is incorrect, or that the hotel portal is not enabled for the eConfirmations provider.



The following table provides the field definitions for the eConfirmations API.

Object	Field	Required?	Field Type	Definition
Card	CardHolderName	Yes	String	The name that appears on the card used for the reservation
	CardNumber	Yes	String	The card number
	CardType	Yes	String	The brand or network of the card, like Visa or American Express
	ExpirationDate	Yes	String (date-time)	The card's expiration date
	Token		String	The tokenized credit card number. A tokenized number allows both parties to process a payment without revealing the actual credit card number.
Company	Address		String	The address of the company that will be paying for the charges.
	Name		String	The name of the company that will be paying for the charges.
Contact	Phone Number		String	The phone number of the company that will be paying for the charges.
	Email Address	Yes	String	The email address of the company that will be paying for the charges.
	Invoice Address		String	The email address used for invoicing by the company that will be paying for the charges.
	SupportEmailAddress		String	The support email address of the company paying for the charges.
	SupportPhoneNumber		String	The support phone number of the company paying for the charges.



Object	Field	Required?	Field Type	Definition
PaymentInstructions		Yes	String (up to 150 characters)	Notes about specific payment instructions for approved or restricted charges like taxes or parking.
Traveler	FirstName		String	The first name of the traveler staying at the hotel.
	LastName		String	The last name of the traveler staying at the hotel.
ReferenceNumber		Yes	String	The reference number of the reservation. This should match the booking confirmation number in the hotel's PMS.
ArrivalDate		Yes	String	The date that the traveler is scheduled to arrive at the hotel.

Workflow Overview



1

eConfirmations Provider gets hotel list via the Sertifi eConfirmations API /portal endpoint and saves the Property ID to the database.



2

eConfirmations provider authenticates against the Sertifi eConfirmations API.



3

eConfirmations provider sends guest reservation information and payment information to hotel's Sertifi portal via eConfirmations API



4

Hotel accesses Sertifi portal to retrieve payment information for the reservation for seamless check-in for the guest.