



## **API Admin Provider**

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# 1. HISTORY OF THE DOCUMENT

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Version	Author	Date	Comment
1.0	Lyra Network	9/9/2020	Initial version

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## 2. PRESENTATION

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The payment gateway offers an API allowing an authorized entity (provider or white label) to use the REST payment Web Services, used by merchants, in provider mode.

Currently, only the cardholder authentication service (Charge/Authenticate) is available in provider mode.

The list of available services will be expanded in the near future.

### 3. PREREQUISITES

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In order to use the available services via the API Provider, you will need to get in touch with your Lyra sales contact in order to:

- declare the IP addresses of the servers that will be allowed to connect to the API Provider via your Lyra contact,
- specify the services to be authorized for your provider.

*At the moment, only the Charge/Authenticate service is available.*

In return, your Lyra sales contact will provide you with the information below:

Parameter	Description
Login	Username allowing to build the HTTP header Authorization string.
Provider test key	Provider key allowing to build the HTTP header Authorization string for test transactions (with test cards). The format of this key is: "testpassword_XXXXX".
Provider production key	Provider key allowing to build the HTTP header Authorization string for production transactions (with real cards). The format of this key is: "prodpassword_XXXXX".

## 4. AUTHENTICATION

Authentication of the API Provider requires the use of specific HTTP headers in each request:

- The HTTP "**Authorization**" header that allows to authenticate the user via the payment server.
- The HTTP "**Content-Type**" header, set to "**application/json**" that allows to specify the content type of the request.
- The "**x-auth-scope**" header, set to "**provider**", that allows to indicate that the request originates from a provider and not a merchant.
- The "**x-shop-id**" header that allows to specify the ID of the shop for which the operation was made.

Each call requires an authentication based on the **HTTP Basic Authentication** method.

This method uses the **Authorization** HTTP header consisting of the word **Basic** followed by a string encoded in base64 containing a **username** and a **password** separated by a colon (:).

### How to build the "Authorization" HTTP header

1. Create a string composed of **identifier:provider key**

```
69876357:testpassword_DEMOPRIVATEKEY23G4475zXZQ2UA5x7M
```

2. Encode the obtained chain in base64

```
Njk4NzYzNTc6dGVzdHBhc3N3b3JkX0RFTU9QUk1WQVRFS0VZMjNHNDQ3NXpYW1EyVUE1eDdN
```

3. Add the "Authorization" header to your request containing the word "Basic" followed by the string encoded in base64:

```
Authorization: Basic  
Njk4NzYzNTc6dGVzdHBhc3N3b3JkX0RFTU9QUk1WQVRFS0VZMjNHNDQ3NXpYW1EyVUE1eDdN
```

In PHP, the **Authorization** header will be calculated as follows:

```
$header = "Authorization: Basic " . base64_encode($username . ':' . $provider_key);
```

### Example of a complete request

#### Request

```
POST https://https://api.payzen.lat/api-payment/V4/Charge/Authenticate
```

#### Headers

```
Authorization: Basic Njk4NzYzNTc6dGVzdHBhc3N3b3JkX0RFTU9QUk1WQVRFS0VZMjNHNDQ3NXpYW1EyVUE1eDdN  
Content-Type: application/json  
x-auth-scope: provider  
x-shop-id: 12345678
```

#### Body

```
{  
  ...  
}
```

## 5. ERROR CODES SPECIFIC TO THE AUTHENTICATION

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Code	Description
PSP_116	Providers are not allowed to use this web service.
PSP_117	Provider right not enabled.
INT_817	x-shop-id header is mandatory for provider login.
INT_818	IP address is not whitelisted for this provider.
INT_819	Shop id not associated to this provider.
INT_905	Provider API Invalid login or provider key.

## 6. ENTRY POINTS

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Operation	URL of the entry point
Initiate 3D Secure authentication	<a href="https://api.payzen.lat/api-payment/V4/Charge/Authenticate">https://api.payzen.lat/api-payment/V4/Charge/Authenticate</a>



## 7. CHARGE/AUTHENTICATE: CARDHOLDER AUTHENTICATION SERVICE

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The integration of the Charge/Authenticate service via the API Provider is identical to that performed by merchants.

It is described [here](#).

Only the authentication differs:

- use of provider keys,
- addition of two new HTTP headers: x-shop-id and x-auth-scope

The process and the body of the request are identical.