

SaaS SOAP API Integration Reference

This reference guide provides information on integrating with the SaaS platform via SOAP API endpoints, typical request/response structures, authentication, and available operations.

Endpoint

```
https://api.example-saas.com/soap/v1
```

WSDL

```
https://api.example-saas.com/soap/v1?wsdl
```

Authentication

All requests must include an authentication header with API credentials:

```
<soapenv:Header>
  <auth:AuthHeader xmlns:auth="http://api.example-saas.com/auth">
    <auth:Username>your_username</auth:Username>
    <auth:Password>your_password</auth:Password>
  </auth:AuthHeader>
</soapenv:Header>
```

Sample Request

```
POST /soap/v1 HTTP/1.1
Host: api.example-saas.com
Content-Type: text/xml; charset=utf-8
SOAPAction: "GetCustomer"
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cus="http://api.example-saas.com/customer">
  <soapenv:Header>
    <auth:AuthHeader xmlns:auth="http://api.example-saas.com/auth">
      <auth:Username>your_username</auth:Username>
      <auth:Password>your_password</auth:Password>
    </auth:AuthHeader>
  </soapenv:Header>
  <soapenv:Body>
    <cus:GetCustomer>
      <cus:CustomerId>12345</cus:CustomerId>
    </cus:GetCustomer>
  </soapenv:Body>
</soapenv:Envelope>
```

Sample Response

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <soapenv:Body>
    <cus:GetCustomerResponse xmlns:cus="http://api.example-saas.com/customer">
      <cus:Customer>
        <cus:Id>12345</cus:Id>
        <cus:Name>Jane Doe</cus:Name>
        <cus:Email>jane.doe@example.com</cus:Email>
      </cus:Customer>
    </cus:GetCustomerResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

Operations

Operation	Description
GetCustomer	Retrieve a customer's details by CustomerId.
CreateCustomer	Create a new customer record.
UpdateCustomer	Update existing customer data.
DeleteCustomer	Delete customer record by CustomerId.

Example: CreateCustomer

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cus="http://api.example-saas.com/customer">
  <soapenv:Header>
    <auth:AuthHeader xmlns:auth="http://api.example-saas.com/auth">
      <auth:Username>your_username</auth:Username>
      <auth:Password>your_password</auth:Password>
    </auth:AuthHeader>
  </soapenv:Header>
  <soapenv:Body>
    <cus:CreateCustomer>
      <cus:Name>Alice Smith</cus:Name>
      <cus:Email>alice@example.com</cus:Email>
    </cus:CreateCustomer>
  </soapenv:Body>
</soapenv:Envelope>
```

Error Handling

Errors are returned as SOAP Faults:

```
<soapenv:Fault>
  <faultcode>soapenv:Client.Authentication</faultcode>
  <faultstring>Invalid username or password</faultstring>
</soapenv:Fault>
```

Namespaces

- soapenv - http://schemas.xmlsoap.org/soap/envelope/
- cus - http://api.example-saas.com/customer
- auth - http://api.example-saas.com/auth

For further API details, refer to the official WSDL.