

Oracle® Hospitality Cruise Property Management

REST API Get Started Guide



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Preface

This Oracle Hospitality Cruise Shipboard Property Management System REST API document provides the information that enables you to develop applications that connect to the Oracle Hospitality Cruise Property Management next generation platform.

Audience

This document is for technical specialist, system integrators, application specialist, and users of Oracle Cruise Property Management.

Customer Support

To contact Oracle Customer Support, access My Oracle Support at the following URL:

<https://support.oracle.com>

When contacting Customer Support, please provide the following:

- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received
- Screenshots of each step you take

Documentation

Oracle Hospitality product documentation is available on the Oracle Help Center at <http://docs.oracle.com/en/industries/hospitality/>.

Revision History

Table 1 Revision History

Date	Description of Change
September 2021	Initial publication.
July 2022	Made minor grammatical changes.

1

Introduction

The Oracle Hospitality Cruise Property Management representational state transfer (REST) API enables you to develop solutions that connect to the Oracle Hospitality Cruise next generation solution. These REST APIs follow the Oracle REST standard.

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Naming Convention for SPMS REST API

The Oracle Hospitality Cruise Property Management REST API adheres to the Oracle REST Standard naming standards.

The API follows a consistent set of conventions to provide an easy, reliable learning environment and use of Oracle Hospitality Cruise Property Management REST APIs.

REST API URL Structure

Access REST resources using the following URL structure:

```
https://<host-name>/spms/<version>/<resource-path>
```

Where:

- **host-name:** Define the host name where SPMS platform is deployed
- **spms:** Context path for accessing REST API's
- **version:** Version of the REST API's exposed
- **resource-path:** The relative path that defines the resource.

A complete set of resources can be found on this website [Oracle Help Center](#).

Naming Conventions

Each REST resource has a unique ID. For example, the resource representing the wizard template with 1 would be `/spms/v1/wizardTemplates/1`.

This appears in the API documentation as `/spms/v1/wizardTemplates/{id}`.

API version numbers appear as `v1`. Version numbers include a decimal point only when required (for example, for a subsequent minor release) and have a lower case `v` prefix. Every API access includes the version.

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Authentication/Authorization for accessing Cruise REST API

The Oracle Hospitality Cruise Property Management REST API accept an OAuth2 token for authentication. Currently, we are only supporting client Credential flow.

To call a REST API, a token is needed.

Obtaining a Token

Obtain the token as a POST request using the URL:

`https://<hostname>/<contextpath>/access/token`

Provide a basic authentication header. The header is a base64-encoded combination of your clientID and clientSecret. For example, if your clientID is clientid and your clientSecret is client-secret, the HTTP header appears as follows:

Pass the parameters described in the following table in `x-www-form-urlencoded` encoded format:

Table 3-1 Parameter

Parameter	Value	Description
grant_type	Password	Indicates the type of OAUTH grant required
Username	<username>	Your user name for the service
Password	<password>	Your password for the service

The response is a JSON Web Token (JWT) that contains the information described in the following table:

Table 3-2 Token Fields

Field	Description
access_token	Enables access to the SPMS Platform
expires_in	Number of seconds the token is valid
token_type	Bearer
refresh_token	Enable access to SPMS Platform
Scope	Scope of token

Using the Access Token

After you obtain the access token, use the token to access the SPMS platform at the following URL:

`https://<host><port>/contextpath/<serviceURL>/`

Supply a Bearer Authentication header with the access token in the following format:

- Content-Type: application/json
- Authorization: Bearer <access token>

The access token is valid until it expires. You can determine when the token expires based on the `expires_in` claim found in the access token.

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Account Details for REST API Access

The existing Administrator/User account details that the customer is using to access the Oracle Hospitality Cruise Shipboard Property Management System platform is valid and continues to provide access to Oracle Hospitality Cruise Property Management next generation REST APIs.