

Cookbook to Publish OCI Resource Manager Listings

Publish an OCI Resource Manager listing to OCI Marketplace using REST API

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1. INTRODUCTION

Marketplace partners can publish OCI terraform listings to the Marketplace using either the Marketplace Partner Portal (UI app) or the Publisher REST APIs. This document describes the process using Publisher APIs.

See Marketplace Publisher APIs at <https://docs.oracle.com/en/cloud/marketplace/partner-portal/rest-api-publisher/>.

2. PUBLISHER API COOKBOOK

Below are API samples for publishing a listing with one or more package versions to the Marketplace.

Publisher API Credentials

You must reach out to marketplace-help_us_grp@oracle.com for Publisher API credentials.

Replace the {endpoint-url} in the below steps with the Endpoint URL below for your target environment.

ENVIRONMENT	PUBLISHER API ENDPOINT URL
Production	https://ocm-apis-cloud.oracle.com/appstore/publisher

Replace {user_id} with the partner user email id in the steps below.

2.1 OAUTH TOKEN GENERATION

```
Request:
curl -X GET \
  {endpoint-url}/appstore/publisher/v1/authenticate \
  -H 'authorization: Basic
Y2IxZjJkZjUtY2U3Yi00YWNjLWlxdGtOThiZDIyZDY5NGZlOnN3aFZBakNSVUdLVHRjUE5lcWww' \
  -H 'cache-control: no-cache'

Response:
{
  "oracle_client_assertion_type": "urn:ietf:params:oauth:client-assertion-type:jwt-
bearer",
  "expires_in": 604800,
  "oracle_tk_context": "client_assertion",
  "access_token": "eyJhbGciOiJIUzUzIiwiaXNjaWkiOiJ1IiwiaWF0IjoiYjYjZmMmRmNS1jZTdiLTRhY2MtYj
zdGhPY3UlcW5QayIsImtpZCI6Im9jbWVnbXB1dGUuY2VydCJ9.eyJzdWIiOiJjYjYjZmMmRmNS1jZTdiLTRhY2MtYj
FkOC05OGJkMjJkNjk0ZmUiLCJpc3MiOiJvY21jb21wdXRlIiwib3JhY2xlLm9hdXRoLnN2Y19wX24iOiJvY21jb2
1wdXRlU2VydmljZVByb2ZpbGUuLCJpYXQiojE1MzkwMDEzODYsIm9yYWNsZS5vYXV0aC5wcm4uaWRfdHlwZSI6Ik
NsaWVudE1EiwiZXhwIjoxNTM5NjA2MTg2LCJvcmljaW9ub2F1dGgudG9yY29udGV4dCI6ImNsaWVudF9hc3Nlcn
Rpb24iLCJhdWQiOiJ1IiwiaHR0cHM6Ly9ybm8yMTQwMDUudXMub3JhY2xlLm9hdXRoLnN2Y19wX24iOiJvY21jb21w
YyZGY1LWNlN2ItNGFjYy1iMWQ4LTk4YmQyMmQ2OTRmZSIsIm9yYWNsZS5vYXV0aC5wcm4uaWRfdHlwZSI6IkNsaW
VudE1EiwiianRpIjoimZhiNTVhZjZlMzU0MmM4LWJkODQtNjYjYjYjZmMmRmNS1jZTdiLTRhY2MtYjYyZmMmRmNS
FtZSI6Im9jbWVnbXB1dGUuLCJvcmljaW9ub2F1dGgudG9yY29udGV4dCI6Im9yYWNsZS5vYXV0aC5wcm4uaWRfdHlw
ZSI6Im9jbWVnbXB1dGUuLCJvcmljaW9ub2F1dGgudG9yY29udGV4dCI6Im9yYWNsZS5vYXV0aC5wcm4uaWRfdHlwZSI6
lkIzMOwK4skM1dzjJf3ebLODXv_tecGWYwcq5Y79KvG8_ouxGsflL1KvZsNAiXX1b9IUT4d5spEHroACmj_vV49
ox9w-NjQXn_SKcNkvQ8wfvDl2pEcerFEcqjt-
MPw7rm0U4FLbGQXLJ0G1F50d0ccPYC23Q5SBY4wv1pHYvwbAQTUAjQj6KODDFWnTe8Tldp_Vl3mGsplSn7hw6xh
aERX5v0xikhj7R46bKRICqblpVIawMo2nhc9Gy0g6GneCmUOXDGLBjJE6t2udBWwQviaHZrgiY2dilfwGR9kuDo9
vGUJAYFjSMJU1sViiSn4l9tksDuzplz8FUw",
```

```

"token_type": "Bearer"
}

```

Steps to generate authorization header:

1. Form the concatenated string from Client Id, Secret as "<ClientID>:<Secret>"
 For example, if Client Id is "cb1f2df5-ce7b-4acc-b1d8-98bd22d694fe" and Secret is "swhVAjCRUGKTtcPNeqI0", then form the string as "cb1f2df5-ce7b-4acc-b1d8-98bd22d694fe:swhVAjCRUGKTtcPNeqI0".
2. Base64 encode the concatenated string, for example the above string after Base64 encoding is:
 "Y2IxZjkZjUtY2U3Yi00YWNjLWlXZDgtOThiZDIyZDY5NGZlOnN3aFZBakNSVUdLVHRjUE5lcWww"
3. Use this Base64 encoded value as 'authorization' header to get the access_token.

Usage of access_token:

A successful call to /authenticate you will find "access_token" property in response. You have to use this property's value as "authorization" header value in the API calls listed below. To construct the "authorization" header value, form the string as "Bearer <access_token_header_value>".

For example, this value is formed using the access_token received in the above response.

```

"Bearer
eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCIsIngldCI6Im9KWTEtVHhTTW5HZUFIYlZzdGhPY3UlcW5QayIsImtpZCI6Im9jbWVubXBldGUuY2VydCJ9.eyJzdWIiOiJjYjFmMmRmNS1jZTdiLTRhY2MtYjFkOC05OGJkMjJkNjk0ZmU
iLCJpc3MiOiJvY21jb21wdXRlIiwib3JhY2xlLm9hdXR0LnN2Y19wX24iOiJvY21jb21wdXRlU2VydmljZVByb2Z
pbGUiLCJpYXQiojE1MzkWMDZlYmMzIm9yYWNsZS5vYXV0aC5wcm4uaWRfdHlwZSI6ImNsaWVudE1EiwiZXhwIjo
xNTM5NjA2MTg2LCJvcmljaWVuZD0iOiJkaWY9ZGVzZW50ZWUuaWRfdHlwZSI6ImNsaWVudF9hc3NlcnRpb24iLCJhdWQiOiI
0cHM6Ly9ybm8yMTQwMDUudXMub3JhY2xlLmNvbS9hcHBzZG9yZS9tYXJrZXRwbGFjZSIsImh0dHBzOi8vcm5vMjE
OMDA1LnVzLm9yYWNsZS5jb20vYXBwcm9vcmljaWVuZD0iOiJkaWY9ZGVzZW50ZWUuaWRfdHlwZSI6ImNsaWVudE1E
iMWQ4LTk0YmQyMTQwMDUudXMub3JhY2xlLm9hdXR0LnN2Y19wX24iOiJvY21jb21wdXRlU2VydmljZVByb2Zp
iNTVmNzctMDJmZS00MWM4LWJkODQtNjIjYjFmMmE4NTU1IiwidXNlcjE0ZDQ1ZDQ1ZDQ1ZDQ1ZDQ1ZDQ1ZDQ1ZDQ1ZDQ1ZDQ1
iLCJvcmljaWVuZD0iOiJkaWY9ZGVzZW50ZWUuaWRfdHlwZSI6ImNsaWVudE1EiwiZXhwIjojY21jb21wdXRlU2VydmljZVByb2Zp
LODxv_tecWGYwcm9yY21jb21wdXRlU2VydmljZVByb2ZpLm9hdXR0LnN2Y19wX24iOiJvY21jb21wdXRlU2VydmljZVByb2Zp
NjQxNkNkbnQ8wVfVd12pEcerFEcqt-
MPw7rm0U4FLbGQXLJ0GlF50d0ccPYCX23Q5SBY4wv1pHYvwaQTUAjQj6KODDFWnTe8Tldp_V13mGsplSn7hw6xh
aERX5v0xikhj7R46bkRIcqlpVIawMo2nhc9Gy0g6GneCmUOXDGLbJje6t2udBWWQviaHZrgiy2dilfwGR9kuDo9
vGUJAYFjSMJU1sViiSn4l9tksDuzplz8FUw"

```

2.2 CREATE A TERRAFORM ARTIFACT

Make sure that the file "Terraform.zip" exists in the directory.

```

Request:
curl -X POST \
  {endpoint_url}/appstore/publisher/v1/artifacts \
  -H 'Accept: application/json' \
  -H 'Authorization: Bearer {{access_token}}' \
  -H 'X-Oracle-UserId: {user_id}' \
  -H 'cache-control: no-cache' \
  -H 'content-type: multipart/form-data; boundary=----
WebkitFormBoundary7MA4YWxkTrZu0gW' \
  -F 'json={ "name": "APSREST_AF_02132019", "artifactType": "TERRAFORM_TEMPLATE" }' \
  -F 'file=@Terraform.zip' \

```

```
-F accept=application/json
```

Response:

```
{
  "message": "OK",
  "entityId": "15990161"
}
```

2.3 GET ALL ARTIFACTS

Request:

```
curl -X GET \
  {endpoint-url}/appstore/publisher/v1/artifacts?artifactType=TERRAFORM_TEMPLATE \
  -H 'Authorization: Bearer {{access_token}}' \
  -H 'Content-Type: application/json' \
  -H 'X-Oracle-UserId: {user_id}' \
  -H 'cache-control: no-cache'
```

Response:

```
{
  "items": [
    {
      "Artifact": {
        "artifactId": 16034835,
        "artifactType": "Terraform Template",
        "name": "APSREST_AF_02132019",
        "status": "Unavailable",
        "processingStatusNote": "Artifact creation failed",
        "lastModifiedBy": "Solis Doe",
        "lastModifiedDate": "2019-02-13T00:40:58.000Z",
        "createdBy": "Jane Wilson",
        "creationDate": "2019-02-13T00:40:55.000Z"
      }
    },
    {
      "Artifact": {
        "artifactId": 16028295,
        "artifactType": "Terraform Template",
        "name": "APS1941 AF_feb9",
        "status": "Unavailable",
        "processingStatusNote": "Artifact creation failed",
        "lastModifiedBy": "Solis Doe",
        "lastModifiedDate": "2019-02-11T10:28:16.000Z",
        "createdBy": "Jane Wilson",
        "creationDate": "2019-02-11T10:28:13.000Z"
      }
    },
    {
      "Artifact": {
        "artifactId": 15997307,
        "artifactType": "Terraform Template",
        "name": "testing",
        "status": "Unavailable",

```

```

        "processingStatusNote": "Artifact creation failed",
        "lastModifiedBy": "Solis Doe",
        "lastModifiedDate": "2019-01-23T07:30:54.000Z",
        "createdBy": "Jone Hail",
        "creationDate": "2019-01-23T07:30:50.000Z"
    }
},
{
    "Artifact": {
        "artifactId": 15997300,
        "artifactType": "Terraform Template",
        "name": "APS1942 AF_0121194",
        "status": "Unavailable",
        "processingStatusNote": "Artifact creation failed",
        "lastModifiedBy": "Solis Doe",
        "lastModifiedDate": "2019-01-23T06:57:22.000Z",
        "createdBy": "Jane Wilson",
        "creationDate": "2019-01-23T06:56:57.000Z"
    }
},
{
    "Artifact": {
        "artifactId": 15995924,
        "artifactType": "Terraform Template",
        "name": "aps19.1.4",
        "status": "Unavailable",
        "processingStatusNote": "Artifact creation failed",
        "lastModifiedBy": "Solis Doe",
        "lastModifiedDate": "2019-01-21T15:05:08.000Z",
        "createdBy": "John Doe",
        "creationDate": "2019-01-21T15:05:06.000Z"
    }
},
{
    "Artifact": {
        "artifactId": 15995917,
        "artifactType": "Terraform Template",
        "name": "APS1846 AF_0121194",
        "status": "Unavailable",
        "processingStatusNote": "Artifact creation failed",
        "lastModifiedBy": "Solis Doe",
        "lastModifiedDate": "2019-01-21T15:03:05.000Z",
        "createdBy": "Jane Wilson",
        "creationDate": "2019-01-21T15:03:01.000Z"
    }
},
{
    "Artifact": {
        "artifactId": 15990161,
        "artifactType": "Terraform Template",
        "name": "testerewrewr",
        "status": "Unavailable",
        "processingStatusNote": "Artifact creation failed",
        "lastModifiedBy": "Solis Doe",
        "lastModifiedDate": "2019-01-18T10:07:01.000Z",

```

```

    "createdBy": "John Doe",
    "creationDate": "2019-01-18T10:07:00.000Z"
  },
  {
    "Artifact": {
      "artifactId": 15917942,
      "artifactType": "Terraform Template",
      "name": "fort",
      "status": "Available",
      "processingStatusNote": "The artifact has been successfully created",
      "lastModifiedBy": "Solis Doe",
      "lastModifiedDate": "2018-12-17T07:38:47.000Z",
      "createdBy": "Jone Hail",
      "creationDate": "2018-12-17T07:38:23.000Z"
    }
  },
  {
    "Artifact": {
      "artifactId": 15904854,
      "artifactType": "Terraform Template",
      "name": "test",
      "status": "Available",
      "processingStatusNote": "The artifact has been successfully created",
      "lastModifiedBy": "Solis Doe",
      "lastModifiedDate": "2018-12-12T13:04:21.000Z",
      "createdBy": "John Doe",
      "creationDate": "2018-12-12T13:04:18.000Z"
    }
  },
  {
    "Artifact": {
      "artifactId": 15897854,
      "artifactType": "Terraform Template",
      "name": "tl_test",
      "status": "Unavailable",
      "processingStatusNote": "Artifact creation failed",
      "lastModifiedBy": "Solis Doe",
      "lastModifiedDate": "2018-12-10T06:37:47.000Z",
      "createdBy": "John Doe",
      "creationDate": "2018-12-10T06:37:05.000Z"
    }
  },
  {
    "Artifact": {
      "artifactId": 15849717,
      "artifactType": "Terraform Template",
      "name": "TFArtifact_110118-1051",
      "status": "Available",
      "processingStatusNote": "The artifact has been successfully created",
      "lastModifiedBy": "Solis Doe",
      "lastModifiedDate": "2018-11-01T05:22:11.000Z",
      "createdBy": "Jane Wilson",
      "creationDate": "2018-11-01T05:21:45.000Z"
    }
  }
}

```

```

    },
    {
      "Artifact": {
        "artifactId": 15848729,
        "artifactType": "Terraform Template",
        "name": "TFArtifact_110118",
        "status": "Available",
        "processingStatusNote": "The artifact has been successfully created",
        "lastModifiedBy": "Solis Doe",
        "lastModifiedDate": "2018-11-01T04:44:47.000Z",
        "createdBy": "Jane Wilson",
        "creationDate": "2018-11-01T04:44:19.000Z"
      }
    }
  ],
  "hasMore": false,
  "count": 12,
  "totalResults": 12,
  "links": [
    {
      "rel": "CANONICAL",
      "href": "https://ocm-apis-cloud.oracle.com/appstore/publisher/v1/artifacts"
    },
    {
      "rel": "SELF",
      "href": "https://ocm-apis-
cloud.oracle.com/appstore/publisher/v1/artifacts?artifactType=TERRAFORM_TEMPLATE"
    }
  ]
}

```

2.4 GET ARTIFACT BY ID

```

Request:
curl -X GET \
  {endpoint-url}/appstore/publisher/v1/artifacts/15990161 \
  -H 'accept: application/json' \
  -H 'authorization: Bearer {{access_token}}' \
  -H 'cache-control: no-cache' \
  -H 'content-type: application/json' \
  -H 'x-oracle-userid: {user_id}'

Response:
{
  "artifactId": 15990161,
  "artifactType": "Terraform Template",
  "name": "APSREST_AF_02132019",
  "status": "Available",
  "processingStatusNote": "The artifact has been successfully created",
  "lastModifiedBy": "Solis Doe",
  "lastModifiedDate": "2018-12-12T13:04:21.000Z",
  "createdBy": "John Doe",
  "creationDate": "2018-12-12T13:04:18.000Z",
  "uploadRequest": {
    "artifactUploadRequestId": 15904856,

```



```
    "numberOfMultipart": 1,
    "status": "Completed",
    "fileName": "Terraform.zip",
    "uploadParts": [
      {
        "partNumber": 1,
        "partFileName": "Terraform.zip",
        "sizeInBytes": 191133
      }
    ]
  }
}
```

2.5 CREATE APPLICATION LISTING

```
Request:
curl -X POST \
  {endpoint_url}/appstore/publisher/v1/applications/ \
  -H 'Authorization: Bearer {{access_token}}' \
  -H 'Content-Type: application/json' \
  -H 'X-Oracle-UserId: {user_id}' \
  -H 'cache-control: no-cache' \
  -d '{
"name": "Jenkins",
"products": [
  {
    "code": "oci",
    "categories": [
      {
        "code": "APPLICATION_STACKS"
      }
    ]
  }
],
"deviceType": {
  "code": "BROWSER"
},
"pricing": {
  "type": "FREE",
  "description": ""
},
"listingContentLanguage": {
  "code": "en_US"
},
"shortDescription": "Short description",
"longDescription": "Long description",
"usageInformation": "Usage Information",
"tags": "Jenkins",
>tagLine": "Continuous Integration and Continuous Delivery",
"listingContentLanguage": {
  "code": "en_US",
```

```

        "name": "English"
    },
    "versionDetails": {
        "versionNumber": "4.0.0-0 on OL 7.5",
        "releaseDate": "2018-07-10T00:00:00.000Z"
    },
    "systemRequirements": "System Requirements",
    "support": {
        "contacts": null,
        "links": [
            {
                "name": "Support Page",
                "url": "https://example.com/support/oci"
            },
            {
                "name": "Community",
                "url": "https://community.example.com/"
            }
        ]
    },
    "availableInAllRegions": true,
    "languages": [
        {
            "code": "en_US"
        }
    ]
}
}
Response:
{
    "message": "Listing was created successfully.",
    "entityId": "16034919",
    "name": "Jenkins"
}

```

2.6 ADD ICON TO THE APPLICATION

```

Request:
curl -X POST \
  {endpoint_url}/appstore/publisher/v1/applications/16034919/icon \
  -H 'Authorization: Bearer {{access_token}}' \
  -H 'X-Oracle-UserId: {user_id}' \
  -H 'cache-control: no-cache' \
  -H 'content-type: multipart/form-data; boundary=----
WebKitFormBoundary7MA4YWxkTrZu0gW' \
  -F 'image=@content.png'

Response:
{
    "message": "Icon upload was successful",
    "entityId": "16034935"
}

```

2.7 CREATE LISTING PACKAGE

Note: OCI package operations available with Publisher Application version V2.

Request:

```
curl -X POST \  
  {endpoint_url}/appstore/publisher/v2/applications/16034919/packages \  
  -H 'Authorization: Bearer {{access_token}}' \  
  -H 'X-Oracle-UserId: {user_id}' \  
  -H 'cache-control: no-cache' \  
  -H 'content-type: multipart/form-data; boundary=----  
WebKitFormBoundary7MA4YWxkTrZu0gW' \  
  -F 'json={  
    "version": "1.0.1",  
    "description": "Jenkins",  
    "serviceType": "OCIOrchestration",  
    "resources": [{  
      "serviceType": "OCIOrchestration",  
      "type": "terraform",  
      "properties": [{  
        "name": "artifact",  
        "value": "15990161",  
        "valueProperties": [{  
          "name": "name",  
          "value": "APSREST_AF_02132019"  
        }]  
      }],  
    },  
    {  
      "name": "compartmentId",  
      "source": "end_user",  
      "displayName": "Compartment ID",  
      "dataType": "string",  
      "mandatory": true,  
      "custom": false,  
      "cardinality": "SINGLE_VALUE"  
    }  
  ]  
}]  
'
```

Response:

```
{  
  "message": "Listing Template created with Template Id 16034937 for Listing Version  
Id 16034919",  
  "entityId": "16034937"  
}
```

2.8 SUBMIT THE APPLICATION LISTING FOR APPROVAL

Note: Here the "Enable this partner to approve a new listing without requiring Oracle approval" option is enabled for this partner.

Request:

```
curl -X PATCH \  

```

```

{endpoint_url}/appstore/publisher/v1/applications/16034919 \
-H 'Authorization: Bearer {{access_token}}' \
-H 'Content-Type: application/json' \
-H 'X-Oracle-UserId: {user_id}' \
-H 'cache-control: no-cache' \
-d '{"action": "submit",
"note": "Submitting the Applplication"}'
Response:
{
  "message": "submit operation successful on listing.",
  "entityId": "16034919"
}

```

2.9 GET APPLICATION LISTING DETAILS (TO VERIFY IF THE LISTING HAS BEEN APPROVED OR NOT)

```

Request:
curl -X GET \
  {endpoint_url}/appstore/publisher/v1/applications/16034919 \
  -H 'Authorization: Bearer {{access_token}}' \
  -H 'Content-Type: application/json' \
  -H 'X-Oracle-UserId: {user_id}' \
  -H 'cache-control: no-cache'
Response:
{
  "name": "Jenkins",
  "listingId": 16034918,
  "listingVersionId": 16034919,
  "products": [
    {
      "code": "oci",
      "name": "Oracle Cloud Infrastructure",
      "categories": [
        {
          "code": "APPLICATION_STACKS",
          "name": "Project Management"
        }
      ]
    }
  ],
  "deviceType": {
    "code": "BROWSER",
    "name": "Browser"
  },
  "pricing": {
    "type": "FREE",
    "name": "Free",
    "description": null
  },
  "isPrivate": false,
  "shortDescription": "Short description",
  "longDescription": "Long description",
  "usageInformation": "Usage Information",
  "tags": "Jenkins",
  "tagLine": "Continuous Integration and Continuous Delivery",

```

```

"listingContentLanguage": {
  "code": "en_US",
  "name": "English"
},
"versionDetails": {
  "versionNumber": "4.0.0-0 on OL 7.5",
  "releaseDate": "2018-07-10T00:00:00.000Z"
},
"systemRequirements": "System Requirements",
"hasTemplate": true,
"languages": [
  {
    "code": "en_US",
    "name": "English"
  }
],
"status": "APPROVED",
"support": {
  "contacts": null,
  "links": [
    {
      "name": "Support Page",
      "url": "https://example.com/support/oci"
    },
    {
      "name": "Community",
      "url": "https://community.example.com/"
    }
  ]
},
"icon": {
  "name": "content.png",
  "contentURL": "https://ocm-apis-
cloud.oracle.com/partner/content?contentId=16034935",
  "resourceURL": "https://ocm-apis-
cloud.oracle.com/appstore/publisher/v1/applications/16034919/icon/16034935",
  "mimeType": "image/png",
  "fileExtension": "png"
},
"availableInAllRegions": true,
"regions": [],
"packageAvailable": true,
"versionedListing": false,
"lastUpdateDate": "2019-02-13T04:40:39.003Z",
"partnerId": 7972187,
"links": [
  {
    "rel": "CANONICAL",
    "href": "https://ocm-apis-
cloud.oracle.com/appstore/publisher/v1/applications/16034919"
  }
]
}

```

2.10 PUBLISH THE APPLICATION LISTING

```
Request:
curl -X PATCH \
  {endpoint_url}/appstore/publisher/v1/applications/16034919 \
  -H 'Authorization: Bearer {{access_token}}' \
  -H 'Content-Type: application/json' \
  -H 'X-Oracle-UserId: {user_id}' \
  -H 'cache-control: no-cache' \
  -d '{"action": "publish"}'
Response:
{
  "message": "publish operation successful on listing. Earlier version, if any, would
be withdrawn.",
  "entityId": "16034919"
}
```

2.11 CREATE A NEW VERSION FOR THE APPLICATION LISTING

```
Request:
curl -X POST \
  {endpoint_url}/appstore/publisher/v1/applications/16034919/version \
  -H 'Authorization: Bearer {{access_token}}' \
  -H 'cache-control: no-cache' \
  -H 'content-type: application/json' \
  -H 'x-oracle-userid: {user_id}'
Response:
{
  "message": "A new version was created.",
  "entityId": "16034994"
}
```

2.12 UPDATE THE VERSIONED LISTING DETAILS - UPDATE DESCRIPTION FIELDS

```
curl -X PATCH \
  {endpoint-url}/appstore/publisher/v1/applications/16034994 \
  -H 'authorization: Bearer {{access_token}}' \
  -H 'cache-control: no-cache' \
  -H 'content-type: application/json' \
  -H 'x-oracle-userid: {user_id}' \
  -d '{
    "longDescription": "Modified Listing long description",
    "shortDescription": "Modified Listing short description "
  }'
Response:
{
  "message": "Listing was updated successfully.",
  "entityId": "16034998",
  "name": "Jenkins"
}
```

2.13 GET THE PACKAGE VERSION ID [NEEDED FOR PACKAGE VERSION CREATION]

Note: OCI package operations available with Publisher Application version V2.

```
Request:
curl -X GET \
  {endpoint-url}/appstore/publisher/v2/applications/16034994/packages \
  -H 'authorization: Bearer {{access_token}}' \
  -H 'cache-control: no-cache' \
  -H 'content-type: application/json' \
  -H 'x-oracle-userid: {user_id}'

Response:
{
  "items": [
    {
      "Package": {
        "id": 16034937,
        "serviceType": "OCIOrchestration",
        "description": "Jenkins",
        "version": "1.0.1",
        "status": {
          "code": "published",
          "displayName": "Published"
        },
        "referredByOtherListings": true,
        "resources": [
          {
            "id": 16034938,
            "type": "terraform",
            "serviceType": "OCIOrchestration",
            "properties": [
              {
                "name": "artifact",
                "source": "publisher",
                "value": "15990161",
                "displayName": "Artifact",
                "dataType": "artifact",
                "mandatory": true,
                "custom": false,
                "supportedFiles": "TERRAFORM_TEMPLATE",
                "cardinality": "SINGLE_VALUE",
                "valueProperties": [
                  {
                    "name": "name",
                    "value": "APSREST_AF_02132019"
                  },
                  {
                    "name": "CreationDate",
                    "value": "Sep 17, 2018 02:41 AM"
                  }
                ]
              }
            ]
          }
        ]
      }
    }
  ]
}
```

```

        "name": "displayName",
        "source": "publisher",
        "value": "terraform-oci-jenkins",
        "displayName": "Display Name",
        "dataType": "string",
        "mandatory": false,
        "custom": false,
        "cardinality": "SINGLE_VALUE"
    }
  ]
},
"default": true
}
],
"hasMore": false,
"count": 1,
"totalResults": 1,
"links": [
  {
    "rel": "CANONICAL",
    "href": "https://ocm-apis-
cloud.oracle.com/appstore/publisher/v2/applications/16034919/packages"
  },
  {
    "rel": "SELF",
    "href": "https://ocm-apis-
cloud.oracle.com/appstore/publisher/v2/applications/16034919/packages"
  }
]
}
}

```

2.14 CREATE A PACKAGE VERSION (FROM EXISTING PACKAGE)

Note: OCI package operations available with Publisher Application version V2.

In URL: /appstore/publisher/v2/applications/16034994/packages/16034937/version

Here 16034994 is the listingVersionId & 16034937 is packageId of the newly versioned package

```

Request:
curl -X PATCH \
  {endpoint_url}/appstore/publisher/v2/applications/16034994/packages/16034937/version \
  -H 'Authorization: Bearer {{access_token}}' \
  -H 'cache-control: no-cache' \
  -H 'content-type: application/json' \
  -H 'x-oracle-userid: {user_id}'
Response:
{
  "message": "Listing Template created with Template Id 16035011 for Listing Version
Id 16034994",
  "entityId": "16035011"
}

```



```
}
```

2.15 UPDATE VERSIONED PACKAGE DETAILS - UPDATE HEADER

Note: OCI package operations available with Publisher Application version V2.

```
Request:
curl -X PUT \
{endpoint-url}/appstore/publisher/v2/applications/16034994/packages/16035011 \
-H 'authorization: Bearer {{access_token}}' \
-H 'cache-control: no-cache' \
-H 'content-type: multipart/form-data; boundary=----
WebKitFormBoundary7MA4YWxkTrZu0gW' \
-H 'x-oracle-userid: {user_id}' \
-F 'json={
  "description": "Description of package",
  "version": "2.0.1",
  "tncId": "",
  "serviceType" : "OCIOrchestration"
}'

Response:
{
  "message": "Listing Template Updated with Id 16035011 for Listing Version Id
16034994",
  "entityId": "16035011"
}
```

2.16 UPDATE VERSIONED PACKAGE DETAILS - ASSOCIATE NEWLY CREATED ARTIFACT

Note: OCI package operations available with Publisher Application version V2.

```
Request:
curl -X PUT \
{endpoint-url}/appstore/publisher/v2/applications/16034994/packages/16035011 \
-H 'authorization: Bearer {{access_token}}' \
-H 'cache-control: no-cache' \
-H 'content-type: multipart/form-data; boundary=----
WebKitFormBoundary7MA4YWxkTrZu0gW' \
-H 'x-oracle-userid: {user_id}' \
-F 'json={

"resources": [
  {
    "serviceType": "OCIOrchestration",
    "type": "terraform",
    "properties": [
      {
        "name": "artifact",
        "value": "15849717",
        "valueProperties": [
          {
            "name": "name",
```

```

        "value": "TFArtifact_110118-1051"
      }
    ]
  },
  {
    "name": "compartmentId",
    "source": "end_user",
    "displayName": "Compartment ID",
    "dataType": "string",
    "mandatory": true,
    "custom": false,
    "cardinality": "SINGLE_VALUE"
  }
]
}
]
}'
Response:
{
  "message": "Successfully saved Template Resource for Template Id 16035011 ",
  "entityId": "1603501 "
}

```

2.17 TO SET A PACKAGE VERSION AS DEFAULT - MARK AS DEFAULT

Note: OCI package operations available with Publisher Application version V2.

```

Request:
curl -X PATCH \
  {endpoint-url}/appstore/publisher/v2/applications/16034994/packages/16035011 \
  -H 'authorization: Bearer {{access_token}}' \
  -H 'cache-control: no-cache' \
  -H 'content-type: application/json' \
  -H 'x-oracle-userid: {user_id}' \
  -d '{"action": "default"}'

Response:
{
  "message": "ListingPackage default was successful.",
  "entityId": "16034994"
}

```

2.18 TO UNPUBLISH ONE OF THE EXISTING PACKAGES

Note: OCI package operations available with Publisher Application version V2.

We cannot unpublish the default package.

We cannot unpublish when only one package exists for a listing.

```

Request:
curl -X PATCH \

```

```
{endpoint-url}/appstore/publisher/v2/applications/16034994/packages/16034937 \  
-H 'authorization: Bearer {{access_token}}' \  
-H 'cache-control: no-cache' \  
-H 'content-type: application/json' \  
-H 'x-oracle-userid: {user_id}' \  
-d '{"action": "unpublish"}'
```

Response:

```
{  
  "message": "Request for unpublish has been created successfully. The package will be  
unpublished when the listing is published.",  
  "entityId": "16034994"  
}
```

2.19 TO REPUBLISH THE UNPUBLISHED PACKAGE

Note: OCI package operations available with Publisher Application version V2.

```
Request:  
curl -X PATCH \  
  {endpoint-url}/appstore/publisher/v2/applications/16034994/packages/16034937 \  
-H 'authorization: Bearer {{access_token}}' \  
-H 'cache-control: no-cache' \  
-H 'content-type: application/json' \  
-H 'x-oracle-userid: {user_id}' \  
-d '{"action": "publish"}'
```

Response:

```
{  
  "message": "Request for unpublish has been removed successfully.",  
  "entityId": "16034994"  
}
```

Note: On environments that don't have legitimate certificates, need to add -k to turn off curls verification of certificates.

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Publish an OCI Resource Manager listing to OCI Marketplace using REST API
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