

SafeNet Data Protection On Demand 1.6

API REFERENCE GUIDE



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Data Protection on Demand (DPoD) API

Gemalto

Version 1.6.0, 2018-08-30

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Overview

The DPoD API can manage HSM on Demand services.

Version information

Version : 1.6.0

URI scheme

BasePath : /v1

Schemes : HTTPS

Produces

- `application/json`

Security

OAuth2

Type : oauth2

Flow : application

Token URL : /oauth/token

Name	Description
dpod.tenant.spadmin	Service provider tenant administrator
dpod.tenant.admin	Tenant administrator
dpod.tenant.appowner	Application owner
dpod.tenant.api_appowner	Application owner credentials
dpod.tenant.api_service	Service credentials

Paths

Provision a service instance

POST /service_instances

Description

Provision a DPOD platform service instances.

Parameters

Type	Name	Description	Schema
Body	serviceRequest <i>required</i>	Contains the name of the service to create, and the passwords to set on that service. If no Crypto User password is provided, the Crypto User role will not be created.	serviceRequest

serviceRequest

Name	Description	Schema
createParams <i>optional</i>	Pass through parameters for service creations.	< string, object > map
deviceType <i>required</i>	Type of device to use when creating the service. (Deprecated): Please specify deviceType in createParams Default : "cryptovisor"	enum (cryptovisor, cryptovisor_fips)
name <i>required</i>	Name of the service. Length : 4 - 45 Pattern : "[a-z0-9]{4,45}"	string
servicePlan <i>optional</i>	Maximal length : 255	string
serviceType <i>optional</i>	Type of service to create. Ignored if tileId is provided; required if tileId is not provided. Example values: - key_vault - pki_private_key_protection - digital_signing - oracle_tde_database - salesforce_key_broker - hyperledger - protectv Maximal length : 255	string
serviceVersion <i>optional</i>	The version of the service. (Deprecated): Please specify serviceVersion in createParams. Default : "1.0.0"	enum (0.5.0, 1.0.0)
tileId <i>optional</i>	If provided, a service of the type specified by the given tile will be created. Takes precedence over serviceType, if that field is provided.	string (uuid)

Responses

HTTP Code	Description	Schema
201	Service created.	No Content
default	Unexpected error.	Response default

Response default

Name	Schema
code <i>required</i>	integer (int32)
message <i>required</i>	string

Consumes

- `application/json`

Security

Type	Name	Scopes
oauth2	OAuth2	dpod.tenant.appowner, dpod.tenant.api_appowner

Show active service instances

```
GET /service_instances
```

Description

Return information about the active services existing in your tenant space.

Parameters

Type	Name	Description	Schema
Query	page <i>optional</i>	Page number to retrieve, starting at 0.	integer
Query	size <i>optional</i>	Number of results per page.	integer

Responses

HTTP Code	Description	Schema
200	An array of active services.	Response 200
default	Unexpected error.	Response default

Response 200

Name	Description	Schema
content <i>optional</i>	The array of the services.	< content > array
number <i>required</i>	Current page number out of a total of 'totalPages'.	integer
size <i>required</i>	Number of elements in this response.	integer
totalElements <i>required</i>	Total number of elements.	integer (int64)
totalPages <i>required</i>	Total number of pages.	integer

content

Name	Description	Schema
clients <i>optional</i>	Client names bound to the current service.	< object > array
createdAt <i>optional</i>	Timestamp indicating time of creation.	string
created_by <i>optional</i>	ID of the user who created the service.	string (uuid)
created_by_username <i>optional</i>	User name of the user who created the service.	string
device_type <i>optional</i>	Type of device used for the service.	enum (cryptovisor, cryptovisor_fips)
name <i>optional</i>	Name of the active service.	string
partition_serial_number <i>optional</i>	Serial number of the partition.	string
serviceType <i>optional</i>	Service type.	string

Name	Description	Schema
serviceVersion <i>optional</i>	The version of the service.	enum (0.5.0, 1.0.0)
service_id <i>optional</i>	GUID representing a specific service.	string
subscriberGroup <i>optional</i>	Subscriber group that the service belongs to.	string

Response default

Name	Schema
code <i>required</i>	integer (int32)
message <i>required</i>	string

Produces

- `application/json`

Security

Type	Name	Scopes
oauth2	OAuth2	dpod.tenant.appowner, dpod.tenant.api_appowner, dpod.tenant.admin

Example HTTP response

Response 200

```
{
  "services": [
    {
      "id": "00001111-2222-3333-4444-555566667777",
      "name": "Service A"
    },
    {
      "id": "88889999-AAAA-BBBB-CCCC-DDDDEEEFFFFFF",
      "name": "Service B"
    }
  ]
}
```

Delete service quotas for a tenant

```
DELETE /service_instances/quota
```

Description

Delete service quotas for a tenant.

Parameters

Type	Name	Description	Schema
Query	tenantId <i>required</i>	Tenant ID.	string (uuid)

Responses

HTTP Code	Description	Schema
204	Service quota deleted.	No Content
default	Unexpected error.	Response default

Response default

Name	Schema
code <i>required</i>	integer (int32)
message <i>required</i>	string

Security

Type	Name	Scopes
oauth2	OAuth2	dpod.tenant.spadmin

Update service quotas for a tenant

```
PATCH /service_instances/quota
```

Description

Update service quotas for a tenant.

Parameters

Type	Name	Schema
Body	serviceQuotas <i>required</i>	serviceQuotas

serviceQuotas

Name	Description	Schema
content <i>optional</i>	The array of service quotas.	< content > array

content

Name	Description	Schema
name <i>optional</i>	Name of the service.	string
quota <i>optional</i>	Quota imposed on the service.	integer (int)
tenantId <i>optional</i>	The ID for the tenant whose quota is being set.	string (uuid)

Responses

HTTP Code	Description	Schema
200	Returns information on settings.	Response 200
500	Unexpected error.	Response 500

Response 200

Name	Description	Schema
content <i>optional</i>	The array of service quotas.	< content > array

content

Name	Description	Schema
name <i>optional</i>	Name of the service.	string
quota <i>optional</i>	Quota imposed on the service.	integer (int)

Name	Description	Schema
tenantId <i>optional</i>	The ID for the tenant whose quota is being set.	string (uuid)

Response 500

Name	Schema
code <i>required</i>	integer (int32)
message <i>required</i>	string

Consumes

- `application/json`

Produces

- `application/json`

Security

Type	Name	Scopes
oauth2	OAuth2	dpod.tenant.spadmin

Get a summary of the currently active services

```
GET /service_instances/summary
```

Description

Get a summary of all the currently active services. The list is a composition of all the active services belonging to the tenant's user (or subtenants' user).

Responses

HTTP Code	Description	Schema
200	Returns summary of the services.	< Response 200 > array
500	Unexpected error.	Response 500

Response 200

Name	Description	Schema
count <i>optional</i>	Number of services in use.	integer (int)
serviceType <i>optional</i>	Name of service.	string
tenantId <i>optional</i>	The ID of the tenant.	string (uuid)

Response 500

Name	Schema
code <i>required</i>	integer (int32)
message <i>required</i>	string

Produces

- `application/json`

Security

Type	Name	Scopes
oauth2	OAuth2	dpod.tenant.spadmin

Get usage details

```
GET /service_instances/usageDetails
```

Description

Get usage details of all the services existing during the user provided period. The list is a composition of all the services belonging to the tenant's user (or subtenants' user).

Parameters

Type	Name	Description	Schema
Query	endDate <i>required</i>	End year, month, and day of the report (UTC). The date must belong to the same month as the start date and be the last day of the month. The time should be 11.59PM. The format is "YYYY-MM-DDT23:59:59.999Z" e.g. "2018-02-28T23:59:59.999Z"	string (string)

Type	Name	Description	Schema
Query	startDate <i>required</i>	Start year, month, and day of the report (UTC). The day does not need to be the first day of the month. The time should be 12.00AM. The format is "YYYY-MM-DDT00:00:00.000Z" e.g. "2018-02-19T00:00:00.000Z"	string (string)
Query	tenantId <i>optional</i>	Tenant ID.	string (uuid)

Responses

HTTP Code	Description	Schema
200	Returns information on services.	< Response 200 > array
500	Unexpected error.	Response 500

Response 200

Name	Description	Schema
created_by <i>optional</i>	ID of the user who created the service.	string
created_by_username <i>optional</i>	User name of the user who created the service.	string
created_on <i>optional</i>	Timestamp indication time of creation.	string
deleted_on <i>optional</i>	Timestamp indication time of deletion.	string
metrics <i>optional</i>	A list of usage metrics associated with the service. Each metric is a key-value pair of the metric name and the number of units used. Example : { "Service Month" : 0.567, "Key Hours" : 56 }	< string, number > map
serviceType <i>optional</i>	Type of the active service.	string
service_id <i>optional</i>	GUID representing a specific service.	string
service_name <i>optional</i>	Name of the active service.	string
subscriber_group <i>optional</i>	Name of the subscriber group.	string

Name	Description	Schema
tenant_id <i>optional</i>	GUID of the tenant that the service belongs to.	string (uuid)

Response 500

Name	Schema
code <i>required</i>	integer (int32)
message <i>required</i>	string

Produces

- `application/json`

Security

Type	Name	Scopes
oauth2	OAuth2	dpod.tenant.spadmin

Get usage reports

```
GET /service_instances/usageReport
```

Description

Get the Tenant Administrator's usage reports.

Parameters

Type	Name	Description	Schema
Query	endDate <i>required</i>	End year, month, and day of the report (UTC). The date must belong to the same month as the start date and be the last day of the month. The time should be 11.59PM. The format is "YYYY-MM-DDT23:59:59.999Z" e.g. "2018-02-28T23:59:59.999Z"	string (string)
Query	startDate <i>required</i>	Start year, month, and day of the report (UTC). The day does not need to be the first day of the month. The time should be 12.00AM. The format is "YYYY-MM-DDT00:00:00.000Z" e.g. "2018-02-19T00:00:00.000Z"	string (string)

Responses

HTTP Code	Description	Schema
200	Returns file.	file
500	Unexpected error.	Response 500

Response 500

Name	Schema
code <i>required</i>	integer (int32)
message <i>required</i>	string

Security

Type	Name	Scopes
oauth2	OAuth2	dpod.tenant.admin

Show service instance details

```
GET /service_instances/{id}
```

Description

Get details of the service instance matching the given service id.

Parameters

Type	Name	Description	Schema
Path	id <i>required</i>	The resource ID.	string (uuid)

Responses

HTTP Code	Description	Schema
200	Details about the requested service.	Response 200
default	Unexpected error.	Response default

Response 200

Name	Description	Schema
clients <i>optional</i>	Client names bound to the current service.	< object > array
createdAt <i>optional</i>	Timestamp indicating time of creation.	string
created_by <i>optional</i>	ID of the user who created the service.	string (uuid)
created_by_username <i>optional</i>	User name of the user who created the service.	string
device_type <i>optional</i>	Type of device used for the service.	enum (cryptovisor, cryptovisor_fips)
name <i>optional</i>	Name of the active service.	string
partition_serial_number <i>optional</i>	Serial number of the partition.	string
serviceType <i>optional</i>	Service type.	string
serviceVersion <i>optional</i>	The version of the service.	enum (0.5.0, 1.0.0)
service_id <i>optional</i>	GUID representing a specific service.	string
subscriberGroup <i>optional</i>	Subscriber group that the service belongs to.	string

Response default

Name	Schema
code <i>required</i>	integer (int32)
message <i>required</i>	string

Produces

- `application/json`

Security

Type	Name	Scopes
oauth2	OAuth2	dpod.tenant.appowner, dpod.tenant.admin, dpod.tenant.api_appowner, dpod.tenant.api_service

Example HTTP response

Response 200

```
{
  "id": "00001111-2222-3333-4444-555566667777",
  "name": "Service A"
}
```

Unprovision an active service instance

```
DELETE /service_instances/{id}
```

Description

Delete the service instance matching with the given service id. Any existing credentials will be invalidated.

Parameters

Type	Name	Description	Schema
Path	id <i>required</i>	The resource ID.	string (uuid)

Responses

HTTP Code	Description	Schema
204	Service was deleted.	No Content
default	Unexpected error.	Response default

Response default

Name	Schema
code <i>required</i>	integer (int32)
message <i>required</i>	string

Security

Type	Name	Scopes
oauth2	OAuth2	dpod.tenant.appowner, dpod.tenant.api_appowner

Show all active client bindings

```
GET /service_instances/{id}/bindings
```

Description

Get the list of provisioned client bindings.

Parameters

Type	Name	Description	Schema
Path	id <i>required</i>	The resource ID.	string (uuid)
Query	page <i>optional</i>	Page number to retrieve, starting at 0.	integer
Query	size <i>optional</i>	Number of results per page.	integer

Responses

HTTP Code	Description	Schema
200	Details about the requested client.	Response 200
default	Unexpected error.	Response default

Response 200

Name	Description	Schema
content <i>optional</i>	The array of the clients.	< object > array
number <i>required</i>	Current page number out of a total of 'totalPages'.	integer
size <i>required</i>	Number of elements in this response.	integer
totalElements <i>required</i>	Total number of elements.	integer (int64)

Name	Description	Schema
totalPages <i>required</i>	Total number of pages.	integer

Response default

Name	Schema
code <i>required</i>	integer (int32)
message <i>required</i>	string

Produces

- `application/json`

Security

Type	Name	Scopes
oauth2	OAuth2	dpod.tenant.appowner, dpod.tenant.api_appowner, dpod.tenant.api_service

Generate a client binding to an existing service instance

```
PUT /service_instances/{id}/bindings
```

Description

Create a new client binding for the targeted service.

Parameters

Type	Name	Description	Schema
Path	id <i>required</i>	The resource ID.	string (uuid)
Body	BindingRequest <i>optional</i>	Parameters for creating a new client.	BindingRequest

BindingRequest

Name	Description	Schema
bindingParams <i>optional</i>	Pass through parameters for service creations.	< string, object > map
name <i>optional</i>	Client name.	string

Responses

HTTP Code	Description	Schema
201	Returns a free-form hash of credentials that can be used by the application owner to access the service..	Response 201
500	Unexpected error.	Response 500

Response 201

Name	Schema
credentials <i>optional</i>	object
parameters <i>optional</i>	object

Response 500

Name	Schema
code <i>required</i>	integer (int32)
message <i>required</i>	string

Consumes

- `application/json`

Security

Type	Name	Scopes
oauth2	OAuth2	dpod.tenant.appowner, dpod.tenant.api_appowner, dpod.tenant.api_service

Show client binding details

```
GET /service_instances/{id}/bindings/{clientId}
```

Description

Get the client binding details matching the given client id.

Parameters

Type	Name	Description	Schema
Path	clientId <i>required</i>	Bound client ID.	string (uuid)
Path	id <i>required</i>	The resource ID.	string (uuid)

Responses

HTTP Code	Description	Schema
200	Details about the requested client.	Response 200
default	Unexpected error.	Response default

Response 200

Name	Description	Schema
createdAt <i>optional</i>	Date/time the resource was created.	string
created_by <i>optional</i>	ID of the user who created the client.	string (uuid)
created_by_username <i>optional</i>	User name of the user who created the client.	string
id <i>optional</i>	GUID representing the resource.	string (uuid)
name <i>optional</i>	Client name.	string
updatedAt <i>optional</i>	Date/time the resource was updated.	string

Response default

Name	Schema
code <i>required</i>	integer (int32)
message <i>required</i>	string

Produces

- `application/json`

Security

Type	Name	Scopes
oauth2	OAuth2	dpod.tenant.appowner, dpod.tenant.api_appowner, dpod.tenant.api_service

Unbind a client of a service

```
DELETE /service_instances/{id}/bindings/{clientId}
```

Description

Unbind the client matching the given client id.

Parameters

Type	Name	Description	Schema
Path	clientId <i>required</i>	Bound client ID.	string (uuid)
Path	id <i>required</i>	The resource ID.	string (uuid)

Responses

HTTP Code	Description	Schema
204	Client unbound.	No Content
default	Unexpected error.	Response default

Response default

Name	Schema
code <i>required</i>	integer (int32)
message <i>required</i>	string

Security

Type	Name	Scopes
oauth2	OAuth2	dpod.tenant.appowner, dpod.tenant.api_appowner, dpod.tenant.api_service

Service API

Create a service. ~~Deprecated, see: POST /service_instances~~

POST /services

Description

Provision a DPOD platform service. This API is deprecated and is only used by HSM On Demand and Key Management On Demand Services. Use the POST /service_instances instead.

Parameters

Type	Name	Description	Schema
Body	serviceRequest <i>required</i>	Contains the name of the service to create, and the passwords to set on that service. If no Crypto User password is provided, the Crypto User role will not be created.	serviceRequest

serviceRequest

Name	Description	Schema
createParams <i>optional</i>	Pass through parameters for service creations.	< string, object > map
deviceType <i>required</i>	Type of device to use when creating the service. (Deprecated): Please specify deviceType in createParams Default : "cryptovisor"	enum (cryptovisor, cryptovisor_fips)
name <i>required</i>	Name of the service. Length : 4 - 45 Pattern : "[a-z0-9]{4,45}"	string

Name	Description	Schema
servicePlan <i>optional</i>	Maximal length : 255	string
serviceType <i>optional</i>	Type of service to create. Ignored if tileId is provided; required if tileId is not provided. Example values: - key_vault - pki_private_key_protection - digital_signing - oracle_tde_database - salesforce_key_broker - hyperledger - protectv Maximal length : 255	string
serviceVersion <i>optional</i>	The version of the service. (Deprecated): Please specify serviceVersion in createParams. Default : "1.0.0"	enum (0.5.0, 1.0.0)
tileId <i>optional</i>	If provided, a service of the type specified by the given tile will be created. Takes precedence over serviceType, if that field is provided.	string (uuid)

Responses

HTTP Code	Description	Schema
201	Service created.	No Content
default	Unexpected error.	Response default

Response default

Name	Schema
code <i>required</i>	integer (int32)
message <i>required</i>	string

Consumes

- `application/json`

Security

Type	Name	Scopes
oauth2	OAuth2	dpod.tenant.appowner, dpod.tenant.api_appowner

Show active services. Deprecated, see: [GET /service_instances](#)

GET /services

Description

Return information about the active services existing in your tenant space. This API is deprecated and is only used by HSM On Demand and Key Management On Demand Services. Use the GET `/service_instances` instead.

Parameters

Type	Name	Description	Schema
Query	page <i>optional</i>	Page number to retrieve, starting at 0.	integer
Query	size <i>optional</i>	Number of results per page.	integer

Responses

HTTP Code	Description	Schema
200	An array of active services.	Response 200
default	Unexpected error.	Response default

Response 200

Name	Description	Schema
content <i>optional</i>	The array of the services.	< content > array
number <i>required</i>	Current page number out of a total of 'totalPages'.	integer
size <i>required</i>	Number of elements in this response.	integer
totalElements <i>required</i>	Total number of elements.	integer (int64)
totalPages <i>required</i>	Total number of pages.	integer

content

Name	Description	Schema
clients <i>optional</i>	Client names bound to the current service.	< object > array
createdAt <i>optional</i>	Timestamp indicating time of creation.	string

Name	Description	Schema
created_by <i>optional</i>	ID of the user who created the service.	string (uuid)
created_by_username <i>optional</i>	User name of the user who created the service.	string
device_type <i>optional</i>	Type of device used for the service.	enum (cryptovisor, cryptovisor_fips)
name <i>optional</i>	Name of the active service.	string
partition_serial_number <i>optional</i>	Serial number of the partition.	string
serviceType <i>optional</i>	Service type.	string
serviceVersion <i>optional</i>	The version of the service.	enum (0.5.0, 1.0.0)
service_id <i>optional</i>	GUID representing a specific service.	string
subscriberGroup <i>optional</i>	Subscriber group that the service belongs to.	string

Response default

Name	Schema
code <i>required</i>	integer (int32)
message <i>required</i>	string

Produces

- `application/json`

Security

Type	Name	Scopes
oauth2	OAuth2	dpod.tenant.appowner, dpod.tenant.api_appowner, dpod.tenant.admin

Example HTTP response

Response 200

```
{
  "services": [
    {
      "id": "00001111-2222-3333-4444-555566667777",
      "name": "Service A"
    },
    {
      "id": "88889999-AAAA-BBBB-CCCC-DDDDEEEFFFFFF",
      "name": "Service B"
    }
  ]
}
```

Show service details. Deprecated, see: [GET /service_instances/{id}](#)

```
GET /services/{id}
```

Description

Get details of the service with the given ID. This API is deprecated and is only used by HSM On Demand and Key Management On Demand Services. Use the [GET /service_instances/{id}](#) instead.

Parameters

Type	Name	Description	Schema
Path	id <i>required</i>	The resource ID.	string (uuid)

Responses

HTTP Code	Description	Schema
200	Details about the requested service.	Response 200
default	Unexpected error.	Response default

Response 200

Name	Description	Schema
clients <i>optional</i>	Client names bound to the current service.	< object > array

Name	Description	Schema
createdAt <i>optional</i>	Timestamp indicating time of creation.	string
created_by <i>optional</i>	ID of the user who created the service.	string (uuid)
created_by_username <i>optional</i>	User name of the user who created the service.	string
device_type <i>optional</i>	Type of device used for the service.	enum (cryptovisor, cryptovisor_fips)
name <i>optional</i>	Name of the active service.	string
partition_serial_number <i>optional</i>	Serial number of the partition.	string
serviceType <i>optional</i>	Service type.	string
serviceVersion <i>optional</i>	The version of the service.	enum (0.5.0, 1.0.0)
service_id <i>optional</i>	GUID representing a specific service.	string
subscriberGroup <i>optional</i>	Subscriber group that the service belongs to.	string

Response default

Name	Schema
code <i>required</i>	integer (int32)
message <i>required</i>	string

Produces

- `application/json`

Security

Type	Name	Scopes
oauth2	OAuth2	dpod.tenant.appowner, dpod.tenant.admin, dpod.tenant.api_appowner, dpod.tenant.api_service

Example HTTP response

Response 200

```
{
  "id": "00001111-2222-3333-4444-555566667777",
  "name": "Service A"
}
```

Remove an active service. **Deprecated, see: DELETE /service_instances/{id}**

```
DELETE /services/{id}
```

Description

Delete the service with the given ID. Any existing credentials will be invalidated. This API is deprecated and is only used by HSM On Demand and Key Management On Demand Services. Use the DELETE /service_instances/{id} instead.

Parameters

Type	Name	Description	Schema
Path	id <i>required</i>	The resource ID.	string (uuid)

Responses

HTTP Code	Description	Schema
204	Service was deleted.	No Content
default	Unexpected error.	Response default

Response default

Name	Schema
code <i>required</i>	integer (int32)
message <i>required</i>	string

Security

Type	Name	Scopes
oauth2	OAuth2	dpod.tenant.appowner, dpod.tenant.api_appowner

Show all active clients. **Deprecated, see: GET /service_instances/{id}/bindings/{clientId}**

GET /services/{id}/client

Description

Get the list of provisioned clients. This API is deprecated and is only used by HSM On Demand and Key Management On Demand Services. Use the GET /service_instances/{id}/bindings instead.

Parameters

Type	Name	Description	Schema
Path	id <i>required</i>	The resource ID.	string (uuid)
Query	page <i>optional</i>	Page number to retrieve, starting at 0.	integer
Query	size <i>optional</i>	Number of results per page.	integer

Responses

HTTP Code	Description	Schema
200	Details about the requested client.	Response 200
default	Unexpected error.	Response default

Response 200

Name	Description	Schema
content <i>optional</i>	The array of the clients.	< object > array
number <i>required</i>	Current page number out of a total of 'totalPages'.	integer
size <i>required</i>	Number of elements in this response.	integer
totalElements <i>required</i>	Total number of elements.	integer (int64)

Name	Description	Schema
totalPages <i>required</i>	Total number of pages.	integer

Response default

Name	Schema
code <i>required</i>	integer (int32)
message <i>required</i>	string

Produces

- `application/json`

Security

Type	Name	Scopes
oauth2	OAuth2	dpod.tenant.appowner, dpod.tenant.api_appowner, dpod.tenant.api_service

Bind a client to a service. **Deprecated, see: PUT /service_instances/{id}/bindings/{clientId}**

```
PUT /services/{id}/client
```

Description

Create a new client binding for the targeted service. This API is deprecated and is only used by HSM On Demand and Key Management On Demand Services. Use the PUT `/service_instances/{id}/bindings` instead.

Parameters

Type	Name	Description	Schema
Path	id <i>required</i>	The resource ID.	string (uuid)
Body	BindRequest <i>optional</i>	Parameters for creating a new client.	BindRequest

BindRequest

Name	Description	Schema
name <i>optional</i>	Client name.	string

Responses

HTTP Code	Description	Schema
200	Returns file.	file
500	Unexpected error.	Response 500

Response 500

Name	Schema
code <i>required</i>	integer (int32)
message <i>required</i>	string

Consumes

- `application/json`

Security

Type	Name	Scopes
oauth2	OAuth2	dpod.tenant.appowner, dpod.tenant.api_appowner, dpod.tenant.api_service

Show client details. Deprecated, see: [GET /service_instances/{id}/bindings/{clientId}](#)

```
GET /services/{id}/client/{clientId}
```

Description

Get the client binding details matching the given client id. This API is deprecated and is only used by HSM On Demand and Key Management On Demand Services. Use the [GET /service_instances/{id}/bindings/{clientId}](#) instead.

Parameters

Type	Name	Description	Schema
Path	clientId <i>required</i>	Bound client ID.	string (uuid)
Path	id <i>required</i>	The resource ID.	string (uuid)

Responses

HTTP Code	Description	Schema
200	Details about the requested client.	Response 200
default	Unexpected error.	Response default

Response 200

Name	Description	Schema
createdAt <i>optional</i>	Date/time the resource was created.	string
created_by <i>optional</i>	ID of the user who created the client.	string (uuid)
created_by_username <i>optional</i>	User name of the user who created the client.	string
id <i>optional</i>	GUID representing the resource.	string (uuid)
name <i>optional</i>	Client name.	string
updatedAt <i>optional</i>	Date/time the resource was updated.	string

Response default

Name	Schema
code <i>required</i>	integer (int32)
message <i>required</i>	string

Produces

- `application/json`

Security

Type	Name	Scopes
oauth2	OAuth2	dpod.tenant.appowner, dpod.tenant.api_appowner, dpod.tenant.api_service

Unbind a client of a service. **Deprecated, see: DELETE /service_instances/{id}/bindings/{clientId}**

```
DELETE /services/{id}/client/{clientId}
```

Description

Unbind the client matching the given client id. This API is deprecated and is only used by HSM On Demand and Key Management On Demand Services. Use the DELETE /service_instances/{id}/bindings/{clientId} instead.

Parameters

Type	Name	Description	Schema
Path	clientId <i>required</i>	Bound client ID.	string (uuid)
Path	id <i>required</i>	The resource ID.	string (uuid)

Responses

HTTP Code	Description	Schema
204	Client unbound.	No Content
default	Unexpected error.	Response default

Response default

Name	Schema
code <i>required</i>	integer (int32)
message <i>required</i>	string

Security

Type	Name	Scopes
oauth2	OAuth2	dpod.tenant.appowner, dpod.tenant.api_appowner, dpod.tenant.api_service

Marketplace API

List all the tiles available to a tenant

GET /tiles

Description

Lists the tiles available to the current user, or to the tenant specified in the query parameter.

Parameters

Type	Name	Description	Schema
Query	page <i>optional</i>	Page number to retrieve. If the size is specified and the page number is not, the page number is set to 0.	integer
Query	size <i>optional</i>	Number of results per page. If the page number is specified and the page size is not, the page size is set to 20.	integer
Query	tenantId <i>optional</i>	ID of the tenant to query for tile availability. Service provider administrators can use this parameter to query the tiles of their child tenants. Other users should not use this parameter; if they do, they must set it to their own tenant's ID.	string (uuid)

Responses

HTTP Code	Description	Schema
200	An array of available tiles.	Response 200
400	The current user is not allowed to search by tenant, the specified page number is less than zero, or the specified page size is less than 1.	No Content
403	The current user does not have access to the specified tenant's tile list.	No Content
default	Unexpected error.	Response default

Response 200

Name	Description	Schema
content <i>optional</i>	The array of the resources.	< object > array
number <i>required</i>	Current page number out of a total of 'totalPages'.	integer
size <i>required</i>	Number of elements in this response.	integer
totalElements <i>required</i>	Total number of elements.	integer (int64)
totalPages <i>required</i>	Total number of pages.	integer

Response default

Name	Description	Schema
detail <i>optional</i>	A human readable explanation specific to this occurrence of the problem. Example : "Connection to database timed out"	string
instance <i>optional</i>	An absolute URI that identifies the specific occurrence of the problem. It may or may not yield further information if dereferenced.	string (uri)
status <i>optional</i>	The HTTP status code generated by the origin server for this occurrence of the problem. Minimum value : 100 Maximum value (exclusive) : 600 Example : 503	integer (int32)
title <i>optional</i>	A short, summary of the problem type. Written in English and readable for engineers (usually not suited for non technical stakeholders and not localized); example: Service Unavailable	string
type <i>optional</i>	An absolute URI that identifies the problem type. When dereferenced, it SHOULD provide human-readable documentation for the problem type (e.g., using HTML). Default : "about:blank" Example : "https://zalando.github.io/problem/constraint-violation"	string (uri)

Security

Type	Name	Scopes
oauth2	OAuth2	dpod.tenant.spadmin, dpod.tenant.admin, dpod.tenant.appowner, dpod.tenant.api_appowner

Get details about a specific tile

```
GET /tiles/{id}
```

Description

Returns detailed information about a specific tile. The tile must be assigned to the tenant that the caller belongs to.

Parameters

Type	Name	Description	Schema
Path	id <i>required</i>	The ID of the tile to retrieve.	string (uuid)

Responses

HTTP Code	Description	Schema
200	Information about a valid tile.	Response 200
403	The specified tile cannot be accessed by this user.	Response 403
404	The specified tile does not exist.	Response 404
default	Unexpected error.	Response default

Response 200

Name	Description	Schema
description <i>optional</i>	A text description of the type of service that can be created with this tile.	string
enabled <i>optional</i>	If a tile is enabled, a user can create a service with it, or a tenant administrator can enable/disable the tile for their subtenants. Default : <i>false</i>	boolean
id <i>optional</i> <i>read-only</i>	A unique UUID associated with this tile.	string (uuid)
name <i>optional</i>	The UI displayed name of this tile. Typically this will be the name of the service type it represents.	string

Name	Description	Schema
serviceBrokerServiceName <i>optional</i>	A CLI-friendly name of the targeted service inside the service broker's catalog. MUST only contain alphanumeric characters, periods, and hyphens (no spaces). MUST be unique. This value is present only for tiles linked to a service broker. This field is required when the serviceBrokerUrl is defined.	string
serviceBrokerUrl <i>optional</i>	The URL of the service broker managing the targeted service defined in 'serviceBrokerServiceName'. Empty if the tile does not use a service broker and use pre existing DPOD services. This field is required when the serviceBrokerServiceName is defined.	string
shortCode <i>optional</i> <i>read-only</i>	A tile can be identified by its ID or by this user friendly short text. This short code can be used while calling the DPoD platform to perform operations on the tile such as service provisioning. Note if the tile's id is provided, it will have priority on the shortcode. Example of values for the pre-existing services: * key_vault - Key Vault * pki_private_key_protection - PKI Private Key Protection * digital_signing - Digital Signing * oracle_tde_database - Oracle TDE Database * salesforce_key_broker - Salesforce Key Broker * hyperledger - Hyperledger A short code is not limited to this list, any new tiles created later on can have another simple and unique tile identifier.	string

Response 403

Name	Description	Schema
detail <i>optional</i>	A human readable explanation specific to this occurrence of the problem. Example : "Connection to database timed out"	string
instance <i>optional</i>	An absolute URI that identifies the specific occurrence of the problem. It may or may not yield further information if dereferenced.	string (uri)
status <i>optional</i>	The HTTP status code generated by the origin server for this occurrence of the problem. Minimum value : 100 Maximum value (exclusive) : 600 Example : 503	integer (int32)
title <i>optional</i>	A short, summary of the problem type. Written in English and readable for engineers (usually not suited for non technical stakeholders and not localized); example: Service Unavailable	string

Name	Description	Schema
type <i>optional</i>	An absolute URI that identifies the problem type. When dereferenced, it SHOULD provide human-readable documentation for the problem type (e.g., using HTML). Default : "about:blank" Example : "https://zalando.github.io/problem/constraint-violation"	string (uri)

Response 404

Name	Description	Schema
detail <i>optional</i>	A human readable explanation specific to this occurrence of the problem. Example : "Connection to database timed out"	string
instance <i>optional</i>	An absolute URI that identifies the specific occurrence of the problem. It may or may not yield further information if dereferenced.	string (uri)
status <i>optional</i>	The HTTP status code generated by the origin server for this occurrence of the problem. Minimum value : 100 Maximum value (exclusive) : 600 Example : 503	integer (int32)
title <i>optional</i>	A short, summary of the problem type. Written in English and readable for engineers (usually not suited for non technical stakeholders and not localized); example: Service Unavailable	string
type <i>optional</i>	An absolute URI that identifies the problem type. When dereferenced, it SHOULD provide human-readable documentation for the problem type (e.g., using HTML). Default : "about:blank" Example : "https://zalando.github.io/problem/constraint-violation"	string (uri)

Response default

Name	Description	Schema
detail <i>optional</i>	A human readable explanation specific to this occurrence of the problem. Example : "Connection to database timed out"	string
instance <i>optional</i>	An absolute URI that identifies the specific occurrence of the problem. It may or may not yield further information if dereferenced.	string (uri)

Name	Description	Schema
status <i>optional</i>	The HTTP status code generated by the origin server for this occurrence of the problem. Minimum value : 100 Maximum value (exclusive) : 600 Example : 503	integer (int32)
title <i>optional</i>	A short, summary of the problem type. Written in English and readable for engineers (usually not suited for non technical stakeholders and not localized); example: Service Unavailable	string
type <i>optional</i>	An absolute URI that identifies the problem type. When dereferenced, it SHOULD provide human-readable documentation for the problem type (e.g., using HTML). Default : "about:blank" Example : "https://zalando.github.io/problem/constraint-violation"	string (uri)

Security

Type	Name	Scopes
oauth2	OAuth2	dpod.tenant.appowner, dpod.tenant.api_appowner

Get plans for the specified tile.

```
GET /tiles/{id}/plans
```

Description

Returns plans for the specified tile.

Parameters

Type	Name	Description	Schema
Path	id <i>required</i>	The ID of the tile whose plans should be retrieved.	string (uuid)

Responses

HTTP Code	Description	Schema
200	Plans of the specified service.	< Response 200 > array
403	The specified tile cannot be accessed by this user.	Response 403
404	The specified tile does not exist.	Response 404

HTTP Code	Description	Schema
default	Unexpected error.	Response default

Response 200

Name	Schema
description <i>required</i>	string
id <i>required</i>	string
name <i>required</i>	string
schemas <i>optional</i>	schemas

schemas

Name	Schema
service_binding <i>optional</i>	service_binding
service_instance <i>optional</i>	service_instance

service_binding

Name	Schema
create <i>optional</i>	create

create

Name	Schema
parameters <i>optional</i>	object

service_instance

Name	Schema
create <i>optional</i>	create
update <i>optional</i>	update

create

Name	Schema
parameters <i>optional</i>	object

update

Name	Schema
parameters <i>optional</i>	object

Response 403

Name	Description	Schema
detail <i>optional</i>	A human readable explanation specific to this occurrence of the problem. Example : "Connection to database timed out"	string
instance <i>optional</i>	An absolute URI that identifies the specific occurrence of the problem. It may or may not yield further information if dereferenced.	string (uri)
status <i>optional</i>	The HTTP status code generated by the origin server for this occurrence of the problem. Minimum value : 100 Maximum value (exclusive) : 600 Example : 503	integer (int32)
title <i>optional</i>	A short, summary of the problem type. Written in English and readable for engineers (usually not suited for non technical stakeholders and not localized); example: Service Unavailable	string
type <i>optional</i>	An absolute URI that identifies the problem type. When dereferenced, it SHOULD provide human-readable documentation for the problem type (e.g., using HTML). Default : "about:blank" Example : "https://zalando.github.io/problem/constraint-violation"	string (uri)

Response 404

Name	Description	Schema
detail <i>optional</i>	A human readable explanation specific to this occurrence of the problem. Example : "Connection to database timed out"	string

Name	Description	Schema
instance <i>optional</i>	An absolute URI that identifies the specific occurrence of the problem. It may or may not yield further information if dereferenced.	string (uri)
status <i>optional</i>	The HTTP status code generated by the origin server for this occurrence of the problem. Minimum value : 100 Maximum value (exclusive) : 600 Example : 503	integer (int32)
title <i>optional</i>	A short, summary of the problem type. Written in English and readable for engineers (usually not suited for non technical stakeholders and not localized); example: Service Unavailable	string
type <i>optional</i>	An absolute URI that identifies the problem type. When dereferenced, it SHOULD provide human-readable documentation for the problem type (e.g., using HTML). Default : "about:blank" Example : "https://zalando.github.io/problem/constraint-violation"	string (uri)

Response default

Name	Description	Schema
detail <i>optional</i>	A human readable explanation specific to this occurrence of the problem. Example : "Connection to database timed out"	string
instance <i>optional</i>	An absolute URI that identifies the specific occurrence of the problem. It may or may not yield further information if dereferenced.	string (uri)
status <i>optional</i>	The HTTP status code generated by the origin server for this occurrence of the problem. Minimum value : 100 Maximum value (exclusive) : 600 Example : 503	integer (int32)
title <i>optional</i>	A short, summary of the problem type. Written in English and readable for engineers (usually not suited for non technical stakeholders and not localized); example: Service Unavailable	string
type <i>optional</i>	An absolute URI that identifies the problem type. When dereferenced, it SHOULD provide human-readable documentation for the problem type (e.g., using HTML). Default : "about:blank" Example : "https://zalando.github.io/problem/constraint-violation"	string (uri)

Security

Type	Name	Scopes
oauth2	OAuth2	dpod.tenant.appowner, dpod.tenant.api_appowner