

API Reference

REST API Server

API Version: 0.1.0

REST APIs for Cloud Provisioning Assistant

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API

1. DISKPRICING

1.1 GET /v1/diskPricing

Retrieves one or more diskPricing

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
where	string	the filters query parameter (ex.: {"number": 10})
projection	string	the projections query parameter (ex.: {"name": 1})
sort	string	the sort query parameter (ex.: "city-lastname")
page	integer	the pages query parameter
max_results	integer	the max results query parameter

RESPONSE

STATUS CODE - 200: An array of diskPricing

RESPONSE MODEL - application/json

```
{
  _items [{
    Array of object:
    disk_type*      string max:100 chars
    region*         string 1 to 40 chars
    pricing_model*  enum    DEFAULT:ON-DEMAND
                                ALLOWED:ON_DEMAND, SPOT, RESERVED, DEDICATED, 1YR-
                                PARTIAL-PAY, 1YR-COMMITMENT, 3YR-COMMITMENT
    cost_per_hour_usd* number >=0
    _id             string
  }]
  _meta {
    page      string
    total     integer
    max_results integer
  }
  _links {
    parent {
      title string
      href  string
    }
    self {
      title string
      href  string
    }
  }
}
```

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*  string
  _error* {
    code    integer
    message string
  }
}
```

1.2 POST /v1/diskPricing

Stores one or more diskPricing.

REQUEST

REQUEST BODY - application/json

```
{
  disk_type*      string max:100 chars
  region*         string 1 to 40 chars
  pricing_model*  enum    DEFAULT:ON-DEMAND
                  ALLOWED:ON_DEMAND, SPOT, RESERVED, DEDICATED, 1YR-
                  PARTIAL-PAY, 1YR-COMMITMENT, 3YR-COMMITMENT
  cost_per_hour_usd* number >=0
  _id             string
}
```

RESPONSE

STATUS CODE - 201: operation has been successful

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*  string
  _error* {
    code    integer
    message string
  }
}
```

1.3 GET /v1/diskPricing/{diskpricingId}

Retrieves a Diskpricing document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*diskpricingId	string	

RESPONSE

STATUS CODE - 200: Diskpricing document fetched successfully

RESPONSE MODEL - application/json

```
{
  disk_type*      string  max:100 chars
  region*        string  1 to 40 chars
  pricing_model*  enum    DEFAULT:ON-DEMAND
                                ALLOWED:ON_DEMAND, SPOT, RESERVED, DEDICATED, 1YR-
                                PARTIAL-PAY, 1YR-COMMITMENT, 3YR-COMMITMENT
  cost_per_hour_usd* number >=0
  _id             string
}
```

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*  string
  _error* {
    code    integer
    message string
  }
}
```

1.4 PUT /v1/diskPricing/{diskpricingId}

Replaces a Diskpricing document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*diskpricingId	string	

REQUEST BODY - application/json

```
{
  disk_type*      string  max:100 chars
  region*        string  1 to 40 chars
  pricing_model*  enum    DEFAULT:ON-DEMAND
                                ALLOWED:ON_DEMAND, SPOT, RESERVED, DEDICATED, 1YR-
                                PARTIAL-PAY, 1YR-COMMITMENT, 3YR-COMMITMENT
  cost_per_hour_usd* number >=0
  _id             string
}
```

HEADER PARAMETERS

NAME	TYPE	DESCRIPTION
If-Match	string	Current value of the _etag field

RESPONSE

STATUS CODE - 200: Diskpricing document replaced successfully

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*   string
  _error* {
    code      integer
    message   string
  }
}
```

1.5 DELETE /v1/diskPricing/{diskpricingId}

Deletes a Diskpricing document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*diskpricingId	string	

HEADER PARAMETERS

NAME	TYPE	DESCRIPTION
If-Match	string	Current value of the _etag field

RESPONSE

STATUS CODE - 204: Diskpricing document deleted successfully

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*   string
  _error* {
    code      integer
    message   string
  }
}
```

1.6 PATCH /v1/diskPricing/{diskpricingId}

Updates a Diskpricing document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*diskpricingId	string	

REQUEST BODY - application/json

```
{
```

```

disk_type*      string max:100 chars
region*        string 1 to 40 chars
pricing_model*  enum    DEFAULT:ON-DEMAND
                  ALLOWED:ON_DEMAND, SPOT, RESERVED, DEDICATED, 1YR-
                  PARTIAL-PAY, 1YR-COMMITMENT, 3YR-COMMITMENT
cost_per_hour_usd* number >=0
_id            string
}

```

HEADER PARAMETERS

NAME	TYPE	DESCRIPTION
If-Match	string	Current value of the _etag field

RESPONSE

STATUS CODE - 200: Diskpricing document updated successfully

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```

{
  _status*  string
  _error* {
    code    integer
    message string
  }
}

```


2. INSTANCEPRICING

2.1 GET /v1/instancePricing

Retrieves one or more instancePricing

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
where	string	the filters query parameter (ex.: {"number": 10})
projection	string	the projections query parameter (ex.: {"name": 1})
sort	string	the sort query parameter (ex.: "city-lastname")
page	integer	the pages query parameter
max_results	integer	the max results query parameter

RESPONSE

STATUS CODE - 200: An array of instancePricing

RESPONSE MODEL - application/json

```
{
  _items [{
    Array of object:
    instance_type*    string  max:100 chars
    region*           string  1 to 40 chars
    pricing_model*    enum     DEFAULT:ON-DEMAND
                                ALLOWED:ON_DEMAND, SPOT, RESERVED, DEDICATED, 1YR-
                                PARTIAL-PAY, 1YR-COMMITMENT, 3YR-COMMITMENT
    os*               enum     DEFAULT:LINUX
                                ALLOWED:LINUX, WINDOWS
    cost_per_hour_usd* number  >=0
    _id               string
  }]
  _meta {
    page      string
    total     integer
    max_results integer
  }
  _links {
    parent {
      title string
      href  string
    }
    self {
      title string
      href  string
    }
  }
}
```

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*  string
  _error* {
    code    integer
    message string
  }
}
```

2.2 POST /v1/instancePricing

Stores one or more instancePricing.

REQUEST

REQUEST BODY - application/json

```
{
  instance_type*  string max:100 chars
  region*        string 1 to 40 chars
  pricing_model*  enum    DEFAULT:ON-DEMAND
                  ALLOWED:ON_DEMAND, SPOT, RESERVED, DEDICATED, 1YR-PARTIAL-
                  PAY, 1YR-COMMITMENT, 3YR-COMMITMENT
  os*            enum    DEFAULT:LINUX
                  ALLOWED:LINUX, WINDOWS
  cost_per_hour_usd* number >=0
  _id            string
}
```

RESPONSE

STATUS CODE - 201: operation has been successful

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*  string
  _error* {
    code    integer
    message string
  }
}
```

2.3 GET /v1/instancePricing/{instancepricingId}

Retrieves a Instancepricing document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*instancepricingId	string	

RESPONSE

STATUS CODE - 200: Instancepricing document fetched successfully

RESPONSE MODEL - application/json

```
{
  instance_type*    string  max:100 chars
  region*           string  1 to 40 chars
  pricing_model*    enum    DEFAULT:ON-DEMAND
                                ALLOWED:ON_DEMAND, SPOT, RESERVED, DEDICATED, 1YR-
                                PARTIAL-PAY, 1YR-COMMITMENT, 3YR-COMMITMENT
  os*               enum    DEFAULT:LINUX
                                ALLOWED:LINUX, WINDOWS
  cost_per_hour_usd* number  >=0
  _id               string
}
```

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*  string
  _error* {
    code    integer
    message string
  }
}
```

2.4 PUT /v1/instancePricing/{instancepricingId}

Replaces a Instancepricing document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*instancepricingId	string	

REQUEST BODY - application/json

```
{
  instance_type*    string  max:100 chars
  region*           string  1 to 40 chars
  pricing_model*    enum    DEFAULT:ON-DEMAND
                                ALLOWED:ON_DEMAND, SPOT, RESERVED, DEDICATED, 1YR-PARTIAL-
                                PAY, 1YR-COMMITMENT, 3YR-COMMITMENT
  os*               enum    DEFAULT:LINUX
                                ALLOWED:LINUX, WINDOWS
  cost_per_hour_usd* number  >=0
  _id               string
}
```

HEADER PARAMETERS

NAME	TYPE	DESCRIPTION
If-Match	string	Current value of the _etag field

RESPONSE

STATUS CODE - 200: Instancepricing document replaced successfully

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*   string
  _error* {
    code      integer
    message   string
  }
}
```

2.5 DELETE /v1/instancePricing/{instancepricingId}

Deletes a Instancepricing document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*instancepricingId	string	

HEADER PARAMETERS

NAME	TYPE	DESCRIPTION
If-Match	string	Current value of the _etag field

RESPONSE

STATUS CODE - 204: Instancepricing document deleted successfully

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*   string
  _error* {
    code      integer
    message   string
  }
}
```

2.6 PATCH /v1/instancePricing/{instancepricingId}

Updates a Instancepricing document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*instancepricingId	string	

REQUEST BODY - application/json

```

{
  instance_type*    string  max:100 chars
  region*          string  1 to 40 chars
  pricing_model*    enum    DEFAULT:ON-DEMAND
                                ALLOWED:ON_DEMAND, SPOT, RESERVED, DEDICATED, 1YR-PARTIAL-
                                PAY, 1YR-COMMITMENT, 3YR-COMMITMENT
  os*              enum    DEFAULT:LINUX
                                ALLOWED:LINUX, WINDOWS
  cost_per_hour_usd* number  >=0
  _id              string
}

```

HEADER PARAMETERS

NAME	TYPE	DESCRIPTION
If-Match	string	Current value of the _etag field

RESPONSE

STATUS CODE - 200: Instancepricing document updated successfully

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```

{
  _status*  string
  _error* {
    code    integer
    message string
  }
}

```

3. ESTIMATEDBILL

3.1 GET /v1/estimatedBills

Retrieves one or more estimatedBills

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
where	string	the filters query parameter (ex.: {"number": 10})
projection	string	the projections query parameter (ex.: {"name": 1})
sort	string	the sort query parameter (ex.: "city,-lastname")
page	integer	the pages query parameter
max_results	integer	the max results query parameter

RESPONSE

STATUS CODE - 200: An array of estimatedBills

RESPONSE MODEL - application/json

```
{
  _items [{
    Array of object:
    estimated_bill* string 1 to 100 chars
    user*          string
    month*         number between 1 and 12
    year*          number between 2000 and 2100
    _id            string
  }]
  _meta {
    page      string
    total     integer
    max_results integer
  }
  _links {
    parent {
      title string
      href  string
    }
    self {
      title string
      href  string
    }
  }
}
```

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
```

```

    _status*  string
    _error* {
        code    integer
        message string
    }
}

```

3.2 POST /v1/estimatedBills

Stores one or more estimatedBills.

REQUEST

REQUEST BODY - application/json

```

{
  estimated_bill* string 1 to 100 chars
  user*          string
  month*         number between 1 and 12
  year*          number between 2000 and 2100
  _id            string
}

```

RESPONSE

STATUS CODE - 201: operation has been successful

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```

{
  _status*  string
  _error* {
    code    integer
    message string
  }
}

```

3.3 GET /v1/estimatedBills/{estimatedbillId}

Retrieves a estimatedBill document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*estimatedbillId	string	

RESPONSE

STATUS CODE - 200: estimatedBill document fetched successfully

RESPONSE MODEL - application/json

```

{

```

```

estimated_bill* string 1 to 100 chars
user*          string
month*         number between 1 and 12
year*          number between 2000 and 2100
_id            string
}

```

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```

{
  _status* string
  _error* {
    code    integer
    message string
  }
}

```

3.4 PUT /v1/estimatedBills/{estimatedbillId}

Replaces a estimatedBill document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*estimatedbillId	string	

REQUEST BODY - application/json

```

{
  estimated_bill* string 1 to 100 chars
  user*          string
  month*         number between 1 and 12
  year*          number between 2000 and 2100
  _id            string
}

```

HEADER PARAMETERS

NAME	TYPE	DESCRIPTION
If-Match	string	Current value of the _etag field

RESPONSE

STATUS CODE - 200: estimatedBill document replaced successfully

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```

{
  _status* string
  _error* {
    code    integer
    message string
  }
}

```



```
}
}
```

3.5 DELETE /v1/estimatedBills/{estimatedbillId}

Deletes a estimatedBill document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*estimatedbillId	string	

HEADER PARAMETERS

NAME	TYPE	DESCRIPTION
If-Match	string	Current value of the _etag field

RESPONSE

STATUS CODE - 204: estimatedBill document deleted successfully

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*  string
  _error* {
    code    integer
    message string
  }
}
```

4. EXTENSIONREQUEST

4.1 GET /v1/extensionRequests

Retrieves one or more extensionRequests

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
where	string	the filters query parameter (ex.: {"number": 10})
projection	string	the projections query parameter (ex.: {"name": 1})
sort	string	the sort query parameter (ex.: "city,-lastname")
page	integer	the pages query parameter
max_results	integer	the max results query parameter

RESPONSE

STATUS CODE - 200: An array of extensionRequests

RESPONSE MODEL - application/json

```
{
  _items [{
    Array of object:
    reason*          string 1 to 1000 chars
    status           enum   DEFAULT:REQUESTED
                        ALLOWED:REQUESTED, REVOKED, APPROVED, REJECTED
    extend_by*       number <=7200
    provision_request* string
    reviewed_by      string
    requested_by*    string
    _id              string
  }]
  _meta {
    page      string
    total     integer
    max_results integer
  }
  _links {
    parent {
      title string
      href  string
    }
    self {
      title string
      href  string
    }
  }
}
```

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*   string
  _error* {
    code      integer
    message   string
  }
}
```

4.2 POST /v1/extensionRequests

Stores one or more extensionRequests.

REQUEST

REQUEST BODY - application/json

```
{
  reason*           string 1 to 1000 chars
  status            enum   DEFAULT:REQUESTED
                      ALLOWED:REQUESTED, REVOKED, APPROVED, REJECTED
  extend_by*        number <=7200
  provision_request* string
  reviewed_by       string
  requested_by*     string
  _id               string
}
```

RESPONSE

STATUS CODE - 201: operation has been successful

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*   string
  _error* {
    code      integer
    message   string
  }
}
```

4.3 GET /v1/extensionRequests/{extensionrequestId}

Retrieves a extensionRequest document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*extensionrequestId	string	

RESPONSE

STATUS CODE - 200: extensionRequest document fetched successfully

RESPONSE MODEL - application/json

```
{
  reason*          string 1 to 1000 chars
  status           enum   DEFAULT:REQUESTED
                    ALLOWED:REQUESTED, REVOKED, APPROVED, REJECTED
  extend_by*       number <=7200
  provision_request* string
  reviewed_by      string
  requested_by*    string
  _id              string
}
```

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status* string
  _error* {
    code    integer
    message string
  }
}
```

4.4 PUT /v1/extensionRequests/{extensionrequestId}

Replaces a extensionRequest document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*extensionrequestId	string	

REQUEST BODY - application/json

```
{
  reason*          string 1 to 1000 chars
  status           enum   DEFAULT:REQUESTED
                    ALLOWED:REQUESTED, REVOKED, APPROVED, REJECTED
  extend_by*       number <=7200
  provision_request* string
  reviewed_by      string
  requested_by*    string
  _id              string
}
```

HEADER PARAMETERS

NAME	TYPE	DESCRIPTION
If-Match	string	Current value of the _etag field

RESPONSE

STATUS CODE - 200: extensionRequest document replaced successfully

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*   string
  _error* {
    code     integer
    message  string
  }
}
```

4.5 DELETE /v1/extensionRequests/{extensionrequestId}

Deletes a extensionRequest document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*extensionrequestId	string	

HEADER PARAMETERS

NAME	TYPE	DESCRIPTION
If-Match	string	Current value of the _etag field

RESPONSE

STATUS CODE - 204: extensionRequest document deleted successfully

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*   string
  _error* {
    code     integer
    message  string
  }
}
```

5. NOTIFICATION

5.1 GET /v1/notifications

Retrieves one or more notifications

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
where	string	the filters query parameter (ex.: {"number": 10})
projection	string	the projections query parameter (ex.: {"name": 1})
sort	string	the sort query parameter (ex.: "city-lastname")
page	integer	the pages query parameter
max_results	integer	the max results query parameter

RESPONSE

STATUS CODE - 200: An array of notifications

RESPONSE MODEL - application/json

```
{
  _items [{
    title*      string max:200 chars
    description string max:500 chars
    user*       string
    channels    [enum] DEFAULT:EMAIL
                  ALLOWED:EMAIL
    status      enum   DEFAULT:CREATED
                  ALLOWED:SENT, CREATED
    _id         string
  }]
  _meta {
    page      string
    total     integer
    max_results integer
  }
  _links {
    parent {
      title string
      href  string
    }
    self {
      title string
      href  string
    }
  }
}
```

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*   string
  _error* {
    code      integer
    message   string
  }
}
```

5.2 POST /v1/notifications

Stores one or more notifications.

REQUEST

REQUEST BODY - application/json

```
{
  title*      string max:200 chars
  description  string max:500 chars
  user*       string
  channels     [enum]  DEFAULT:EMAIL
                  ALLOWED:EMAIL
  status       enum    DEFAULT:CREATED
                  ALLOWED:SENT, CREATED
  _id          string
}
```

RESPONSE

STATUS CODE - 201: operation has been successful

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*   string
  _error* {
    code      integer
    message   string
  }
}
```

5.3 GET /v1/notifications/{notificationId}

Retrieves a notification document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*notificationId	string	

RESPONSE

STATUS CODE - 200: notification document fetched successfully

RESPONSE MODEL - application/json

```
{
  title*      string max:200 chars
  description string max:500 chars
  user*       string
  channels     [enum] DEFAULT:EMAIL
              ALLOWED:EMAIL
  status       enum   DEFAULT:CREATED
              ALLOWED:SENT, CREATED
  _id          string
}
```

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status* string
  _error* {
    code    integer
    message string
  }
}
```

5.4 DELETE /v1/notifications/{notificationId}

Deletes a notification document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*notificationId	string	

HEADER PARAMETERS

NAME	TYPE	DESCRIPTION
If-Match	string	Current value of the _etag field

RESPONSE

STATUS CODE - 204: notification document deleted successfully

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status* string
  _error* {
    code    integer
    message string
  }
}
```


6. PROVISIONREQUEST

6.1 GET /v1/provisionRequests

Retrieves one or more provisionRequests

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
where	string	the filters query parameter (ex.: {"number": 10})
projection	string	the projections query parameter (ex.: {"name": 1})
sort	string	the sort query parameter (ex.: "city-lastname")
page	integer	the pages query parameter
max_results	integer	the max results query parameter

RESPONSE

STATUS CODE - 200: An array of provisionRequests

RESPONSE MODEL - application/json

```
{
  _items [{
    Array of object:
    description      string      0 to 1000 chars
    expires_by*      string
    resource_type*    enum        DEFAULT:KUBERNETES
                                ALLOWED:KUBERNETES
    request_type      enum        DEFAULT:TEMPORARY
                                ALLOWED:TEMPORARY, PERMANENT
    requested_by*     string
    reviewed_by       string
    resource_parameters undefined
    resource_template* string      PATTERN:[a-z1-9- ]+
    status            enum        DEFAULT:REQUESTED
                                ALLOWED:REQUESTED, REVOKED, APPROVED, REJECTED,
                                INITIATED, DEPLOYED, FAILED, EXPIRED, EXTENDED,
                                PURGED, PURGE_INITIATED, PURGE_FAILED

    _id              string
  }]
  _meta {
    page      string
    total     integer
    max_results integer
  }
  _links {
    parent {
      title string
      href  string
    }
    self {
```

```

        title string
        href string
    }
}

```

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```

{
  _status* string
  _error* {
    code integer
    message string
  }
}

```

6.2 POST /v1/provisionRequests

Stores one or more provisionRequests.

REQUEST

REQUEST BODY - application/json

```

{
  description          string      0 to 1000 chars
  expires_by*          string
  resource_type*        enum        DEFAULT:KUBERNETES
                                   ALLOWED:KUBERNETES
  request_type          enum        DEFAULT:TEMPORARY
                                   ALLOWED:TEMPORARY, PERMANENT
  requested_by*         string
  reviewed_by           string
  resource_parameters    undefined
  resource_template*    string      PATTERN:[a-z1-9-]+
  status                enum        DEFAULT:REQUESTED
                                   ALLOWED:REQUESTED, REVOKED, APPROVED, REJECTED,
                                   INITIATED, DEPLOYED, FAILED, EXPIRED, EXTENDED, PURGED,
                                   PURGE_INITIATED, PURGE_FAILED
  _id                   string
}

```

RESPONSE

STATUS CODE - 201: operation has been successful

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```

{
  _status* string
  _error* {
    code integer
    message string
  }
}

```

6.3 GET /v1/provisionRequests/{provisionrequestId}

Retrieves a provisionRequest document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*provisionrequestId	string	

RESPONSE

STATUS CODE - 200: provisionRequest document fetched successfully

RESPONSE MODEL - application/json

```
{
  description      string      0 to 1000 chars
  expires_by*     string
  resource_type*   enum        DEFAULT:KUBERNETES
                                ALLOWED:KUBERNETES
  request_type     enum        DEFAULT:TEMPORARY
                                ALLOWED:TEMPORARY, PERMANENT
  requested_by*    string
  reviewed_by      string
  resource_parameters undefined
  resource_template* string    PATTERN:[a-z1-9-]+
  status           enum        DEFAULT:REQUESTED
                                ALLOWED:REQUESTED, REVOKED, APPROVED, REJECTED,
                                INITIATED, DEPLOYED, FAILED, EXPIRED, EXTENDED,
                                PURGED, PURGE_INITIATED, PURGE_FAILED
  _id              string
}
```

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*  string
  _error* {
    code    integer
    message string
  }
}
```

6.4 PUT /v1/provisionRequests/{provisionrequestId}

Replaces a provisionRequest document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*provisionrequestId	string	

REQUEST BODY - application/json

{		
description	string	0 to 1000 chars
expires_by*	string	
resource_type*	enum	DEFAULT:KUBERNETES ALLOWED:KUBERNETES
request_type	enum	DEFAULT:TEMPORARY ALLOWED:TEMPORARY, PERMANENT
requested_by*	string	
reviewed_by	string	
resource_parameters	undefined	
resource_template*	string	PATTERN:[a-z1-9-]+
status	enum	DEFAULT:REQUESTED ALLOWED:REQUESTED, REVOKED, APPROVED, REJECTED, INITIATED, DEPLOYED, FAILED, EXPIRED, EXTENDED, PURGED, PURGE_INITIATED, PURGE_FAILED
_id	string	
}		

HEADER PARAMETERS

NAME	TYPE	DESCRIPTION
If-Match	string	Current value of the _etag field

RESPONSE

STATUS CODE - 200: provisionRequest document replaced successfully

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

{	
_status*	string
_error* {	
code	integer
message	string
}	
}	

6.5 DELETE /v1/provisionRequests/{provisionrequestId}

Deletes a provisionRequest document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*provisionrequestId	string	

HEADER PARAMETERS

NAME	TYPE	DESCRIPTION
If-Match	string	Current value of the _etag field

RESPONSE

STATUS CODE - 204: provisionRequest document deleted successfully

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*   string
  _error* {
    code      integer
    message   string
  }
}
```

7. QUOTA

7.1 GET /v1/quotas

Retrieves one or more quotas

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
where	string	the filters query parameter (ex.: {"number": 10})
projection	string	the projections query parameter (ex.: {"name": 1})
sort	string	the sort query parameter (ex.: "city-lastname")
page	integer	the pages query parameter
max_results	integer	the max results query parameter

RESPONSE

STATUS CODE - 200: An array of quotas

RESPONSE MODEL - application/json

```
{
  _items [{
    Array of object:
    quota_type enum    DEFAULT:TEMPORARY
                        ALLOWED:TEMPORARY, PERMANENT
    user        string
    role        string  1 to 100 chars
    cost        number  <=10000
                        DEFAULT:100
    machines [{
      Array of object:
      instance_type* string 1 to 30 chars
      region*        string
      hours*          number <=50000
    }]
    disk [{
      Array of object:
      disk_type* string 1 to 30 chars
      region*    string
      gbhours*   number <=1000000
    }]
    s3 [{
      Array of object:
      bucket_type* string 1 to 30 chars
      region*      string
      gbhours*     number <=1000000
    }]
    _id            string
  }]
  _meta {
```

```

    page      string
    total     integer
    max_results integer
  }
  _links {
    parent {
      title string
      href  string
    }
    self {
      title string
      href  string
    }
  }
}

```

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```

{
  _status*  string
  _error* {
    code    integer
    message string
  }
}

```

7.2 POST /v1/quotas

Stores one or more quotas.

REQUEST

REQUEST BODY - application/json

```

{
  quota_type enum    DEFAULT:TEMPORARY
                                ALLOWED:TEMPORARY, PERMANENT
  user       string
  role       string  1 to 100 chars
  cost       number  <=10000
                                DEFAULT:100
  machines [{
    Array of object:
      instance_type* string 1 to 30 chars
      region*       string
      hours*        number  <=50000
  }]
  disk [{
    Array of object:
      disk_type* string 1 to 30 chars
      region*   string
      gbhours*  number  <=1000000
  }]
  s3 [{
    Array of object:
      bucket_type* string 1 to 30 chars

```



```

        region*      string
        gbhours*     number  <=1000000
    }]
    _id              string
}

```

RESPONSE

STATUS CODE - 201: operation has been successful

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```

{
  _status*  string
  _error* {
    code    integer
    message string
  }
}

```

7.3 GET /v1/quotas/{quotaId}

Retrieves a quota document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*quotaId	string	

RESPONSE

STATUS CODE - 200: quota document fetched successfully

RESPONSE MODEL - application/json

```

{
  quota_type  enum    DEFAULT:TEMPORARY
                  ALLOWED:TEMPORARY, PERMANENT
  user        string
  role        string  1 to 100 chars
  cost        number  <=10000
                  DEFAULT:100
  machines [{
    Array of object:
    instance_type* string 1 to 30 chars
    region*       string
    hours*        number  <=50000
  }]
  disk [{
    Array of object:
    disk_type*    string 1 to 30 chars
    region*       string
    gbhours*      number  <=1000000
  }]
}

```

```

s3 [{
  Array of object:
    bucket_type* string 1 to 30 chars
    region*      string
    gbhours*     number <=1000000
  }]
_id      string
}

```

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```

{
  _status* string
  _error* {
    code    integer
    message string
  }
}

```

7.4 PUT /v1/quotas/{quotaId}

Replaces a quota document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*quotaId	string	

REQUEST BODY - application/json

```

{
  quota_type enum    DEFAULT:TEMPORARY
                  ALLOWED:TEMPORARY, PERMANENT
  user       string
  role       string 1 to 100 chars
  cost       number <=10000
                  DEFAULT:100
  machines [{
    Array of object:
      instance_type* string 1 to 30 chars
      region*        string
      hours*          number <=50000
    }]
  disk [{
    Array of object:
      disk_type* string 1 to 30 chars
      region*    string
      gbhours*   number <=1000000
    }]
  s3 [{
    Array of object:
      bucket_type* string 1 to 30 chars
      region*      string
      gbhours*     number <=1000000
    }]
}

```

```

    }]
    _id      string
  }

```

HEADER PARAMETERS

NAME	TYPE	DESCRIPTION
If-Match	string	Current value of the _etag field

RESPONSE

STATUS CODE - 200: quota document replaced successfully

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```

{
  _status*  string
  _error* {
    code     integer
    message  string
  }
}

```

7.5 DELETE /v1/quotas/{quotaId}

Deletes a quota document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*quotaId	string	

HEADER PARAMETERS

NAME	TYPE	DESCRIPTION
If-Match	string	Current value of the _etag field

RESPONSE

STATUS CODE - 204: quota document deleted successfully

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```

{
  _status*  string
  _error* {
    code     integer
    message  string
  }
}

```

7.6 PATCH /v1/quotas/{quotaId}

Updates a quota document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*quotaId	string	

REQUEST BODY - application/json

```
{
  quota_type enum    DEFAULT:TEMPORARY
                  ALLOWED:TEMPORARY, PERMANENT
  user        string
  role        string 1 to 100 chars
  cost        number <=10000
                  DEFAULT:100
  machines [{
    Array of object:
      instance_type* string 1 to 30 chars
      region*        string
      hours*          number <=50000
  }]
  disk [{
    Array of object:
      disk_type* string 1 to 30 chars
      region*    string
      gbhours*   number <=1000000
  }]
  s3 [{
    Array of object:
      bucket_type* string 1 to 30 chars
      region*      string
      gbhours*     number <=1000000
  }]
  _id          string
}
```

HEADER PARAMETERS

NAME	TYPE	DESCRIPTION
If-Match	string	Current value of the _etag field

RESPONSE

STATUS CODE - 200: quota document updated successfully

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status* string
  _error* {
    code integer
  }
}
```

```
    message string  
  }  
}
```

8. ROLE

8.1 GET /v1/roles

Retrieves one or more roles

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
where	string	the filters query parameter (ex.: {"number": 10})
projection	string	the projections query parameter (ex.: {"name": 1})
sort	string	the sort query parameter (ex.: "city,-lastname")
page	integer	the pages query parameter
max_results	integer	the max results query parameter

RESPONSE

STATUS CODE - 200: An array of roles

RESPONSE MODEL - application/json

```
{
  _items [{
    Array of object:
    role*      string  1 to 100 chars
    description string  max:200 chars
    isActive   boolean DEFAULT:true
    _id        string
  }]
  _meta {
    page      string
    total     integer
    max_results integer
  }
  _links {
    parent {
      title string
      href  string
    }
    self {
      title string
      href  string
    }
  }
}
```

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*  string
```

```

    _error* {
      code    integer
      message string
    }
  }
}

```

8.2 POST /v1/roles

Stores one or more roles.

REQUEST

REQUEST BODY - application/json

```

{
  role*      string  1 to 100 chars
  description string  max:200 chars
  isActive   boolean DEFAULT:true
  _id        string
}

```

RESPONSE

STATUS CODE - 201: operation has been successful

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```

{
  _status* string
  _error* {
    code    integer
    message string
  }
}

```

8.3 GET /v1/roles/{roleId}

Retrieves a role document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*roleId	string	

RESPONSE

STATUS CODE - 200: role document fetched successfully

RESPONSE MODEL - application/json

```

{
  role*      string  1 to 100 chars
  description string  max:200 chars
}

```

```

    isActive    boolean DEFAULT:true
    _id          string
  }

```

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```

{
  _status*    string
  _error* {
    code      integer
    message   string
  }
}

```

8.4 PUT /v1/roles/{roleId}

Replaces a role document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*roleId	string	

REQUEST BODY - application/json

```

{
  role*      string  1 to 100 chars
  description string  max:200 chars
  isActive    boolean DEFAULT:true
  _id         string
}

```

HEADER PARAMETERS

NAME	TYPE	DESCRIPTION
If-Match	string	Current value of the _etag field

RESPONSE

STATUS CODE - 200: role document replaced successfully

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```

{
  _status*    string
  _error* {
    code      integer
    message   string
  }
}

```


8.5 DELETE /v1/roles/{roleId}

Deletes a role document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*roleId	string	

HEADER PARAMETERS

NAME	TYPE	DESCRIPTION
If-Match	string	Current value of the _etag field

RESPONSE

STATUS CODE - 204: role document deleted successfully

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*  string
  _error* {
    code    integer
    message string
  }
}
```

9. TEMPLATE

9.1 GET /v1/templates

Retrieves one or more templates

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
where	string	the filters query parameter (ex.: {"number": 10})
projection	string	the projections query parameter (ex.: {"name": 1})
sort	string	the sort query parameter (ex.: "city-lastname")
page	integer	the pages query parameter
max_results	integer	the max results query parameter

RESPONSE

STATUS CODE - 200: An array of templates

RESPONSE MODEL - application/json

```
{
  _items [{
    Array of object:
    _id          string    PATTERN:[a-z1-9-]+
    name*        string
    clusteryaml  string
    params       [string]  PATTERN:[a-zA-Z1-9_]+
  }]
  _meta {
    page         string
    total        integer
    max_results  integer
  }
  _links {
    parent {
      title string
      href  string
    }
    self {
      title string
      href  string
    }
  }
}
```

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*  string
```

```

    _error* {
      code    integer
      message string
    }
  }
}

```

9.2 POST /v1/templates

Stores one or more templates.

REQUEST

REQUEST BODY - application/json

```

{
  _id          string    PATTERN:[a-z1-9- ]+
  name*       string
  clusteryaml string
  params      [string]   PATTERN:[a-zA-Z1-9_ ]+
}

```

RESPONSE

STATUS CODE - 201: operation has been successful

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```

{
  _status* string
  _error* {
    code    integer
    message string
  }
}

```

9.3 GET /v1/templates/{templateId}

Retrieves a template document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*templateId		

RESPONSE

STATUS CODE - 200: template document fetched successfully

RESPONSE MODEL - application/json

```

{
  _id          string    PATTERN:[a-z1-9- ]+
  name*       string

```

```

    clusteryaml string
    params      [string] PATTERN:[a-zA-Z1-9_]+
  }

```

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```

{
  _status* string
  _error* {
    code    integer
    message string
  }
}

```

9.4 PUT /v1/templates/{templateId}

Replaces a template document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*templateId		

REQUEST BODY - application/json

```

{
  _id          string    PATTERN:[a-z1-9- ]+
  name*        string
  clusteryaml  string
  params       [string]  PATTERN:[a-zA-Z1-9_]+
}

```

HEADER PARAMETERS

NAME	TYPE	DESCRIPTION
If-Match	string	Current value of the _etag field

RESPONSE

STATUS CODE - 200: template document replaced successfully

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```

{
  _status* string
  _error* {
    code    integer
    message string
  }
}

```

9.5 DELETE /v1/templates/{templateId}

Deletes a template document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*templateId		

HEADER PARAMETERS

NAME	TYPE	DESCRIPTION
If-Match	string	Current value of the _etag field

RESPONSE

STATUS CODE - 204: template document deleted successfully

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*  string
  _error* {
    code    integer
    message string
  }
}
```

10. USER

10.1 GET /v1/users

Retrieves one or more users

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
where	string	the filters query parameter (ex.: {"number": 10})
projection	string	the projections query parameter (ex.: {"name": 1})
sort	string	the sort query parameter (ex.: "city,-lastname")
page	integer	the pages query parameter
max_results	integer	the max results query parameter

RESPONSE

STATUS CODE - 200: An array of users

RESPONSE MODEL - application/json

```
{
  _items [{
    Array of object:
    name      string    1 to 100 chars
    email     string
    username* string    1 to 100 chars
    roles     [string]
    isActive  boolean    DEFAULT:true
    status    enum       DEFAULT:CREATED
                                ALLOWED:INVITED, CREATED, VERIFIED
    _id       string
  }]
  _meta {
    page      string
    total     integer
    max_results integer
  }
  _links {
    parent {
      title string
      href  string
    }
    self {
      title string
      href  string
    }
  }
}
```

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*   string
  _error* {
    code      integer
    message   string
  }
}
```

10.2 POST /v1/users

Stores one or more users.

REQUEST

REQUEST BODY - application/json

```
{
  name      string    1 to 100 chars
  email     string
  username* string    1 to 100 chars
  roles     [string]
  isActive  boolean    DEFAULT:true
  status    enum       DEFAULT:CREATED
                          ALLOWED:INVITED, CREATED, VERIFIED
  _id       string
}
```

RESPONSE

STATUS CODE - 201: operation has been successful

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*   string
  _error* {
    code      integer
    message   string
  }
}
```

10.3 GET /v1/users/{userId}

Retrieves a user document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*userId	string	

RESPONSE

STATUS CODE - 200: user document fetched successfully

RESPONSE MODEL - application/json

```
{
  name      string    1 to 100 chars
  email     string
  username* string    1 to 100 chars
  roles     [string]
  isActive  boolean   DEFAULT:true
  status    enum      DEFAULT:CREATED
                      ALLOWED:INVITED, CREATED, VERIFIED
  _id       string
}
```

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*  string
  _error* {
    code    integer
    message string
  }
}
```

10.4 PUT /v1/users/{userId}

Replaces a user document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*userId	string	

REQUEST BODY - application/json

```
{
  name      string    1 to 100 chars
  email     string
  username* string    1 to 100 chars
  roles     [string]
  isActive  boolean   DEFAULT:true
  status    enum      DEFAULT:CREATED
                      ALLOWED:INVITED, CREATED, VERIFIED
  _id       string
}
```

HEADER PARAMETERS

NAME	TYPE	DESCRIPTION
If-Match	string	Current value of the _etag field

RESPONSE

STATUS CODE - 200: user document replaced successfully

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*   string
  _error* {
    code     integer
    message  string
  }
}
```

10.5 DELETE /v1/users/{userId}

Deletes a user document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*userId	string	

HEADER PARAMETERS

NAME	TYPE	DESCRIPTION
If-Match	string	Current value of the _etag field

RESPONSE

STATUS CODE - 204: user document deleted successfully

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*   string
  _error* {
    code     integer
    message  string
  }
}
```

10.6 PATCH /v1/users/{userId}

Updates a user document

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*userId	string	

REQUEST BODY - application/json

```
{
  name      string    1 to 100 chars
  email     string
  username* string    1 to 100 chars
  roles     [string]
  isActive  boolean    DEFAULT:true
  status    enum       DEFAULT:CREATED
                        ALLOWED:INVITED, CREATED, VERIFIED
  _id       string
}
```

HEADER PARAMETERS

NAME	TYPE	DESCRIPTION
If-Match	string	Current value of the _etag field

RESPONSE

STATUS CODE - 200: user document updated successfully

STATUS CODE - default: An error message

RESPONSE MODEL - application/json

```
{
  _status*  string
  _error* {
    code     integer
    message  string
  }
}
```