

Freezer API V1

1. API versions

Method	URI	Description
GET	/	List information about freezer API versions

1.1 Request

This operation does not accept a body

1.2 Response

Example:

```
{
  "versions": [
    {
      "id": "1",
      "links": [
        {
          "href": "/v1/",
          "rel": "self"
        }
      ],
      "status": "CURRENT",
      "updated": "2015-03-23T13:45:00"
    }
  ]
}
```

2. API home doc

Method	URI	Description
GET	/v1	Provides information about how to interact with the freezer API server

This operation does not accept a body.

See also <http://tools.ietf.org/html/draft-nottingham-jsond-home-03>

Example:

```
{
  "resources": {
    "rel/backups": {
      "hints": {
        "allow": [
          "GET"
        ],
        "formats": {
          "application/json": {}
        }
      },
      "href-template": "/v1/backups/{backup_id}",
      "href-vars": {
        "backup_id": "param/backup_id"
      }
    }
  }
}
```

3. Backups

Create, list and delete metadata information about backups.

Method	URI	Description
POST	/v1/backups	Creates a backup entry in the API storage
GET	/v1/backups{?limit,marker}	List backup information
GET	/v1/backups/{backup_id}	Gets details for a specified backup
DELETE	/v1/backups/{backup_id}	Deletes the specified backup information

3.1 Create backup information entry

Method	URI	Description
POST	/v1/backups	Creates a backup entry in the API storage

Normal response codes: 201

3.1.1 Request

Example. uploading backup metadata

```
{
  "backup_name": "important_data_backup",
  "backup_session": 12344311,
  "backup_size_compressed": 1212,
  "backup_size_uncompressed": 1212,
  "client_os": "linux",
  "compression_alg": "None",
  "container": "freezer_container",
  "encrypted": "false",
  "fs_real_path": "/blabla",
  "host_name": "alpha",
  "level": 0,
  "max_level": 5,
  "mode": "fs",
  "timestamp": 123444311,
  "total_backup_session_size": 1212,
  "total_broken_links": 0,
  "total_directories": 2,
  "total_fs_files": 11,
  "vol_snap_path": "/blablasnap"
}
```

3.1.2 Response

Example

```
{
  "backup_id": "freezer_container_alpha_important_data_backup_123444324_1"
}
```

3.2 List backup information

Method	URI	Description
GET	/v1/backups{?limit,marker}	List backup information

Normal response codes: 200

3.2.1 Request

This operation does not accept a body

3.2.2 Response

Example

```
{
  "backups": [
    {
      "backup_id":
"freezer_container_alpha_important_data_backup_123444324_1",
      "backup_metadata": {
        "backup_name": "important_data_backup",
        "backup_session": 12344321,
        "backup_size_compressed": 1212,
        "backup_size_uncompressed": 1212,
        "client_os": "linux",
        "compression_alg": "None",
        "container": "freezer_container",
        "encrypted": "false",
        "fs_real_path": "/blabla",
        "host_name": "alpha",
        "level": 1,
        "max_level": 5,
        "mode": "fs",
        "timestamp": 123444324,
        "total_backup_session_size": 1212,
        "total_broken_links": 0,
        "total_directories": 2,
        "total_fs_files": 11,
        "vol_snap_path": "/blablasnap"
      }
    },
    {
      "backup_id":
"freezer_container_alpha_important_data_backup_123444311_0",
      "backup_metadata": {
        "backup_name": "important_data_backup",
        "backup_session": 12344311,
        "backup_size_compressed": 1212,
        "backup_size_uncompressed": 1212,
        "client_os": "linux",
        "compression_alg": "None",
        "container": "freezer_container",
        "encrypted": "false",
        "fs_real_path": "/blabla",
        "host_name": "alpha",
        "level": 0,
        "max_level": 5,
        "mode": "fs",
        "timestamp": 123444311,
        "total_backup_session_size": 1212,
```

```

        "total_broken_links": 0,
        "total_directories": 2,
        "total_fs_files": 11,
        "vol_snap_path": "/blablasnap"
    }
}
]
}

```

3.3 Get backup details

Method	URI	Description
GET	/v1/backups/{backup_id}	Gets details for a specified backup

Normal response codes: 200

3.3.1 Request

This operation does not accept a body

3.3.2 Response

Example

```

{
  "backup_id": "freezer_container_alpha_important_data_backup_123444311_0",
  "backup_metadata": {
    "backup_name": "important_data_backup",
    "backup_session": 12344311,
    "backup_size_compressed": 1212,
    "backup_size_uncompressed": 1212,
    "client_os": "linux",
    "compression_alg": "None",
    "container": "freezer_container",
    "encrypted": "false",
    "fs_real_path": "/blabla",
    "host_name": "alpha",
    "level": 0,
    "max_level": 5,
    "mode": "fs",
    "timestamp": 123444311,
    "total_backup_session_size": 1212,
    "total_broken_links": 0,
    "total_directories": 2,
    "total_fs_files": 11,
    "vol_snap_path": "/blablasnap"
  }
}

```

3.4 Delete backup information

Method	URI	Description
DELETE	/v1/backups/{backup_id}	Deletes the specified backup information

Normal response codes: 204

3.4.1 Request

This operation does not accept a body

3.4.2 Response

This operation does not return a body