



Red Hat Mobile Application Platform Hosted 3

Platform API

For Red Hat Mobile Application Platform Hosted 3

Red Hat Mobile Application Platform Hosted 3 Platform API

For Red Hat Mobile Application Platform Hosted 3

Legal Notice

Copyright © 2017 Red Hat, Inc.

The text of and illustrations in this document are licensed by Red Hat under a Creative Commons Attribution–Share Alike 3.0 Unported license ("CC-BY-SA"). An explanation of CC-BY-SA is available at

<http://creativecommons.org/licenses/by-sa/3.0/>

. In accordance with CC-BY-SA, if you distribute this document or an adaptation of it, you must provide the URL for the original version.

Red Hat, as the licensor of this document, waives the right to enforce, and agrees not to assert, Section 4d of CC-BY-SA to the fullest extent permitted by applicable law.

Red Hat, Red Hat Enterprise Linux, the Shadowman logo, JBoss, OpenShift, Fedora, the Infinity logo, and RHCE are trademarks of Red Hat, Inc., registered in the United States and other countries.

Linux ® is the registered trademark of Linus Torvalds in the United States and other countries.

Java ® is a registered trademark of Oracle and/or its affiliates.

XFS ® is a trademark of Silicon Graphics International Corp. or its subsidiaries in the United States and/or other countries.

MySQL ® is a registered trademark of MySQL AB in the United States, the European Union and other countries.

Node.js ® is an official trademark of Joyent. Red Hat Software Collections is not formally related to or endorsed by the official Joyent Node.js open source or commercial project.

The OpenStack ® Word Mark and OpenStack logo are either registered trademarks/service marks or trademarks/service marks of the OpenStack Foundation, in the United States and other countries and are used with the OpenStack Foundation's permission. We are not affiliated with, endorsed or sponsored by the OpenStack Foundation, or the OpenStack community.

All other trademarks are the property of their respective owners.

Abstract

This document is a reference of the RHMAP platform API.

Table of Contents

CHAPTER 1. API KEYS API	13
1.1. LIST API KEYS	13
1.1.1. Description	13
1.1.2. Endpoint	13
1.1.3. Request Body	13
1.1.3.1. List keys for currently logged in user	13
1.1.3.2. List keys belonging to given app id	13
1.1.4. Response Body	13
1.1.4.1. Success	13
1.1.4.2. Error	14
1.2. CREATE NEW API KEYS	14
1.2.1. Description	14
1.2.2. Endpoint	14
1.2.3. Request Body	14
1.2.3.1. Create API Keys for the current logged in user	14
1.2.3.2. Create new API keys belonging to given app id	14
1.2.4. Success	14
1.2.5. Error	15
1.3. REVOKE EXISTING API KEYS	15
1.3.1. Description	15
1.3.2. Endpoint	15
1.3.3. Request Body	15
1.3.4. Success	15
1.3.5. Error	16
1.4. DELETE EXISTING API KEYS	16
1.4.1. Description	16
1.4.2. Endpoint	16
1.4.3. Request Body	16
1.4.4. Success	16
1.4.5. Error	16
1.5. UPDATE AN EXISTING API KEY	17
1.5.1. Description	17
1.5.2. Endpoint	17
1.5.3. Request Body	17
1.5.4. Success	17
1.5.5. Error	17
1.6. VALIDATE AN API KEY	17
1.6.1. Description	17
1.6.2. Endpoint	18
1.6.3. Request Body	18
1.6.4. Success	18
1.6.5. Error	18
CHAPTER 2. MOBILE APP MANAGEMENT API	19
2.1. READ APP STORE	19
2.1.1. Description	19
2.1.2. Endpoint	19
2.1.3. Request Body	19
2.1.4. Response Body	19
2.1.4.1. Success	19
2.1.4.2. Error	19

2.2. UPDATE APP STORE	19
2.2.1. Description	19
2.2.2. Endpoint	19
2.2.3. Request Body	20
2.2.4. Response Body	20
2.2.4.1. Success	20
2.2.4.2. Error	20
2.3. ADD STOREITEM TO APP STORE	20
2.3.1. Description	20
2.3.2. Endpoint	20
2.3.3. Request Body	20
2.3.4. Response Body	21
2.3.4.1. Success	21
2.3.4.2. Error	21
2.4. REMOVE STOREITEM TO APP STORE	21
2.4.1. Description	21
2.4.2. Endpoint	21
2.4.3. Request Body	21
2.4.4. Response Body	21
2.4.4.1. Success	21
2.4.4.2. Error	21
2.5. UPLOAD APP STORE ICON	21
2.5.1. Description	22
2.5.2. Endpoint	22
2.5.3. Request Body	22
2.5.4. Response Body	22
2.5.4.1. Success	22
2.5.4.2. Error	22
2.6. LIST STORE ITEMS IN APP STORE	22
2.6.1. Description	22
2.6.2. Endpoint	22
2.6.3. Request Body	22
2.6.4. Response Body	23
2.6.4.1. Success	23
2.6.4.2. Error	23
2.6.5. Options	23
2.6.5.1. Binaries field	23
2.7. ADD AUTH POLICY	24
2.7.1. Description	24
2.7.2. Endpoint	24
2.7.3. Request Body	24
2.7.4. Response Body	24
2.7.4.1. Success	24
2.7.4.2. Error	24
2.8. REMOVE STORE AUTH POLICY	24
2.8.1. Description	25
2.8.2. Endpoint	25
2.8.3. Request Body	25
2.8.4. Response Body	25
2.8.4.1. Success	25
2.8.4.2. Error	25
2.9. LIST AUTH POLICIES	25
2.9.1. Description	25

2.9.2. Endpoint	25
2.9.3. Request Body	25
2.9.4. Response Body	25
2.9.4.1. Success	26
2.9.4.2. Error	26
2.10. CREATE APP STORE ITEM	26
2.10.1. Description	26
2.10.2. Endpoint	26
2.10.3. Request Body	26
2.10.4. Response Body	26
2.10.4.1. Error	27
2.11. READ APP STORE ITEM	27
2.11.1. Description	27
2.11.2. Endpoint	27
2.11.3. Request Body	27
2.11.3.1. Response Body	27
2.11.3.2. Error	28
2.12. UPDATE ITEM	28
2.12.1. Endpoint	28
2.12.2. Request Body	28
2.12.3. Response Body	29
2.12.3.1. Error	29
2.13. DELETE APP STORE ITEM	29
2.13.1. Endpoint	29
2.13.2. Request Body	30
2.13.3. Response Body	30
2.13.3.1. Error	30
2.14. LIST APP STORE ITEMS	30
2.14.1. Description	30
2.14.2. Endpoint	30
2.14.3. Request Body	30
2.14.4. Response Body	30
2.14.4.1. Error	31
2.15. UPLOAD BINARY	31
2.15.1. Endpoint	31
2.15.2. Request Body	31
2.15.3. Response	31
2.15.3.1. Error	32
2.16. ADD AUTH POLICY	32
2.16.1. Endpoint	32
2.16.2. Request Body	32
2.16.3. Response Body	33
2.16.3.1. Error	33
2.17. REMOVE STORE ITEM AUTH POLICY	33
2.17.1. Endpoint	34
2.17.2. Request Body	34
2.17.3. Response Body	34
2.17.3.1. Error	34
2.18. GET BINARY CONFIG	35
2.18.1. Endpoint	35
2.18.2. Request Body	35
2.18.3. Response	35
2.18.3.1. Error	35

2.19. SET BINARY CONFIG	35
2.19.1. Endpoint	35
2.19.2. Request Body	35
2.19.3. Response	36
2.19.4. Error	36
2.19.4.1. Possible error messages:	36
2.20. ADD STOREITEM GROUPS	36
2.20.1. Endpoint	36
2.20.2. Request Body	36
2.20.3. Response Body	36
2.20.3.1. Error	37
2.21. REMOVE STOREITEM GROUPS	37
2.21.1. Endpoint	37
2.21.2. Request Body	37
2.21.3. Response Body	37
2.21.3.1. Error	38
2.22. LIST AUDIT LOG ENTRIES	38
2.22.1. Description	38
2.22.2. Endpoint	38
2.22.3. Auth	38
2.22.4. Request Body	38
2.22.5. Response Body	39
2.22.5.1. Success	39
2.22.5.2. Error	39
2.22.5.2.1. Possible error messages:	39
2.23. READ APP STORE	39
2.23.1. Description	39
2.23.2. Endpoint	39
2.23.3. Auth	39
2.23.4. Request Body	40
2.23.5. Response Body	40
2.23.5.1. Success	40
2.23.5.2. Error	40
2.24. GET APP STORE ITEMS	40
2.24.1. Description	40
2.24.2. Endpoint	40
2.24.3. Auth	40
2.24.4. Request Body	41
2.24.5. Response Body	41
2.24.5.1. Success	41
2.24.5.2. Error	42
2.25. INSTALL STORE ITEM	42
2.25.1. Description	42
2.25.2. Endpoint	42
2.25.3. Auth	42
2.25.4. Request Body	43
2.25.5. Response	43
2.25.5.1. Success	43
2.25.5.1.1. ios iphone ipad	43
2.25.5.1.2. android	43
2.25.5.2. Error	43
2.25.5.2.1. Possible error messages:	43

CHAPTER 3. AUTH POLICIES API	44
3.1. CREATE AUTH POLICY	44
3.1.1. Description	44
3.1.2. Endpoint	44
3.1.3. Request Body	44
3.1.4. Response Body	44
3.1.4.1. Success	44
3.1.4.2. Error	44
3.2. READ AUTH POLICY	45
3.2.1. Description	45
3.2.2. Endpoint	45
3.2.3. Request Body	45
3.2.4. Response Body	45
3.2.4.1. Success	45
3.2.4.2. Error	45
3.3. UPDATE AUTH POLICY	45
3.3.1. Description	45
3.3.2. Endpoint	46
3.3.3. Request Body	46
3.3.4. Response Body	46
3.3.4.1. Success	46
3.3.4.2. Error	46
3.4. DELETE AUTH POLICY	46
3.4.1. Description	46
3.4.2. Endpoint	47
3.4.3. Request Body	47
3.4.4. Response Body	47
3.4.4.1. Success	47
3.4.4.2. Error	47
3.5. LIST AUTH POLICIES	47
3.5.1. Description	47
3.5.2. Endpoint	47
3.5.3. Request Body	47
3.5.4. Response Body	47
3.5.4.1. Success	47
3.5.4.2. Error	48
3.6. LIST POLICY USERS	48
3.6.1. Description	48
3.6.2. Endpoint	48
3.6.3. Request Body	48
3.6.4. Response Body	49
3.6.4.1. Success	49
3.6.4.2. Error	49
3.7. ADD USERS TO A POLICY	49
3.7.1. Description	49
3.7.2. Endpoint	49
3.7.3. Request Body	49
3.7.4. Response Body	49
3.7.4.1. Success	49
3.7.4.2. Error	50
3.8. REMOVE USERS FROM A POLICY	50
3.8.1. Description	50
3.8.2. Endpoint	50

3.8.3. Request Body	50
3.8.4. Response Body	50
3.8.4.1. Success	50
3.8.4.2. Error	50
3.9. AUTHENTICATION CONFIGURATION OPTIONS	50
3.9.1. OAuth 2.0	50
3.9.1.1. Example:	51
3.9.2. LDAP	51
3.9.2.1. Example:	51
CHAPTER 4. CLOUD ALERTS API	52
4.1. LIST ALERTS	52
4.1.1. Description	52
4.1.2. Endpoint	52
4.1.3. Request Body	52
4.1.4. Response Body	52
4.1.4.1. Success	52
4.1.4.2. Error	52
4.2. CREATE AN ALERT	53
4.2.1. Description	53
4.2.2. Endpoint	53
4.2.3. Request Body	53
4.2.4. Response Body	53
4.2.4.1. Success	53
4.2.4.2. Error	53
4.3. UPDATE AN ALERT	54
4.3.1. Description	54
4.3.2. Endpoint	54
4.3.3. Request Body	54
4.3.4. Response Body	54
4.3.4.1. Success	54
4.3.4.2. Error	54
4.4. DELETE AN ALERT	55
4.4.1. Description	55
4.4.2. Endpoint	55
4.4.3. Request Body	55
4.4.4. Response Body	55
4.4.4.1. Success	55
4.4.4.2. Error	56
4.5. LIST EMAIL NOTIFICATIONS	56
4.5.1. Description	56
4.5.2. Endpoint	56
4.5.3. Request Body	56
4.5.4. Response Body	56
4.5.4.1. Success	56
4.5.4.2. Error	56
CHAPTER 5. CLOUD EVENTS API	58
5.1. LIST EVENTS	58
5.1.1. Description	58
5.1.2. Endpoint	58
5.1.3. Request Body	58
5.1.4. Response Body	58

5.1.4.1. Success	58
5.1.4.2. Error	59
CHAPTER 6. DEVICES API	60
6.1. LIST DEVICES	60
6.1.1. Description	60
6.1.2. Endpoint	60
6.1.3. Request Body	60
6.1.4. Response Body	60
6.1.4.1. Success	60
6.1.4.2. Error	60
6.2. READ DEVICE	60
6.2.1. Description	61
6.2.2. Endpoint	61
6.2.3. Request Body	61
6.2.4. Response Body	61
6.2.4.1. Success	61
6.2.4.2. Error	61
6.3. UPDATE DEVICE	61
6.3.1. Description	61
6.3.2. Endpoint	61
6.3.3. Request Body	62
6.3.4. Response Body	62
6.3.4.1. Success	62
6.3.4.2. Error	62
6.4. LIST APPS	62
6.4.1. Description	62
6.4.2. Endpoint	62
6.4.3. Request Body	62
6.4.4. Response Body	63
6.4.4.1. Success	63
6.4.4.2. Error	63
6.5. LIST USERS	63
6.5.1. Description	63
6.5.2. Endpoint	63
6.5.3. Request Body	63
6.5.4. Response Body	63
6.5.4.1. Success	64
6.5.4.2. Error	64
CHAPTER 7. ENDPOINT SECURITY API	65
7.1. GETSECUREENDPOINT	65
7.1.1. Description	65
7.1.2. Endpoint	65
7.1.3. Request Body	65
7.1.4. Response Body	65
7.1.4.1. Success	65
7.1.4.2. Error	66
7.2. SETSECUREENDPOINT	66
7.2.1. Description	66
7.2.2. Endpoint	66
7.2.3. Request Body	66
7.2.4. Response Body	66

7.2.4.1. Success	66
7.2.4.2. Error	67
7.3. SETSECUREENDPOINTOVERRIDE	67
7.3.1. Description	67
7.3.2. Endpoint	67
7.3.3. Request Body	67
7.3.4. Response Body	67
7.3.4.1. Success	67
7.3.4.2. Error	68
7.4. REMOVESECUREENDPOINTOVERRIDE	68
7.4.1. Description	68
7.4.2. Endpoint	68
7.4.3. Request Body	68
7.4.4. Response Body	68
7.4.4.1. Success	68
7.4.4.2. Error	68
7.5. SETDEFAULTSECUREENDPOINT	69
7.5.1. Description	69
7.5.2. Endpoint	69
7.5.3. Request Body	69
7.5.4. Response Body	69
7.5.4.1. Success	69
7.5.4.2. Error	69
7.6. AUDITLOG	69
7.6.1. Description	69
7.6.2. Endpoint	70
7.6.3. Request Body	70
7.6.4. Response Body	70
7.6.4.1. Success	70
7.6.4.2. Error	71
CHAPTER 8. USER ROLES API	72
8.1. LIST USER'S ROLES	72
8.1.1. Description	72
8.1.2. Endpoint	72
8.1.3. Request Body	72
8.1.4. Response Body	72
8.1.4.1. Success	72
8.1.4.2. Error	72
8.2. LIST USER'S ASSIGNABLE ROLES	72
8.2.1. Description	72
8.2.2. Endpoint	72
8.2.3. Request Body	72
8.2.4. Response Body	73
8.2.4.1. Success	73
8.2.4.2. Error	73
CHAPTER 9. TEAMS ADMINISTRATION API	74
9.1. REQUIREMENTS	74
9.2. LIST TEAMS	74
9.2.1. Description	74
9.2.2. JSON Team Definition	74
9.2.3. Endpoint	75

9.2.4. Request Body	75
9.2.5. Response Body	75
9.2.5.1. Success	75
9.2.5.2. Error	75
9.3. LIST TEAMS FOR USER	76
9.3.1. Description	76
9.3.2. Endpoint	76
9.3.3. Request Body	76
9.3.4. Response Body	76
9.3.4.1. Success	76
9.3.4.2. Error	76
9.4. VIEW TEAM DETAILS	76
9.4.1. Description	76
9.4.2. Endpoint	76
9.4.3. Request Body	76
9.4.4. Response Body	77
9.4.4.1. Success	77
9.4.4.2. Error	77
9.5. CREATE TEAM	77
9.5.1. Description	77
9.5.2. Endpoint	77
9.5.3. Request Body	77
9.5.4. Response Body	78
9.5.4.1. Success	78
9.5.4.2. Error	78
9.6. REMOVE TEAM	78
9.6.1. Description	78
9.6.2. Endpoint	78
9.6.3. Request Body	78
9.6.4. Response Body	78
9.6.4.1. Success	78
9.6.4.2. Error	78
9.7. ADD USER TO A TEAM	79
9.7.1. Description	79
9.7.2. Endpoint	79
9.7.3. Request Body	79
9.7.4. Response Body	79
9.7.4.1. Success	79
9.7.4.2. Error	79
9.8. REMOVE USER FROM A TEAM	79
9.8.1. Description	79
9.8.2. Endpoint	79
9.8.3. Request Body	80
9.8.4. Response Body	80
9.8.4.1. Success	80
9.8.4.2. Error	80
CHAPTER 10. USERS ADMINISTRATION API	81
10.1. REQUIREMENTS	81
10.2. CREATE USER	81
10.2.1. Description	81
10.2.2. Endpoint	81
10.2.3. Request Body	81

10.2.4. Response Body	82
10.2.4.1. Success	82
10.2.4.2. Error	82
10.3. UPDATE USER	82
10.3.1. Description	82
10.3.2. Endpoint	82
10.3.3. Request Body	82
10.3.4. Response Body	83
10.3.4.1. Success	83
10.3.4.2. Error	83
10.4. DELETE USER	83
10.4.1. Description	83
10.4.2. Endpoint	83
10.4.3. Request Body	83
10.4.4. Response Body	84
10.4.4.1. Success	84
10.4.4.2. Error	84
10.5. READ USER	84
10.5.1. Description	84
10.5.2. Endpoint	84
10.5.3. Request Body	84
10.5.4. Response Body	84
10.5.4.1. Error	85
10.6. LIST USERS	85
10.6.1. Description	85
10.6.2. Endpoint	85
10.6.3. Request Body	85
10.6.4. Response Body	85
10.6.4.1. Success	85
10.6.4.2. Error	86
10.7. ENABLE/DISABLE USER	86
10.7.1. Description	86
10.7.2. Endpoint	86
10.7.3. Request Body	86
10.7.4. Response Body	86
10.7.4.1. Success	86
10.7.4.2. Error	86
10.8. ADD/REMOVE ROLES	87
10.8.1. Description	87
10.8.2. Endpoint	87
10.8.3. Request Body	87
10.8.4. Response Body	87
10.8.4.1. Success	87
10.8.4.2. Error	87
10.9. ADD/REMOVE AUTH POLICIES	87
10.9.1. Description	87
10.9.2. Endpoint	88
10.9.3. Request Body	88
10.9.4. Response Body	88
10.9.4.1. Success	88
10.9.4.2. Error	88
10.10. LIST A USER'S DEVICES	88
10.10.1. Description	88

10.10.2. Endpoint	88
10.10.3. Request Body	89
10.10.4. Response Body	89
10.10.4.1. Success	89
10.10.4.2. Error	89
10.11. LIST A USER'S STORE ITEMS	89
10.11.1. Description	89
10.11.2. Endpoint	89
10.11.3. Request Body	89
10.11.4. Response Body	90
10.11.4.1. Success	90
10.11.4.2. Error	90

CHAPTER 1. API KEYS API

Manage the various API keys for a User account and Apps.



NOTE

X-FH-AUTH-USER should be in every header of every request. See [API Key Management](#) for more information.

1.1. LIST API KEYS

1.1.1. Description

List User or App API keys.

1.1.2. Endpoint

- uri - /box/srv/1.1/ide/<domain>/api/list
- method - POST

1.1.3. Request Body

1.1.3.1. List keys for currently logged in user

```
{
  "type": "user"
}
```

1.1.3.2. List keys belonging to given app id

```
{
  "type": "app",
  "appId": "<app_instance_id>"
}
```

1.1.4. Response Body

1.1.4.1. Success

```
{
  "status": "ok",
  "list": [{
    "label": "<user_friendly_id>",
    "keyType": "<key_type>",
    "key": "<public_api_key>",
    "keyReference": "<reference_id>", // for example, user/app id
    "secret": "<api_secret_key>", // only for 'admin' group
    "revoked": "<revoked_timestamp>",
    "revokedBy": "<revoked_by_ref_id>", // for example, user id
  ]
}
```

```
    "revokedEmail": "<revoked_by_user_email>"
  },
  /* ... */
]
}
```

1.1.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

1.2. CREATE NEW API KEYS

1.2.1. Description

Create a new User or App API key. While users can have multiple API keys associated with them, Apps can only have one active API key at any time - when an app API key is created, any pre-existing keys for that app will be automatically revoked.

1.2.2. Endpoint

- uri - /box/srv/1.1/ide/<domain>/api/create
- method - POST

1.2.3. Request Body

1.2.3.1. Create API Keys for the current logged in user

```
{
  "type": "user",
  "label": "<user_friendly_id>"
}
```

1.2.3.2. Create new API keys belonging to given app id

Any existing keys for this app will be automatically revoked.

```
{
  "type": "app",
  "label": "<user_friendly_id>",
  "appId": "<app_instance_id>"
}
```

1.2.4. Success

```
{
  "status": "ok",
```

```

    "apiKey": {
      "label": "<user_friendly_id>",
      "keyType": "<key_type>",
      "key": "<public_api_key>",
      "keyReference": "<reference_id>", // for example, user/app id
      "secret": "<api_secret_key>", // only for 'admin' group
      "revoked": "<revoked_timestamp>",
      "revokedBy": "<revoked_by_ref_id>", // for example, user id
      "revokedEmail": "<revoked_by_user_email>"
    }
  }
}

```

1.2.5. Error

```

{
  "status": "error",
  "message": "<error_message>"
}

```

1.3. REVOKE EXISTING API KEYS

1.3.1. Description

Revoke existing User or App API keys.

1.3.2. Endpoint

- uri - /box/srv/1.1/ide/<domain>/api/revoke
- method - POST

1.3.3. Request Body

```

{
  "key": "<public_api_key>"
}

```

1.3.4. Success

```

{
  "status": "ok",
  "apiKey": {
    "label": "<user_friendly_id>",
    "keyType": "<key_type>",
    "key": "<public_api_key>",
    "keyReference": "<reference_id>", // for example, user/app id
    "secret": "<api_secret_key>", // only for 'admin' group
    "revoked": "<revoked_timestamp>",
    "revokedBy": "<revoked_by_ref_id>", // for example, user id
    "revokedEmail": "<revoked_by_user_email>"
  }
}

```

1.3.5. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

1.4. DELETE EXISTING API KEYS

1.4.1. Description

Permanently delete an existing User or App API key.

1.4.2. Endpoint

- uri - /box/srv/1.1/ide/<domain>/api/delete
- method - POST

1.4.3. Request Body

```
{
  "key": "<public_api_key>"
}
```

1.4.4. Success

```
{
  "status": "ok",
  "apiKey": {
    "label": "<user_friendly_id>",
    "keyType": "<key_type>",
    "key": "<public_api_key>",
    "keyReference": "<reference_id>", // for example, user/app id
    "secret": "<api_secret_key>", // only for 'admin' group
    "revoked": "<revoked_timestamp>",
    "revokedBy": "<revoked_by_ref_id>", // for example, user id
    "revokedEmail": "<revoked_by_user_email>"
  }
}
```

1.4.5. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

1.5. UPDATE AN EXISTING API KEY

1.5.1. Description

Update an existing App or User API Key.

1.5.2. Endpoint

- uri - /box/srv/1.1/ide/<domain>/api/update
- method - POST

1.5.3. Request Body

```
{
  "key": "<public_api_key>",
  "fields": {
    "label": "<new_user_friendly_id>"
  }
}
```

1.5.4. Success

```
{
  "status": "ok",
  "apiKey": {
    "label": "<user_friendly_id>",
    "keyType": "<key_type>",
    "key": "<public_api_key>",
    "keyReference": "<reference_id>", // for example, user/app id
    "secret": "<api_secret_key>", // only for 'admin' group
    "revoked": "<revoked_timestamp>",
    "revokedBy": "<revoked_by_ref_id>", // for example, user id
    "revokedEmail": "<revoked_by_user_email>"
  }
}
```

1.5.5. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

1.6. VALIDATE AN API KEY

1.6.1. Description

Check if an API key is valid

1.6.2. Endpoint

- uri - /box/srv/1.1/ide/<domain>/api/validate
- method - POST

1.6.3. Request Body

```
{  
  "type" : "<key_type>"  
  "key" : "<key_value>",  
}
```

1.6.4. Success

```
{  
  "status" : "ok",  
  "valid" : true | false  
}
```

1.6.5. Error

```
{  
  "status" : "error",  
  "message" : "<error_message>"  
}
```

CHAPTER 2. MOBILE APP MANAGEMENT API

2.1. READ APP STORE

2.1.1. Description

Read details of the app store.

2.1.2. Endpoint

- uri - /box/srv/1.1/admin/appstore/read
- method - POST

2.1.3. Request Body

N/A

2.1.4. Response Body

2.1.4.1. Success

```
{
  "status": "ok",
  "guid": "<app_store_global_unique_id>",
  "name": "<app_store_name>",
  "description": "<app_store_description>",
  "icon": "<base64_String>"
  "storeitems": ["store_item_global_unique_id_1",
  "store_item_global_unique_id_2", ... "store_item_global_unique_id_N"],
  "authpolicies": ["active_policy_ids"]
}
```

2.1.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

2.2. UPDATE APP STORE

2.2.1. Description

Update details of the app store

2.2.2. Endpoint

- uri - /box/srv/1.1/admin/appstore/update

- method - POST

2.2.3. Request Body

```
{
  "name": "<app_store_name>", /*optional*/
  "description": "<app_store_description>" /*optional*/
  "storeitems":["store_item_global_unique_id_1"] /*optional*/
  "authpolicies":[policy_ids]
}
```

2.2.4. Response Body

2.2.4.1. Success

```
{
  "status": "ok",
  "guid": "<app_store_global_unique_id>",
  "name": "<app_store_name>",
  "description": "<app_store_description>"
  "icon": "<base64_string>"
  "storeitems": ["store_item_global_unique_id_1",
"store_item_global_unique_id_2", ... "store_item_global_unique_id_N"],
  "authpolicies":[active_policy_ids]
}
```

2.2.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

2.3. ADD STOREITEM TO APP STORE

2.3.1. Description

Add an existing Store Item to the store, making it visible in the store.

2.3.2. Endpoint

- uri - /box/srv/1.1/admin/appstore/additem
- method - POST

2.3.3. Request Body

```
{"guid": "<unique_store_item_id>"}
```


2.3.4. Response Body

2.3.4.1. Success

```
{  
  "status": "ok"  
}
```

2.3.4.2. Error

```
{  
  "status": "error",  
  "message": "<error_message>"  
}
```

2.4. REMOVE STOREITEM TO APP STORE

2.4.1. Description

Remove existing Store Item from the store, making it invisible in the store.

2.4.2. Endpoint

- uri - /box/srv/1.1/admin/appstore/removeitem
- method - POST

2.4.3. Request Body

```
{"guid": "<unique_store_item_id>"}
```

2.4.4. Response Body

2.4.4.1. Success

```
{  
  "status": "ok"  
}
```

2.4.4.2. Error

```
{  
  "status": "error",  
  "message": "<error_message>"  
}
```

2.5. UPLOAD APP STORE ICON

2.5.1. Description

Add an icon for your store.

2.5.2. Endpoint

- uri - /box/srv/1.1/admin/appstore/uploadbinary
- method - POST

2.5.3. Request Body

Multipart request with the image.

2.5.4. Response Body

2.5.4.1. Success

```
{
  "status": "ok",
  "guid": "<app_store_global_unique_id>",
  "name": "<app_store_name>",
  "description": "<app_store_description>"
  "icon": "<base64_string>"
  "storeitems": ["store_item_global_unique_id_1",
"store_item_global_unique_id_2", ... "store_item_global_unique_id_N"],
  "authpolicies": [active_policy_ids]
}
```

2.5.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

2.6. LIST STORE ITEMS IN APP STORE

2.6.1. Description

List the current items in the App Store. The "binaries" fields are defined in the [Binaries Options](#).

2.6.2. Endpoint

- uri - /box/srv/1.1/admin/appstore/liststoreitems
- method - POST

2.6.3. Request Body

```
{}
```

2.6.4. Response Body

2.6.4.1. Success

```
{
  "list": [
    {
      "authToken": "<unique id for auth>",
      "authpolicies": [unique_policy_ids],
      "binaries": [
        {
          "config": {
            "bundle_id": "<ios_bundle_id>"
          },
          "storeItemBinaryVersion": 2,
          "sysModified": "Fri Nov 02 10:06:48 GMT 2012",
          "type": "iphone | android | ios | ipad",
          "url": "http://<domain>/box/srv/1.1/mas/storeitem/install?
guid=dweFfHihI616y67aQB4sNGQt",
          "versions": [{
            "config": {},
            "destinationCode": "iphone | android | ios | ipad",
            "storeItemBinaryGuid": "Y8a8lFjFufZyqd1tAdjonufw",
            "storeItemBinaryModified": "Fri Nov 02 10:44:45 GMT
2012",
            "storeItemBinaryVersion": 1,
            "url":
"http://<domain>/box/srv/1.1/mas/storeitem/downloadvers?guid=o1Z1S_t-
hyGMXymqTzIWS4xd"
          }]
        },
        {
          "description": "description",
          "guid": "<unique_id>",
          "icon": "<base64_string>",
          "name": "<string_item_name>"
        }
      ],
      "status": "ok"
    }
  ]
}
```

2.6.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

2.6.5. Options

2.6.5.1. Binaries field

The `binaries` field is an array of information about the currently uploaded Store Item Binaries. It consists of :

- **config** - a field for any extra OS related configuraton. For example, the ios bundle id.
- **storeItemBinaryVersion** - The current store item binary version number.
- **sysModified** - The last modified date of this store item binary.
- **type** - The store item binary type.
- **url** - You can use this url to download the latest version this store item binary.
- **versions** - An array containing a history of older Store Item Binaries (a maximum of 4 entries is kept).

2.7. ADD AUTH POLICY

2.7.1. Description

Add an Auth policy to be used with the appstore.

2.7.2. Endpoint

- uri - `/box/srv/1.1/admin/appstore/addpolicy`
- method POST

2.7.3. Request Body

```
{
  "guid": "<policy_id>"
}
```

2.7.4. Response Body

2.7.4.1. Success

```
{
  "status": "ok"
}
```

2.7.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

2.8. REMOVE STORE AUTH POLICY

2.8.1. Description

Remove an Auth policy from being used in with the appstore.

2.8.2. Endpoint

- uri - /box/srv/1.1/admin/appstore/removepolicy
- method POST

2.8.3. Request Body

```
{  
  "guid": "<policy_id>"  
}
```

2.8.4. Response Body

2.8.4.1. Success

```
{  
  "status": "ok"  
}
```

2.8.4.2. Error

```
{  
  "status": "error",  
  "message": "<error_message>"  
}
```

2.9. LIST AUTH POLICIES

2.9.1. Description

List the policies attached to the appstore.

2.9.2. Endpoint

- uri - /box/srv/1.1/admin/appstore/listpolicies
- method POST

2.9.3. Request Body

```
{}
```

2.9.4. Response Body

2.9.4.1. Success

```
{
  "list": [
    "ORF5SiIH623yYmBD1ftlF0A4"
  ],
  "status": "ok"
}
```

2.9.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

2.10. CREATE APP STORE ITEM

2.10.1. Description

Create an app store item.

2.10.2. Endpoint

- uri - /box/srv/1.1/admin/storeitem/create
- method - POST



NOTE

The icon is uploaded after the item is created. The item will be created with a no icon.

2.10.3. Request Body

```
{
  "name" : String,
  "description": String <optional>,
  "authToken":String <optional>
}
```

2.10.4. Response Body

```
{
  "status": "ok",
  "guid": "<app_store_global_unique_id>",
  "name": "<app_store_name>",
  "description": "<app_store_description>",
  "authToken": "<unique_token_used_by_client_to_autheticate>",
  "icon": "<base_64_encoded_icon_data>",
  "binaries": [
    {
```

```

    "config": {
      "bundle_id": "<ios_bundle_id>"
    },
    "storeItemBinaryVersion": 2,
    "sysModified": "Fri Nov 02 10:06:48 GMT 2012",
    "type": "iphone | android | ios | ipad",
    "url": "http://<domain>/box/srv/1.1/mas/storeitem/install?
guid=dweFfHihI616y67aQB4sNGQt",
    "versions": [{
      "config": {},
      "destinationCode": "iphone | android | ios | ipad",
      "storeItemBinaryGuid": "Y8a8lFjFufZyqd1tAdjonufw",
      "storeItemBinaryModified": "Fri Nov 02 10:44:45 GMT 2012",
      "storeItemBinaryVersion": 1,
      "url":
"http://<domain>/box/srv/1.1/mas/storeitem/downloadvers?guid=o1Z1S_t-
hyGMXymqTzIWS4xd"
    }]
  },
  "authpolicies": [<unique_policy_id>],
  "restrictToGroups": true|false,
  "groups": ["<store_item_group_id>",...]
}

```

2.10.4.1. Error

```

{
  "status": "error",
  "message": "<error_message>"
}

```

2.11. READ APP STORE ITEM

2.11.1. Description

Read details of a store item.

2.11.2. Endpoint

- uri - /box/srv/1.1/admin/storeitem/read
- method - POST

2.11.3. Request Body

```

{
  "guid":String
}

```

2.11.3.1. Response Body

```
{
  "status": "ok",
  "guid": "<app_store_global_unique_id>",
  "name": "<app_store_name>",
  "description": "<app_store_description>",
  "authToken": "<unique_token_used_by_client_to_authenticate>",
  "icon": "<base_64_encoded_icon_data>",
  "binaries": [
    {
      "config": {
        "bundle_id": "<ios_bundle_id>"
      },
      "storeItemBinaryVersion": 2,
      "sysModified": "Fri Nov 02 10:06:48 GMT 2012",
      "type": "iphone | android | ios | ipad",
      "url": "http://<domain>/box/srv/1.1/mas/storeitem/install?guid=dweFfHihI616y67aQB4sNGQt",
      "versions": [{
        "config": {},
        "destinationCode": "iphone | android | ios | ipad",
        "storeItemBinaryGuid": "Y8a8lFjFufZyqd1tAdjonufw",
        "storeItemBinaryModified": "Fri Nov 02 10:44:45 GMT 2012",
        "storeItemBinaryVersion": 1,
        "url": "http://<domain>/box/srv/1.1/mas/storeitem/downloadvers?guid=o1Z1S_t-hyGMXymqTzIWS4xd"
      }]
    },
    {}
  ],
  "authpolicies": [<unique_policy_id>],
  "restrictToGroups": true|false,
  "groups": [<store_item_group_id>]
}
```

2.11.3.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

2.12. UPDATE ITEM

2.12.1. Endpoint

- /box/srv/1.1/admin/storeitem/update
- method POST

2.12.2. Request Body

```
{
  "name": String,
  "description": String,
```



```

    "authToken": String,
    "restrictToGroups": true|false // optional - will not change if not set
  }

```

2.12.3. Response Body

```

{
  "status": "ok",
  "guid": "<app_store_global_unique_id>",
  "name": "<app_store_name>",
  "description": "<app_store_description>",
  "authToken": "<unique_token_used_by_client_to_autheticate>",
  "icon": "<base_64_encoded_icon_data>",
  "binaries": [
    {
      "config": {
        "bundle_id": "<ios_bundle_id>"
      },
      "storeItemBinaryVersion": 2,
      "sysModified": "Fri Nov 02 10:06:48 GMT 2012",
      "type": "iphone | android | ios | ipad",
      "url": "http://<domain>/box/srv/1.1/mas/storeitem/install?
guid=dweFfHihI616y67aQB4sNGQt",
      "versions": [{
        "config": {},
        "destinationCode": "iphone | android | ios | ipad",
        "storeItemBinaryGuid": "Y8a8lFjFufZyqd1tAdjonufw",
        "storeItemBinaryModified": "Fri Nov 02 10:44:45 GMT 2012",
        "storeItemBinaryVersion": 1,
        "url": "http://<domain>/box/srv/1.1/mas/storeitem/downloadvers?
guid=o1Z1S_t-hyGMXymqTzIWS4xd"
      }]
    },
    {
      "authpolicies": [<unique_policy_id>],
      "restrictToGroups": true|false,
      "groups": ["<store_item_group_id>",...]
    }
  ]
}

```

2.12.3.1. Error

```

{
  "status": "error",
  "message": "<error_message>"
}

```

2.13. DELETE APP STORE ITEM

2.13.1. Endpoint

- /box/srv/1.1/admin/storeitem/delete
- method POST

2.13.2. Request Body

```
{
  "guid" : "unique store item id"
}
```

2.13.3. Response Body

```
{
  "status": "ok"
}
```

2.13.3.1. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

2.14. LIST APP STORE ITEMS

2.14.1. Description

List items in an app store.

2.14.2. Endpoint

- uri - /box/srv/1.1/admin/storeitem/list
- method - POST

2.14.3. Request Body

```
{}
```

2.14.4. Response Body

```
{
  "status": "ok",
  "list": [
    {
      "guid": "<app_store_global_unique_id>",
      "name": "<app_store_name>",
      "description": "<app_store_description>",
      "authToken": "<unique_token_used_by_client_to_autheticate>",
      "icon": "<base_64_encoded_icon_data>",
      "binaries": [
        {
          "config": {
            "bundle_id": "<ios_bundle_id>"
          }
        }
      ]
    }
  ]
}
```

```

    },
    "storeItemBinaryVersion": 2,
    "sysModified": "Fri Nov 02 10:06:48 GMT 2012",
    "type": "iphone | android | ios | ipad",
    "url": "http://<domain>/box/srv/1.1/mas/storeitem/install?
guid=dweFfHihI616y67aQB4sNGQt",
    "versions": [{
        "config": {},
        "destinationCode": "iphone | android | ios | ipad",
        "storeItemBinaryGuid": "Y8a8lFjFufZyqd1tAdjonufw",
        "storeItemBinaryModified": "Fri Nov 02 10:44:45 GMT 2012",
        "storeItemBinaryVersion": 1,
        "url":
"http://<domain>/box/srv/1.1/mas/storeitem/downloadvers?guid=o1Z1S_t-
hyGMXymqTzIWS4xd"
    }]
  }],
  "authpolicies": [<unique_policy_id>],
  "restrictToGroups": true|false,
  "groups": [<store_item_group_id>, ...]
}
]
}

```

2.14.4.1. Error

```

{
  "status": "error",
  "message": "<error_message>"
}

```

2.15. UPLOAD BINARY

2.15.1. Endpoint

- /box/srv/1.1/admin/storeitem/uploadbinary
- method POST
- file sent as multipart request

2.15.2. Request Body

```

{
  "guid": "String",
  "type": "<icon|ios|ipad|iphone|android>"
}

```

2.15.3. Response

```

{
  "status": "ok"
}

```

```

"list":[
  {
    "guid": "<app_store_global_unique_id>",
    "name": "<app_store_name>",
    "description": "<app_store_description>",
    "authToken": "<unique_token_used_by_client_to_autheticate>",
    "icon": "<base_64_encoded_icon_data>",
    "binaries": [
      {
        "config": {
          "bundle_id": "<ios_bundle_id>"
        },
        "storeItemBinaryVersion": 2,
        "sysModified": "Fri Nov 02 10:06:48 GMT 2012",
        "type": "iphone | android | ios | ipad",
        "url": "http://<domain>/box/srv/1.1/mas/storeitem/install?
guid=dweFfHihI616y67aQB4sNGQt",
        "versions": [{
          "config": {},
          "destinationCode": "iphone | android | ios | ipad",
          "storeItemBinaryGuid": "Y8a8lFjFufZyqd1tAdjonufw",
          "storeItemBinaryModified": "Fri Nov 02 10:44:45 GMT 2012",
          "storeItemBinaryVersion": 1,
          "url":
"http://<domain>/box/srv/1.1/mas/storeitem/downloadvers?guid=o1Z1S_t-
hyGMXymqTzIWS4xd"
        }]
      },
      "authpolicies": [<unique_policy_id>],
      "restrictToGroups": true|false,
      "groups": ["<store_item_group_id>","..."]
    }
  ]
}

```

2.15.3.1. Error

```

{
  "status": "error",
  "message": "<error_message>"
}

```

2.16. ADD AUTH POLICY

2.16.1. Endpoint

- /box/srv/1.1/admin/storeitem/addpolicy
- method POST

2.16.2. Request Body

```

{

```

```

    "guid": "<store_item_id>",
    "authguid": "<policy_id>"
  }

```

2.16.3. Response Body

```

{
  "status": "ok",
  "list": [
    {
      "guid": "<app_store_global_unique_id>",
      "name": "<app_store_name>",
      "description": "<app_store_description>",
      "authToken": "<unique_token_used_by_client_to_autheticate>",
      "icon": "<base_64_encoded_icon_data>",
      "binaries": [
        {
          "config": {
            "bundle_id": "<ios_bundle_id>"
          },
          "storeItemBinaryVersion": 2,
          "sysModified": "Fri Nov 02 10:06:48 GMT 2012",
          "type": "iphone | android | ios | ipad",
          "url": "http://<domain>/box/srv/1.1/mas/storeitem/install?guid=dweFfHihI616y67aQB4sNGQt",
          "versions": [{
            "config": {},
            "destinationCode": "iphone | android | ios | ipad",
            "storeItemBinaryGuid": "Y8a8lFjFufZyqd1tAdjonufw",
            "storeItemBinaryModified": "Fri Nov 02 10:44:45 GMT 2012",
            "storeItemBinaryVersion": 1,
            "url": "http://<domain>/box/srv/1.1/mas/storeitem/downloadvers?guid=o1Z1S_t-hyGMXymqTzIWS4xd"
          }]
        }
      ],
      "authpolicies": [<unique_policy_id>],
      "restrictToGroups": true|false,
      "groups": [<store_item_group_id>, ...]
    }
  ]
}

```

2.16.3.1. Error

```

{
  "status": "error",
  "message": "<error_message>"
}

```

2.17. REMOVE STORE ITEM AUTH POLICY

2.17.1. Endpoint

- /box/srv/1.1/admin/storeitem/removepolicy
- method POST

2.17.2. Request Body

```
{
  "guid": "<store_item_id>",
  "authguid": "<policy_id>"
}
```

2.17.3. Response Body

```
{
  "status": "ok"
  "list": [
    {
      "guid": "<app_store_global_unique_id>",
      "name": "<app_store_name>",
      "description": "<app_store_description>",
      "authToken": "<unique_token_used_by_client_to_autheticate>",
      "icon": "<base_64_encoded_icon_data>",
      "binaries": [
        {
          "config": {
            "bundle_id": "<ios_bundle_id>"
          },
          "storeItemBinaryVersion": 2,
          "sysModified": "Fri Nov 02 10:06:48 GMT 2012",
          "type": "iphone | android | ios | ipad",
          "url": "http://<domain>/box/srv/1.1/mas/storeitem/install?guid=dweFfHihI616y67aQB4sNGQt",
          "versions": [{
            "config": {},
            "destinationCode": "iphone | android | ios | ipad",
            "storeItemBinaryGuid": "Y8a8lFjFufZyqd1tAdjonufw",
            "storeItemBinaryModified": "Fri Nov 02 10:44:45 GMT 2012",
            "storeItemBinaryVersion": 1,
            "url": "http://<domain>/box/srv/1.1/mas/storeitem/downloadvers?guid=o1Z1S_t-hyGMXymqTzIWS4xd"
          }]
        },
        {
          "authpolicies": [<unique_policy_id>],
          "restrictToGroups": true|false,
          "groups": ["<store_item_group_id>",...]
        }
      ]
    }
  ]
}
```

2.17.3.1. Error

■

```
{
  "status": "error",
  "message": "<error_message>"
}
```

2.18. GET BINARY CONFIG

2.18.1. Endpoint

- /box/srv/1.1/admin/storeitem/getbinaryconfig
- method POST | GET

2.18.2. Request Body

```
{
  "guid": "<store_item_guid>",
  "type": "<ios|ipad|iphone|android>"
}
```

2.18.3. Response

```
{
  "status": "ok"
  "guid": "<store_item_guid>",
  "type": "<ios|iphone|ipad|android>",
  "config": {
    "<config_key>": "<config_value>"
  }
}
```

2.18.3.1. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

2.19. SET BINARY CONFIG

2.19.1. Endpoint

- /box/srv/1.1/admin/storeitem/setbinaryconfig
- method POST

2.19.2. Request Body

```
{
  "guid": "<store_item_guid>",
```

```
"type": "<ios|ipad|iphone|android>",
"config": {
  "<config_key>": "<config_value>"
}
```

2.19.3. Response

```
{
  "status": "ok"
  "guid": "<store_item_guid>",
  "type": "<ios|iphone|ipad|android>",
  "config": {
    "<config_key>": "<config_value>"
  }
}
```

2.19.4. Error

2.19.4.1. Possible error messages:

- invalid_type
- invalid_guid

2.20. ADD STOREITEM GROUPS

2.20.1. Endpoint

- /box/srv/1.1/admin/storeitem/addgroups
- method POST

2.20.2. Request Body

```
{
  "guid": "<store_item_id>",
  "groups": [<store_item_group_id>, ...]
}
```

2.20.3. Response Body

```
{
  "status": "ok",
  "list": [
    {
      "guid": "<app_store_global_unique_id>",
      "name": "<app_store_name>",
      "description": "<app_store_description>",
      "authToken": "<unique_token_used_by_client_to_autheticate>",
      "icon": "<base_64_encoded_icon_data>",

```



```

    "binaries": [
      {
        "config": {
          "bundle_id": "<ios_bundle_id>"
        },
        "storeItemBinaryVersion": 2,
        "sysModified": "Fri Nov 02 10:06:48 GMT 2012",
        "type": "iphone | android | ios | ipad",
        "url": "http://<domain>/box/srv/1.1/mas/storeitem/install?
guid=dweFfHihI616y67aQB4sNGQt",
        "versions": [{
          "config": {},
          "destinationCode": "iphone | android | ios | ipad",
          "storeItemBinaryGuid": "Y8a8lFjFufZyqd1tAdjonufw",
          "storeItemBinaryModified": "Fri Nov 02 10:44:45 GMT 2012",
          "storeItemBinaryVersion": 1,
          "url":
"http://<domain>/box/srv/1.1/mas/storeitem/downloadvers?guid=o1Z1S_t-
hyGMXymqTzIWS4xd"
        }]
      },
      "authpolicies": [<unique_policy_id>],
      "restrictToGroups": true|false,
      "groups": [<store_item_group_id>, ...]
    ]
  }
}

```

2.20.3.1. Error

```

{
  "status": "error",
  "message": "<error_message>"
}

```

2.21. REMOVE STOREITEM GROUPS

2.21.1. Endpoint

- /box/srv/1.1/admin/storeitem/removegroups
- method POST

2.21.2. Request Body

```

{
  "guid": "<store_item_id>",
  "groups": [<store_item_group_id>, ...]
}

```

2.21.3. Response Body

```
{
  "guid": "<app_store_global_unique_id>",
  "name": "<app_store_name>",
  "description": "<app_store_description>",
  "authToken": "<unique_token_used_by_client_to_authenticate>",
  "icon": "<base_64_encoded_icon_data>",
  "binaries": [
    {
      "type": "<ios|iphone|ipad|android>",
      "url": "<url_to_app_binary>"
    }
  ],
  "authpolicies": [<unique_policy_id>],
  "restrictToGroups": true|false,
  "groups": [<store_item_group_id>,...]
}
```

2.21.3.1. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

2.22. LIST AUDIT LOG ENTRIES

2.22.1. Description

Get a list of the Audit Log entries.

2.22.2. Endpoint

- uri - /box/srv/1.1/admin/auditlog/listlogs
- method - POST | GET

2.22.3. Auth

Restricted - requires sessionId as header.

```
X-FH-AUTH-SESSION: "<sessionId_returned_from_fh.auth_call>"
```

2.22.4. Request Body

```
{
  "userId": "<unique user guid>",
  "storeItemGuid": "<store_item_global_unique_id>",
  "storeItemBinaryType": "ios | iphone | ipad | android",
  "limit": "10 | 100 | 1000"
}
```

2.22.5. Response Body

2.22.5.1. Success

```
{
  "status": "ok",
  "list": [{
    "deviceId": "<device_global_unique_id>",
    "domain": "<domain name>",
    "guid": "<audit_log_entry_global_unique_id>_RA2E11wCdS",
    "ipAddress": "<downloading host ip address>",
    "storeItemBinaryGuid": "<store item binary guid>",
    "storeItemBinaryType": "<store item binary type>",
    "storeItemBinaryVersion": "<store item binary version>",
    "storeItemGuid": "<store_item_global_unique_id>",
    "storeItemTitle": "<store item title>",
    "sysCreated": "<audit log creation time>",
    "sysVersion": "<version>",
    "userGuid": "<user guid>",
    "userId": "<user_friendly_id>"
  },
  /* ... */
]
```

2.22.5.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

2.22.5.2.1. Possible error messages:

- invalid_type

2.23. READ APP STORE

2.23.1. Description

Read details of the app store - name, description, icon & supported Auth policies.

2.23.2. Endpoint

- uri - /box/srv/1.1/mas/appstore/read
- method - POST | GET

2.23.3. Auth

Open - a public endpoint which can be called with no authentication.

2.23.4. Request Body

N/A

2.23.5. Response Body

2.23.5.1. Success

```
{
  "status": "ok",
  "guid": "<app_store_global_unique_id>",
  "name": "<app_store_name>",
  "description": "<app_store_description>",
  "icon" : "<base64_encoded_representation_of_app_store_icon>"
  "authpolicies": [
    {
      "name": "<auth_policy_name_1>",
      "type": "<auth_policy_type_1>"
    },
    {
      "name": "<auth_policy_name_2>",
      "type": "<auth_policy_type_2>"
    },
    ...
    {
      "name": "<auth_policy_name_N>",
      "type": "<auth_policy_type_N>"
    }
  ]
}
```

2.23.5.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

2.24. GET APP STORE ITEMS

2.24.1. Description

Read list of Store Items available from the app store. Includes a list of available binaries and their type.

2.24.2. Endpoint

- uri - /box/srv/1.1/mam/appstore/getstoreitems
- method - POST

2.24.3. Auth

Restricted - requires sessionId as header.

```
X-FH-AUTH-SESSION: "<sessionId_returned_from_fh.auth_call>"
```

2.24.4. Request Body

```
{
  "appstore": "<app_store_global_unique_id>"
}
```

2.24.5. Response Body

2.24.5.1. Success

```
{
  "status": "ok",
  "storeitems": [{
    "guid": "<store_item_global_unique_id_1>",
    "name": "<store_item_name_1>",
    "description": "<store_item_description_2>",
    "icon": "<base64_encoded_representation_of_store_item_icon_2>",
    "targets" : [
      {
        "type": "ios | iphone | ipad | android",
        "url": "url_of_installable_artifact_1"
      },
      {
        "type": "ios | iphone | ipad | android",
        "url": "url_of_installable_artifact_2"
      },
      ...
      {
        "type": "ios | iphone | ipad | android",
        "url": "url_of_installable_artifact_N"
      }
    ]
  },
  {
    "guid": "<store_item_global_unique_id_2>",
    "name": "<store_item_name_2>",
    "description": "<store_item_description_2>",
    "icon": "<base64_encoded_representation_of_store_item_icon_2>",
    "targets" : [
      {
        "type": "ios | iphone | ipad | android",
        "url": "url_of_installable_artifact_1"
      },
      {
        "type": "ios | iphone | ipad | android",
        "url": "url_of_installable_artifact_2"
      },
      ...
      {

```

```
        "type": "ios | iphone | ipad | android",
        "url": "url_of_installable_artifact_N"
    }
]
}
...
{
    "guid": "<store_item_global_unique_id_N>",
    "name": "<store_item_name_N>",
    "description": "<store_item_description_N>",
    "icon": "<base64_encoded_representation_of_store_item_icon_N>",
    "targets" : [
        {
            "type": "ios | iphone | ipad | android",
            "url": "url_of_installable_artifact_1"
        },
        {
            "type": "ios | iphone | ipad | android",
            "url": "url_of_installable_artifact_2"
        },
        ...
        {
            "type": "ios | iphone | ipad | android",
            "url": "url_of_installable_artifact_N"
        }
    ]
}
}
```

2.24.5.2. Error

```
{
    "status": "error",
    "message": "<error_message>"
}
```

2.25. INSTALL STORE ITEM

2.25.1. Description

Install an App Store Item. Depending on the type requested, this API may return a binary stream or a URL redirect.

2.25.2. Endpoint

- uri - /box/srv/1.1/mas/storeitem/install
- method - POST | GET

2.25.3. Auth

Restricted - requires sessionId as header.

```
X-FH-AUTH-SESSION: "<sessionId_returned_from_fh.auth_call>"
```

2.25.4. Request Body

```
{
  "guid": "<store_item_global_unique_id>",
  "type": "ios | iphone | ipad | android"
}
```

2.25.5. Response

2.25.5.1. Success

The response will vary depending on the "type" parameter in the request.

2.25.5.1.1. ios | iphone | ipad

iOS Over The Air (OTA) installer page.

2.25.5.1.2. android

Installable binary artifact for android device - .apk file.

2.25.5.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

2.25.5.2.1. Possible error messages:

- invalid_type
- invalid_guid

CHAPTER 3. AUTH POLICIES API

Auth policies allow you to define different methods for **authenticating** and **authorizing** your application users. Different Auth Policies require different authentication configuration options to be defined. The structure of the various authentication configuration options are defined in the [Authentication Configuration Options](#).

3.1. CREATE AUTH POLICY

3.1.1. Description

Create a new Auth policy.

3.1.2. Endpoint

- uri - /box/srv/1.1/admin/authpolicy/create
- method - POST

3.1.3. Request Body

```
{
  // required - a unique id for the policy. Used by $fh.auth() to
  // specify which Auth policy to use for authenticating/authorizing users
  "policyId": "<for example, oauth-google>",
  // required - the type of Authentication policy
  "policyType": "<oauth1 | oauth2 | ldap | openid>",
  // required, the configuration parameters for the policy
  // See Configuration Options section for full details
  "configurations": {<Config JSON Object>},
  // optional, default false
  // Flag to indicate if a check should be performed to
  // validate that the user id of the user being authenticated exists
  // in the platform. This should be set to
  // true for private apps & false for public apps.
  "checkUserExists": true | false,
  // Flag to indicate if our User needs to be approved for Auth
  "checkUserApproved": true | false
}
```

3.1.4. Response Body

3.1.4.1. Success

```
{
  "status": "ok",
  "guid": "<new_auth_policy_global_unique_id>"
}
```

3.1.4.2. Error


```
{
  "status": "error",
  "message": "<error_message>"
}
```

3.2. READ AUTH POLICY

3.2.1. Description

Read details of an existing Auth policy.

3.2.2. Endpoint

- uri - /box/srv/1.1/admin/authpolicy/read
- method - POST

3.2.3. Request Body

```
{
  // required - the unique id the policy to read
  "policyId": "<for example, oauth-google>"
}
```

3.2.4. Response Body

3.2.4.1. Success

```
{
  "status": "ok",
  "guid": "<auth_policy_global_unique_id>",
  "policyId" : "<user_defined_policy_identififier>",
  "policyType": "<oauth1 | oauth2 | ldap | openid>",
  "configurations": {<Config JSON Object>},
  "checkUserExists": true | false,
  "checkUserApproved": true | false,
  "users" : [<user-id>]
}
```

3.2.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

3.3. UPDATE AUTH POLICY

3.3.1. Description

Update an existing Auth policy.

3.3.2. Endpoint

- uri - /box/srv/1.1/admin/authpolicy/update
- method - POST

3.3.3. Request Body

```
{
  // required - the global unique identifier for the policy to update
  "guid" : "<global_unique_identifier>",
  // required - a unique id for the policy. Used by $fh.auth() to
  // specify which authentication policy to use for
  authenticating/authorizing users
  "policyId": "<for example, oauth-google>",
  // required - the type of Auth policy
  "policyType": "<oauth1 | oauth2 | ldap | openid>",
  // required, the configuration parameters for the policy
  // See See Configuration Options section for full details
  "configurations": {<Config JSON Object>},
  // optional, default false
  // Flag to indicate if a check should be performed to
  // validate that the user id of the user being authenticated exists
  // in the platform. This should be set to
  // true for private apps & false for public apps.
  "checkUserExists": true | false,
  // Flag to indicate if our User needs to be approved for Auth
  "checkUserApproved": true | false
}
```

3.3.4. Response Body

3.3.4.1. Success

```
{
  "status": "ok",
  "guid": "<auth_policy_global_unique_id>"
}
```

3.3.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

3.4. DELETE AUTH POLICY

3.4.1. Description

Delete an existing Auth policy.

3.4.2. Endpoint

- uri - /box/srv/1.1/admin/authpolicy/delete
- method - POST

3.4.3. Request Body

```
{  
  // required - the global unique identifier for the policy to delete  
  "guid" : "<global_unique_identifier>"  
}
```

3.4.4. Response Body

3.4.4.1. Success

```
{  
  "status": "ok"  
}
```

3.4.4.2. Error

```
{  
  "status": "error",  
  "message": "<error_message>"  
}
```

3.5. LIST AUTH POLICIES

3.5.1. Description

List all existing Auth policies.

3.5.2. Endpoint

- uri - /box/srv/1.1/admin/authpolicy/list
- method - POST | GET

3.5.3. Request Body

N/A

3.5.4. Response Body

3.5.4.1. Success

-

```

{
  "status": "ok",
  "list" : [
    {
      "guid": "<auth_policy_global_unique_id#1>",
      "policyId" : "<user_defined_policy_identifier#1>"
      "policyType": "<oauth1 | oauth2 | ldap | openid>",
      "configurations": {<Config JSON Object>},
      "checkUserExists": true | false,
      "checkUserApproved": true | false
    },
    {
      "guid": "<auth_policy_global_unique_id#2>",
      "policyId" : "<user_defined_policy_identifier#2>"
      "policyType": "<oauth1 | oauth2 | ldap | openid>",
      "configurations": {<Config JSON Object>},
      "checkUserExists": true | false,
      "checkUserApproved": true | false
    },
    ...
    {
      "guid": "<auth_policy_global_unique_id#N>",
      "policyId" : "<user_defined_policy_identifier#N>"
      "policyType": "<oauth1 | oauth2 | ldap | openid>",
      "configurations": {<Config JSON Object>},
      "checkUserExists": true | false,
      "checkUserApproved": true | false
    }
  ],
  "count" : "<number_of_policies>"
}

```

3.5.4.2. Error

```

{
  "status": "error",
  "message": "<error_message>"
}

```

3.6. LIST POLICY USERS

3.6.1. Description

List all Users associated with an Auth Policy.

3.6.2. Endpoint

- uri - /box/srv/1.1/admin/authpolicy/users
- method - POST

3.6.3. Request Body

■

```
{
  "guid": "<policy_guid>",
}
```

3.6.4. Response Body

3.6.4.1. Success

```
{
  "status": "ok",
  "list" : [
    {
      "userid": "<user_id>",
      "name" : "<user_name>"
      "email": "<user_email>",
    }
  ],
  "count" : "<number_of_users_for_this_policy>"
}
```

3.6.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

3.7. ADD USERS TO A POLICY

3.7.1. Description

Associate Users with an Auth Policy.

3.7.2. Endpoint

- uri - /box/srv/1.1/admin/authpolicy/addusers
- method - POST

3.7.3. Request Body

```
{
  "guid": "<policy_guid>",
  "users": ["<user_id>"]
}
```

3.7.4. Response Body

3.7.4.1. Success

■

```
{  
  "status": "ok"  
}
```

3.7.4.2. Error

```
{  
  "status": "error",  
  "message": "<error_message>"  
}
```

3.8. REMOVE USERS FROM A POLICY

3.8.1. Description

Remove Users association with an Auth Policy.

3.8.2. Endpoint

- uri - /box/srv/1.1/admin/authpolicy/removeusers
- method - POST

3.8.3. Request Body

```
{  
  "guid": "<policy_guid>",  
  "users": ["<user_id>"]  
}
```

3.8.4. Response Body

3.8.4.1. Success

```
{  
  "status": "ok"  
}
```

3.8.4.2. Error

```
{  
  "status": "error",  
  "message": "<error_message>"  
}
```

3.9. AUTHENTICATION CONFIGURATION OPTIONS

3.9.1. OAuth 2.0

- **clientId** - The public key used to identify the client which is requesting the authentication. This key will be passed to, and used by, the client.
- **clientSecret** - The secret key assigned by your OAuth provider. This key should never be set to, or stored on the client. It is used for server-to-server communication between the platform and the OAuth Provider.

3.9.1.1. Example:

```
{
  "clientId": "1234567890.apps.example.com",
  "clientSecret": "Wfv8DQw80hhyaBqnW37x5R23"
}
```

3.9.2. LDAP

- **authmethod** - The authentication method to use when authenticating against the LDAP server. This can be one of: 'simple', 'DIGEST-MD5', 'CRAM-MD5', or 'GSSAPI'.
- **url** - The LDAP Server url for example, "ldap://foo.example.com:389/".
- **dn** - The "Distinguished Name" to use. A DN is a sequence of relative distinguished names (RDN) connected by commas - for example, "ou=people,dc=example,dc=com".
- **dn_prefix** - The prefix to use for authentication for example, "uid" or "cn".

3.9.2.1. Example:

```
{
  "authmethod" : "simple",
  "url" : "ldap://foo.example.com:389/",
  "dn": "ou=people,dc=example,dc=com",
  "dn_prefix": "cn",
}
```

CHAPTER 4. CLOUD ALERTS API

4.1. LIST ALERTS

4.1.1. Description

List alerts associated with an app.

4.1.2. Endpoint

- uri - /box/srv/1.1/cm/eventlog/alert/list
- method - POST

4.1.3. Request Body

```
{
  "appGuid": "<24 char String>",
  "env": "<environment>"
}
```

4.1.4. Response Body

4.1.4.1. Success

```
{
  "list": [
    {
      "alertName": "AppTerminated",
      "emails": "test@example.com",
      "enabled": true,
      "env": "dev",
      "eventCategories": "APP_STATE",
      "eventNames": "",
      "eventSeverities": "FATAL",
      "guid": "iV5E_ASJcQ_83T0gbDpYbHIp",
      "sysCreated": "2013-06-28 11:09:05",
      "sysModified": "2013-06-28 11:09:05",
      "uid": "ajBTU-_UMtc7gg0CL6MbZRP_"
    },
    ...
  ],
  "status": "ok"
}
```

4.1.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```


4.2. CREATE AN ALERT

4.2.1. Description

Create a new alert for an app.

4.2.2. Endpoint

- uri - /box/srv/1.1/cm/eventlog/alert/create
- method - POST

4.2.3. Request Body

```
{
  "alertName": "<The name of the alert, for example, TestAlert>",
  "emails": "<The recipients of the alert>",
  "enabled": "<true|false>",
  "env": "<environment>",
  "eventCategories": "<any of the event categories, for example,
APP_STATE>",
  "eventNames": "<any of the event name, for example, APP_TERMINATED.
NOTE, if this is specified as well as the event categories and severities,
need to make sure categories and severies are valid for the events>",
  "eventSeverities": "<any of the event severities, for example, FATAL>",
  "uid": "<the guid of the app>"
}
```

4.2.4. Response Body

4.2.4.1. Success

```
{
  "alertName": "TestAlert",
  "emails": "test@example.com",
  "enabled": true,
  "env": "dev",
  "eventCategories": "APP_STATE",
  "eventNames": "TERMINATED",
  "eventSeverities": "FATAL",
  "guid": "F9zwTLwAwsaTZP7I45s0tRKJ",
  "sysCreated": "2013-07-04 15:32:54",
  "sysModified": "2013-07-04 15:32:54",
  "uid": "ajBTU-_UMtc7ggOCL6MbZRP_",
  "status": "ok"
}
```

4.2.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

```
}
```

4.3. UPDATE AN ALERT

4.3.1. Description

Update an existing alert for an app.

4.3.2. Endpoint

- uri - /box/srv/1.1/cm/eventlog/alert/update
- method - POST

4.3.3. Request Body

```
{
  "guid": "<The unique id of the alert>",
  "alertName": "<The name of the alert, for example, TestAlert>",
  "emails": "<The recipients of the alert>",
  "enabled": "<true|false>",
  "env": "<environment>",
  "eventCategories": "<any of the event categories, for example,
APP_STATE>",
  "eventNames": "<any of the event name, for example, APP_TERMINATED.
NOTE, if this is specified as well as the event categories and severities,
need to make sure categories and severies are valid for the events>",
  "eventSeverities": "<any of the event severities, for example, FATAL>",
  "uid": "<the guid of the app>"
}
```

4.3.4. Response Body

4.3.4.1. Success

```
{
  "alertName": "TestAlert",
  "emails": "test@example.com, test1@example.com",
  "enabled": true,
  "env": "dev",
  "eventCategories": "APP_STATE",
  "eventNames": "TERMINATED",
  "eventSeverities": "FATAL",
  "guid": "F9zwTLwAwsaTZP7I45sOtRKJ",
  "sysCreated": "2013-07-04 15:32:54",
  "sysModified": "2013-07-04 15:32:54",
  "uid": "ajBTU-_UMtc7ggOCL6MbZRP_",
  "status": "ok"
}
```

4.3.4.2. Error

-

```
{
  "status": "error",
  "message": "<error_message>"
}
```

4.4. DELETE AN ALERT

4.4.1. Description

Delete an existing alert for an app.

4.4.2. Endpoint

- uri - /box/srv/1.1/cm/eventlog/alert/delete
- method - POST

4.4.3. Request Body

```
{
  "guid": "<The unique id of the alert>",
  "alertName": "<The name of the alert, for example, TestAlert>",
  "emails": "<The recipients of the alert>",
  "enabled": "<true|false>",
  "env": "<environment>",
  "eventCategories": "<any of the event categories, for example,
APP_STATE>",
  "eventNames": "<any of the event name, for example, APP_TERMINATED.
NOTE, if this is specified as well as the event categories and severities,
need to make sure categories and severies are valid for the events>",
  "eventSeverities": "<any of the event severities, for example, FATAL>",
  "uid": "<the guid of the app>"
}
```

4.4.4. Response Body

4.4.4.1. Success

```
{
  "alertName": "TestAlert",
  "emails": "test@example.com, test1@example.com",
  "enabled": true,
  "env": "dev",
  "eventCategories": "APP_STATE",
  "eventNames": "TERMINATED",
  "eventSeverities": "FATAL",
  "guid": "F9zwTLwAwsaTZP7I45s0tRKJ",
  "sysCreated": "2013-07-04 15:32:54",
  "sysModified": "2013-07-04 15:32:54",
  "uid": "ajBTU-_UMtc7ggOCL6MbZRP_",
  "status": "ok"
}
```

4.4.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

4.5. LIST EMAIL NOTIFICATIONS

4.5.1. Description

List all the email notifications that are sent for an app.

4.5.2. Endpoint

- uri - /box/srv/1.1/cm/eventlog/alert/listAudit
- method - POST

4.5.3. Request Body

```
{
  "appGuid": "<24 char String>",
  "env": "<environment>"
}
```

4.5.4. Response Body

4.5.4.1. Success

```
{
  "list": [
    {
      "alertName": "AppTerminated",
      "body": "<Email Content>",
      "env": "dev",
      "guid": "RD006ByAU_BwJRolaZUhXp18",
      "recipients": "wei.li@feedhenry.com",
      "subject": "FeedHenry DynoFarm Testing Alert: AppTerminated - EventsTestApp1 (ajBTU-_UMtc7gg0CL6MbZRP_)",
      "sysCreated": "2013-07-04 14:24:23",
      "sysModified": "2013-07-04 14:24:23",
      "uid": "ajBTU-_UMtc7gg0CL6MbZRP_"
    },
    ...
  ],
  "status": "ok"
}
```

4.5.4.2. Error

```
{  
  "status": "error",  
  "message": "<error_message>"  
}
```

CHAPTER 5. CLOUD EVENTS API

5.1. LIST EVENTS

5.1.1. Description

List events from the event log for an app.

5.1.2. Endpoint

- uri - /box/srv/1.1/app/eventlog/listEvents
- method - POST

5.1.3. Request Body

```
{
  "appGuid": "<24 char String>",
  "env": "<environment>"
}
```

5.1.4. Response Body

5.1.4.1. Success

```
{
  "list": [{
    "fields": {
      "appGuid": "WaD9Fgzx7yMZRfAvQSw085e1",
      "category": "APP_STATE",
      "dismissed": false,
      "env": "dev",
      "eventDetails": {message:Completed app deployment},
      "message": "Completed app deployment",
      "eventType": "DEPLOYED",
      "guid": "43f-WyNeI4Wlif07-cgpBZVy",
      "message": "Completed app deployment",
      "severity": "INFO",
      "sysCreated": "2013-07-04 14:47:49:034",
      "timestamp": "2013-07-04 14:47:48:977",
      "title": "DEPLOYED",
      "uid": "WaD9Fgzx7yMZRfAvQSw085e1",
      "updatedBy": "System"
    },
    "guid": "rVfKTjq-YoosmcGUJf96f0xx",
    "type": "eventlog_EventLog"
  },
  ...
],
  "status": "ok"
}
```

5.1.4.2. Error

```
{  
  "status": "error",  
  "message": "<error_message>"  
}
```

CHAPTER 6. DEVICES API

6.1. LIST DEVICES

6.1.1. Description

Get a list of the devices which have authenticated against the platform.

6.1.2. Endpoint

- uri - /box/srv/1.1/admin/device/list
- method - POST

6.1.3. Request Body

```
{}
```

6.1.4. Response Body

6.1.4.1. Success

```
{
  "status": "ok",
  "count": <total device count>,
  "list" : [
    {
      "guid": "<device_global_unique_id>",
      "fields": {
        "cuid": "<id_assigned_by_device>",
        "name": "<Friendly_name_of_device>",
        "disabled": true|false, /* Is this device currently blocked from
logging in */
        "blacklisted": true|false /* Should data be purged from apps the
next time the device authenticates */
      }
    },
    ...
  ]
}
```

6.1.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

6.2. READ DEVICE

6.2.1. Description

Read details of a specific device based on its id.

6.2.2. Endpoint

- uri - /box/srv/1.1/admin/device/read
- method - POST

6.2.3. Request Body

```
{
  "cuid": "<id_assigned_by_device>"
}
```

6.2.4. Response Body

6.2.4.1. Success

```
{
  "status": "ok",
  "guid": "<global_unique_id>",
  "fields": {
    "cuid": "<id_assigned_by_device>",
    "name": "<Friendly_name_of_device>",
    "disabled": true|false, /* Is this device currently blocked from
logging in */
    "blacklisted": true|false /* Should data be purged from apps the next
time the device authenticates */
  }
}
```

6.2.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

6.3. UPDATE DEVICE

6.3.1. Description

Update details of a specific device based on its guid.

6.3.2. Endpoint

- uri - /box/srv/1.1/admin/device/update
- method - POST

6.3.3. Request Body

```
{
  "cuid": "<id_assigned_by_device>",
  "name": "<Friendly_name_of_device>", /* Optional */
  "disabled": true|false /* Optional - DEFAULT=false - Is this device
currently blocked from logging in */
  "blacklisted": true|false /* Optional - DEFAULT=false - Should data be
purged from apps the next time the device authenticates */
}
```

6.3.4. Response Body

6.3.4.1. Success

```
{
  "status": "ok",
  "guid": "<global_unique_id>",
  "fields": {
    "cuid": "<id_assigned_by_device>",
    "name": "<Friendly_name_of_device>",
    "disabled": true|false, /* Is this device currently blocked from
logging in */
    "blacklisted": true|false /* Should data be purged from apps the next
time the device authenticates */
  }
}
```

6.3.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

6.4. LIST APPS

6.4.1. Description

Return a list of the apps which have authenticated from the specified device id.

6.4.2. Endpoint

- uri - /box/srv/1.1/admin/device/listapps
- method - POST

6.4.3. Request Body

```
{
  "cuid": "<id_assigned_by_device>"
}
```

6.4.4. Response Body

6.4.4.1. Success

```
{
  "status": "ok",
  "count": <total apps count>,
  "list" : [
    {
      "guid": <unique app guid>,
      "fields" : {
        "name" : <app name>,
        "description" : <app description>,
      }
    },
    ...
  ]
}
```

6.4.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

6.5. LIST USERS

6.5.1. Description

Return a list of the user ids which have authenticated from the specified device id.

6.5.2. Endpoint

- uri - /box/srv/1.1/admin/device/listusers
- method - POST

6.5.3. Request Body

```
{
  "cuid": "<id_assigned_by_device>"
}
```

6.5.4. Response Body

6.5.4.1. Success

```
{
  "status": "ok",
  "count": <total users count>,
  "list" : [
    {
      "guid": <unique user guid>,
      "fields" : {
        "userId" : <unique user id>,
        "email" : <user email>
      }
    },
    ...
  ]
}
```

6.5.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

CHAPTER 7. ENDPOINT SECURITY API

7.1. GETSECUREENDPOINT

7.1.1. Description

Get the endpoint security data for the specified app and runtime environment.

7.1.2. Endpoint

- uri - /box/srv/1.1/app/endpointsecurity/get
- method - POST

7.1.3. Request Body

```
{
  // required
  "appId": "unique app identifier",
  // required
  "environment": "dev",
}
```

7.1.4. Response Body

7.1.4.1. Success

```
{
  "status": "ok",
  "appId": "unique app identifier",
  "environment": "dev",
  "default": "https", // can be "https" | "appapikey"
  "updatedBy": "user@example.com",
  "updatedWhen": "2012-12-04 12:00",
  "overrides": {
    "<endpoint name 1>": {
      "security" : "https", // can be "https" | "appapikey",
      "updatedBy": "user@example.com",
      "updatedWhen": "2012-12-04 12:00"
    },
    "<endpoint name 2>": {
      "security" : "https", // can be "https" | "appapikey",
      "updatedBy": "user@example.com",
      "updatedWhen": "2012-12-04 12:00"
    },
    // ...
    "<endpoint name n>": {
      "security" : "https", // can be "https" | "appapikey",
      "updatedBy": "user@example.com",
      "updatedWhen": "2012-12-04 12:00"
    }
  }
}
```

```
}  
}  
}
```

7.1.4.2. Error

```
{  
  "status": "error",  
  "message": "<error_message>"  
}
```

7.2. SETSECUREENDPOINT

7.2.1. Description

Set the endpoint security data for the specified app and runtime environment.

7.2.2. Endpoint

- uri - /box/srv/1.1/app/endpointsecurity/set
- method - POST

7.2.3. Request Body

```
{  
  // required  
  "appId": "unique app identifier",  
  // required  
  "environment": "dev",  
  // required  
  "default": "https", // can be "https" | "appapikey"  
  "overrides": {  
    "<endpoint name 1>": {  
      "security" : "https" // can be "https" | "appapikey"  
    },  
    "<endpoint name 2>": {  
      "security" : "https" // can be "https" | "appapikey"  
    },  
    // ...  
    "<endpoint name n>": {  
      "security" : "https" // can be "https" | "appapikey"  
    }  
  }  
}
```

7.2.4. Response Body

7.2.4.1. Success

```
{
  "status": "ok"
}
```

7.2.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

7.3. SETSECUREENDPOINTOVERRIDE

7.3.1. Description

Set the endpoint security data for the specified endpoints of an app and runtime environment. This does not change the default security setting for the app.

7.3.2. Endpoint

- uri - /box/srv/1.1/app/endpointsecurity/setOverride
- method - POST

7.3.3. Request Body

```
{
  // required
  "appId": "unique app identifier",
  // required
  "environment": "dev",
  // required
  "overrides": {
    "<endpoint name 1>": {
      "security" : "https" // can be "https" | "appapikey"
    },
    "<endpoint name 2>": {
      "security" : "https" // can be "https" | "appapikey"
    },
    // ...
    "<endpoint name n>": {
      "security" : "https" // can be "https" | "appapikey"
    }
  }
}
```

7.3.4. Response Body

7.3.4.1. Success

```
{  
  "status": "ok"  
}
```

7.3.4.2. Error

```
{  
  "status": "error",  
  "message": "<error_message>"  
}
```

7.4. REMOVESECUREENDPOINTOVERRIDE

7.4.1. Description

Remove the endpoint security overrides for the specified endpoints of an app and runtime environment. This does not change the default security setting for the app.

7.4.2. Endpoint

- uri - /box/srv/1.1/app/endpointsecurity/removeOverride
- method - POST

7.4.3. Request Body

```
{  
  // required  
  "appId": "unique app identifier",  
  // required  
  "environment": "dev",  
  // required  
  "endpoint": "<endpoint name>"  
}
```

7.4.4. Response Body

7.4.4.1. Success

```
{  
  "status": "ok"  
}
```

7.4.4.2. Error

```
{  
  "status": "error",  
  "message": "<error_message>"  
}
```


7.5. SETDEFAULTSECUREENDPOINT

7.5.1. Description

Set the default endpoint security for the specified app and runtime environment.

7.5.2. Endpoint

- uri - /box/srv/1.1/app/endpointsecurity/setDefault
- method - POST

7.5.3. Request Body

```
{
  // required
  "appId": "unique app identifier",
  // required
  "environment": "dev",
  // required
  "default": "https" // can be "https" | "appapikey"
}
```

7.5.4. Response Body

7.5.4.1. Success

```
{
  "status": "ok"
}
```

7.5.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

7.6. AUDITLOG

7.6.1. Description

Get the Endpoint Security Audit Log data for the specified app and runtime environment.

An optional **filter** parameter can be specified to filter the returned audit log records by the following criteria:

- **endpoint**: the name of an endpoint
- **security**: can be **https** or **appapikey**

- **updatedBy**: a *userId*
- **event**: one of "Set App Security", "Add Endpoint", "Remove Endpoint"
- **limit**: number of records to return

7.6.2. Endpoint

- uri - /box/srv/1.1/app/endpointsecurity/auditLog
- method - POST

7.6.3. Request Body

```
{
  // required
  "appId": "unique app identifier",
  // required
  "environment": "dev",
  "filter": {
    "endpoint": "<endpoint>",
    "security": "<security>",
    "updatedBy": "<updatedBy>",
    "event": "<event>",
    "limit": "<num records>"
  }
}
```

7.6.4. Response Body

7.6.4.1. Success

```
{
  "list": [
    {
      "appId": "O_6sZAYZN403KsJtJ2-ssvAf",
      "endpoint": "getDemo",
      "environment": "dev",
      "event": "Add Endpoint",
      "security": "https",
      "updatedBy": "training@example.com",
      "updatedWhen": "Thu Dec 13 12:01:33 UTC 2012",
      "updatedWhenMillis": 1355400093157
    },
    {
      "appId": "O_6sZAYZN403KsJtJ2-ssvAf",
      "endpoint": "",
      "environment": "dev",
      "event": "Set App Security",
      "security": "appapikey",
      "updatedBy": "training@example.com",
      "updatedWhen": "Thu Dec 13 11:57:24 UTC 2012",
      "updatedWhenMillis": 1355399844528
    }
  ]
}
```

```
    ],  
    "status": "ok"  
}
```

7.6.4.2. Error

```
{  
  "status": "error",  
  "message": "<error_message>"  
}
```

CHAPTER 8. USER ROLES API

8.1. LIST USER'S ROLES

8.1.1. Description

List currently logged in user's roles.

8.1.2. Endpoint

- uri - /box/srv/1.1/admin/role/list
- method - POST

8.1.3. Request Body

```
{}
```

8.1.4. Response Body

8.1.4.1. Success

```
{  
  "status": "ok",  
  "list": ["sub", "dev"]  
}
```

8.1.4.2. Error

```
{  
  "status": "error",  
  "message": "<error_message>"  
}
```

8.2. LIST USER'S ASSIGNABLE ROLES

8.2.1. Description

List currently logged in user's assignable roles, that is, roles that this user can assign to others.

8.2.2. Endpoint

- uri - /box/srv/1.1/admin/role/listAssignable
- method - POST

8.2.3. Request Body

```
{}
```

■

8.2.4. Response Body

8.2.4.1. Success

```
{  
  "status": "ok",  
  "list": ["sub", "dev", "devadmin", "analytics", "portaladmin"]  
}
```

8.2.4.2. Error

```
{  
  "status": "error",  
  "message": "<error_message>"  
}
```

CHAPTER 9. TEAMS ADMINISTRATION API

The Team Administration API allows Users with the required Permissions to manage teams at different levels of the Platform.

9.1. REQUIREMENTS

To be able to administer teams the user must authenticate to the specific domain, either by logging in and using the returned cookie, or by using an API key located in the **API Key Management** section of the User Profile in Studio.

In addition, the logged in user must be a Member of a Team(s) with the following permissions:

- Reseller
 - Administrator (View & Edit)

OR

- Customer
 - Administrator (View & Edit)

OR

- Domain
 - Administrator (View & Edit)

9.2. LIST TEAMS

9.2.1. Description

Lists the Teams available to the User based on the Permissions assigned to the Teams that the User is a Member of.

9.2.2. JSON Team Definition

The following JSON Object is the JSON definition of a Team referred to in the response bodies in the Teams Administration Platform API.

```
{
  //Team Identifier
  "_id": "teamid1234",
  //The Business Objects that the Team has access to at different levels
  of the
  //Platform.
  "business-objects": {
    "cluster": [
      "<Cluster Name>"
    ],
    "cluster/reseller": [
      "<Reseller Id>"
    ],
    "cluster/reseller/customer": [
```

```

        "<Customer Id>"
    ],
    },
    //Array Of Users IDs Assigned to the Team.
    "users": ["userid1234"],
    //Permissions assigned to the Team at Different Levels of the Platform
    "perms": {
        "cluster/reseller": "read"
        "cluster/reseller/customer": "write"
        "cluster/reseller/customer/domain": "read"
    },
    //Is this Team a Default Team or a User Created Team.
    "defaultTeam": true/false,
    //A User-defined description of a Team.
    "desc": "This is a Team.",
    //The Name of a Team.
    "name": "Team 1",
    //Timestamp of the last time the team was updated.
    "updated": "<1413466521479>",
    //A User-Defined code for the team.
    "code": "Team Code"
}

```

9.2.3. Endpoint

- URI: `/api/v2/admin/teams`
- Method: **GET**

9.2.4. Request Body

```
{}
```

9.2.5. Response Body

9.2.5.1. Success

```

// Array of JSON Objects Representing A Team
[
    "<JSON Team Definition>",
    "<JSON Team Definition>"
]

```

9.2.5.2. Error

```

{
    "error": {
        "error": "<Error Message>"
    }
}

```

9.3. LIST TEAMS FOR USER

9.3.1. Description

This endpoint lists the Teams that a User with ID **userId** is a Member of.

9.3.2. Endpoint

- URI: `/api/v2/admin/users/<userId>/teams`
- Method: **GET**

9.3.3. Request Body

```
{}
```

9.3.4. Response Body

9.3.4.1. Success

```
[  
  "<JSON Team Definition>"  
]
```

9.3.4.2. Error

```
{  
  "error": {  
    "error": "<Error Message>"  
  }  
}
```

9.4. VIEW TEAM DETAILS

9.4.1. Description

View the full JSON definition for a Team with ID **teamId**.

9.4.2. Endpoint

- URI: `/api/v2/admin/teams/<teamId>`
- Method: **GET**

9.4.3. Request Body

```
{}
```


9.4.4. Response Body

9.4.4.1. Success

```
{
  "<JSON Team Definition>"
}
```

9.4.4.2. Error

```
{
  "error": {
    "error": "<Error Message>"
  }
}
```

9.5. CREATE TEAM

9.5.1. Description

Create a new User-Defined Team.

9.5.2. Endpoint

- URI: `/api/v2/admin/teams`
- Method: **POST**

9.5.3. Request Body

```
{
  //A User-Defined name for the Team.
  "name": "User Team",
  //A User-Definied code for the Team.
  "code": "user-team",
  //A User-Definied description of the team.
  "desc": "A Team Created By A User",
  //Permissions Assigned to the Team at differnent levels of the
  Platform
  "perms": {
    "cluster": [
      "<Cluster Name>"
    ],
    "cluster/reseller": [
      "<Reseller Id>"
    ],
    "cluster/reseller/customer": [
      "<Customer Id>"
    ]
  },
  //User IDs of Users assigned to the Team.
  "users": [],
```

```
//IDs of Business Objects assigned to the Team at different levels of  
the Platform.  
"business-objects":{  
  "cluster/reseller": "read"  
}  
}
```

9.5.4. Response Body

9.5.4.1. Success

```
{  
  "<JSON Team Definition>"  
}
```

9.5.4.2. Error

```
{  
  "error": {  
    "error": "<Error Message>"  
  }  
}
```

9.6. REMOVE TEAM

9.6.1. Description

Remove a Team with ID **teamId**.

9.6.2. Endpoint

- URI: **/api/v2/admin/teams/<teamId>**
- Method: **DELETE**

9.6.3. Request Body

```
{}
```

9.6.4. Response Body

9.6.4.1. Success

```
{  
  "JSON Team Definition"  
}
```

9.6.4.2. Error

■

```
{  
  "error": "<Error Message>"  
}
```

9.7. ADD USER TO A TEAM

9.7.1. Description

Adding a user with ID **userId** to a Team with ID **teamId**

9.7.2. Endpoint

- URI: `/api/v2/admin/teams/<teamId>/user/<userId>`
- Method: **POST**

9.7.3. Request Body

```
{  
  "guid": "<userId>"  
}
```

9.7.4. Response Body

9.7.4.1. Success

```
{  
  "<JSON Team Definition>"  
}
```

9.7.4.2. Error

```
{  
  "error": "<Error Message>"  
}
```

9.8. REMOVE USER FROM A TEAM

9.8.1. Description

Removes a User with ID **userId** from a Team with ID **teamId**.

9.8.2. Endpoint

- URI: `/api/v2/admin/teams/<teamId>/user/<userId>`
- Method: **DELETE**

9.8.3. Request Body

```
{}
```

9.8.4. Response Body

9.8.4.1. Success

```
{  
  "<JSON Team Definition>"  
}
```

9.8.4.2. Error

```
{  
  "error": "<Error Message>"  
}
```

CHAPTER 10. USERS ADMINISTRATION API

10.1. REQUIREMENTS

The user must be a member of one or more teams with the following permissions:

- Reseller
 - Administration (View & Edit)

OR

- Customer
 - Administration (View & Edit)

For more information on Permissions, see [Teams & Collaborations](#).

10.2. CREATE USER

10.2.1. Description

Create a new user belonging to the specified customer.

10.2.2. Endpoint

- uri - /box/srv/1.1/admin/user/create
- method - POST

10.2.3. Request Body

```
{
  // required
  "username": "unique user identifier",
  // optional, default is a randomly generated password
  // Useful to leave as default if User is to be sent an activation email,
  // allowing them to set the password as required upon activation
  "password": "<password>",
  //optional
  "email": "<email>",
  //optional
  "name": "<name>",
  // optional, default is ""
  // comma separated list of roles to assign new user
  "roles": "<roles>",
  // optional, default is ""
  // comma separated list of Auth policy guids to assign new user
  "authpolicies": "<authpolicies>",
  // optional, default is false
  // whether or not an activation invite email should be sent to the user
  "invite": false
}
```

10.2.4. Response Body

10.2.4.1. Success

```
{
  "status": "ok",
  "username": "<user_name>"
}
```

10.2.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

10.3. UPDATE USER

10.3.1. Description

Update an existing user belonging to the specified customer.

10.3.2. Endpoint

- uri - /box/srv/1.1/admin/user/update
- method - POST

10.3.3. Request Body

```
{
  //required, and it can not be changed
  "username": "<unique user identifier>",
  // all fields are optional
  // email address of user to update
  "email": "<email>",
  "name": "<name>",
  "password": "<password>",
  //user won't be able to login if this is set to true
  "enabled": false,
  //if this is set to true, it will return a special flag next time the
  user logged in,
  //this flag can be used to delete application data on the device
  "blacklisted": false,
  // comma separated list of roles to set for this user for example, 'dev,
  analytics'
  "roles": "<roles>",
  // comma separated list of Auth policy guids to set for this user
  "authpolicies": "<authpolicies>"
}
```

10.3.4. Response Body

10.3.4.1. Success



NOTE

The **teams** field is only available if Teams is enabled on the Platform. To view the JSON Team Definition, click [here](#).

```
{
  "status": "ok",
  "fields": {
    "username": "<unique user identifier>",
    "email": "<email>",
    "name": "<name>",
    "enabled": false,
    "blacklisted": false,
    "roles": "<roles>",
    //An Array of JSON Team Definitions the User is a Member of.
    //Note: This is only included if Teams is enabled for the User.
    "teams": ["<JSON Team Definition>"]
  }
}
```

10.3.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

10.4. DELETE USER

10.4.1. Description

Delete a user. The user must not have any Apps, otherwise the deletion will fail.

10.4.2. Endpoint

- uri - /box/srv/1.1/admin/user/delete
- method - POST

10.4.3. Request Body

```
{
  // required
  // username of user to delete
  "username": "<unique user identifier>",
}
```

10.4.4. Response Body

10.4.4.1. Success

```
{
  "status": "ok",
  "fields": {
    "username": "<unique user identifier>",
    "email": "<email>",
    "name": "<name>",
    "enabled": false,
    "blacklisted": false,
    "roles": "<roles>",
    "authpolicies": "<authpolicies>"
  }
}
```

10.4.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

10.5. READ USER

10.5.1. Description

Read a user information based on the user name.

10.5.2. Endpoint

- uri - /box/srv/1.1/admin/user/read
- method - POST

10.5.3. Request Body

```
{
  // required
  // user name of the user to delete
  "username": "<unique user identifier>",
}
```

10.5.4. Response Body

```
{
  "status": "ok",
  "fields": {
    "username": "<unique user identifier>",
    "email": "<email>",
  }
}
```



```

    "name": "<name>",
    "enabled": false,
    "blacklisted": false,
    "roles": [<an array of role string>],
    "authpolicies": [<an array of Auth policy guids>],
    "lastLogin" : "<timestamp of last login>"
  }
}

```

10.5.4.1. Error

```

{
  "status": "error",
  "message": "<error_message>"
}

```

10.6. LIST USERS

10.6.1. Description

List users.

10.6.2. Endpoint

- uri - /box/srv/1.1/admin/user/list
- method - POST

10.6.3. Request Body

```

{}

```

10.6.4. Response Body

10.6.4.1. Success

```

{
  "status": "ok",
  "count": "<users total count>",
  "list": [{
    "fields": {
      "username": "<unique user identifier>",
      "email": "<email>",
      "name": "<name>",
      "enabled": false,
      "blacklisted": false,
      "authpolicies": [<an array of Auth policy guids>],
      "lastLogin" : "<timestamp of last login>"
    }
  }, ...]
}

```

10.6.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

10.7. ENABLE/DISABLE USER

10.7.1. Description

Enable/disable an existing user.

10.7.2. Endpoint

- uri - /box/srv/1.1/admin/user/update
- method - POST

10.7.3. Request Body

```
{
  // required
  // username of user to update
  "username": "<unique user identifier>",
  "enabled": true/false
}
```

10.7.4. Response Body

10.7.4.1. Success

```
{
  "status": "ok",
  "fields": {
    "username": "<unique user identifier>",
    "email": "<email>",
    "name": "<name>",
    "enabled": false,
    "blacklisted": false,
    "roles": [<an array of string>],
    "authpolicies": [<an array of Auth policy guids>]
  }
}
```

10.7.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

10.8. ADD/REMOVE ROLES

10.8.1. Description

Add new roles or remove existing roles of a user.

10.8.2. Endpoint

- uri - /box/srv/1.1/admin/user/update
- method - POST

10.8.3. Request Body

```
{
  // required
  // username of the user to update
  "username": "<unique user identifier>",
  // comma separated list of roles to set for this user for example, 'dev,
  analytics'
  "roles": "<roles>"
}
```

10.8.4. Response Body

10.8.4.1. Success

```
{
  "status": "ok",
  "fields": {
    "username": "<unique user identifier>",
    "email": "<email>",
    "name": "<name>",
    "enabled": false,
    "blacklisted": false,
    "roles": [<an array of string>],
    "authpolicies": [<an array of Auth policy guids>]
  }
}
```

10.8.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

10.9. ADD/REMOVE AUTH POLICIES

10.9.1. Description

Add new Auth policies to or remove existing Auth policies from a user.

10.9.2. Endpoint

- uri - /box/srv/1.1/admin/user/update
- method - POST

10.9.3. Request Body

```
{
  // required
  // username of the user to update
  "username": "<unique user identifier>",
  // comma separated list of Auth policy guids to set for this user
  "authpolicies": "<authpolicies>"
}
```

10.9.4. Response Body

10.9.4.1. Success

```
{
  "status": "ok",
  "fields": {
    "username": "<unique user identifier>",
    "email": "<email>",
    "name": "<name>",
    "enabled": false,
    "blacklisted": false,
    "roles": [<an array of string>],
    "authpolicies": [<an array of Auth policy guids>]
  }
}
```

10.9.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

10.10. LIST A USER'S DEVICES

10.10.1. Description

List a user's devices.

10.10.2. Endpoint

- uri - /box/srv/1.1/admin/user/listdevices

- method - POST

10.10.3. Request Body

```
{
  //required
  "username": "<unique user identifier>"
}
```

10.10.4. Response Body

10.10.4.1. Success

```
{
  "status" : "ok",
  "list" : [{
    "guid" : "<device guid>",
    "cuid" : "<device id>",
    "name" : "<device label>",
    "disabled" : "<is the device disabled>",
    "blacklisted" : "<is the device blacklisted>"
  }, ...]
}
```

10.10.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```

10.11. LIST A USER'S STORE ITEMS

10.11.1. Description

List a user's apps he/she has installed (But the app maybe deleted).

10.11.2. Endpoint

- uri - /box/srv/1.1/admin/user/liststoreitems
- method - POST

10.11.3. Request Body

```
{
  //required
  "username" : "<unique user identifier>"
}
```

10.11.4. Response Body

10.11.4.1. Success

```
{
  "status" : "ok",
  "list" : [{
    "guid" : "<app guid>",
    "name" : "<app name>",
    "description" : "<app description>"
  }, ...]
}
```

10.11.4.2. Error

```
{
  "status": "error",
  "message": "<error_message>"
}
```