

|  |  |
| --- | --- |
| RTV Oost | |
|  | |
| API for NRCS Integration |  |

|  |
| --- |
| Sony Ref: |
| 09 Jan 2017  Version |

Document History

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Reason | Author |
| 1 | 09/01/2017 | Draft NRCS API information release | Liu Fan |

Confidentiality and Purpose

This document and any attachments have been prepared for the sole use of RTV Oost. The contents are confidential and must not be communicated in whole or part to any other party without the prior written approval of Sony.

This document is provided to RTV Oost for information only. Nothing in this document or in related discussions or correspondence shall be construed as the basis of any contract.

Errors and omissions excepted.

© 2017 . All rights reserved.

*Sony Europe Limited is an ultimate subsidiary of Sony Corporation in Japan.*

*Where there is a branch office, this office is registered as a permanent establishment of Sony Europe Limited.*

*Sony Europe Limited is a company incorporated and registered in England and Wales. However Sony Europe Limited operates as a pan-European business that is set up to sell to its customers via a local branch network throughout Europe. A branch of Sony Europe Limited**may administer any transactions between you and Sony Europe Limited, including the provision of invoices. Any business transaction~~s~~ would be subject to local country taxes applicable to the country in which this branch office is situated.*

Introduction

RTV Oost has its own newsroom computer system (NRCS) which is in constant use. Tight communication between the NRCS and Hive will be required to allow transfer of clip details, rundown information, etc. As agreed between RTV Oost and Sony, RTV Oost will undertake development work on its NRCS to integrate with Hive through the Hive RESTful API, rather than using MOS which is a standard already supported by Hive.

Amongst others, the Hive API will provide these functions:

* Request 1: All the clips in Hive can be seen by the NRCS system
* Request 2: Using the clip path information, the NRCS can open the clip for previewing
* Request 3: Rundowns created in the NRCS system can be synchronized to Hive as Playlists
* Request 4: Playlist status can be synchronized back to NRCS

This documentation is the Hive API relating to those functions required for news operations.

Sony will further provide RTV Oost’s developers with email access to the Hive development team, to deal with questions about the API documentation and the implementation of the NRCS interface to Hive.

Should your developers need deeper assistance, we can provide the services of a suitable technical consultant, charged out on a daily basis.

Note about this information release

The information in this document is an extract of the full API documentation applying to Media Backbone Hive. This extract covers the functions typically used for communication with a newsroom computer system.

Development of the API is ongoing. Sony advises RTV Oost that minor changes to the structure of the API calls, the responses, etc may occur in the coming months. We will advise you if any change is expected to affect your NRCS integration development.

API Specification

API list which will provide to RTVOost for the Integration with NRCS system

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ID | Method | URI | Supporter | Comment | Customer Request |
| 1 | POST | /basic/account/login | Open Interface(Material) | Login |  |
| 2 | POST | /basic/account/logout | Open Interface(Material) | Logout |  |
| 3 | POST | /basic/account/heartbeat | Open Interface(Material) | Heartbeat |  |
| 4 | GET | /entity/folder/getsimplefolderinfo | Open Interface(Material) | Get folder information | Req1 |
| 5 | GET | /entity/object/getchildobjects | Open Interface(Material) | Get the subfolderand clip information | Req1 |
| 6 | GET | /entity/object/getobjectinfo | Open Interface(Material) | Get detailed clip information | Req2 |
| 7 | POST | /entity/search/fulltextsearch | Open Interface(Material) | Fulltext search | Req1 |
| 8 | POST | /entity/object/fulltextadvancesearch | Open Interface(Material) | Advanced search | Req1 |
| 9 | POST | /studio/rundown | Open Interface(Studio) | create rundown | Req3 |
| 10 | PUT | /studio/rundown/{rundownid} | Open Interface(Studio) | Update rundown | Req3 |
| 11 | DELETE | /studio/rundown/{rundownid} | Open Interface(Studio) | delete rundown | Req3 |
| 12 | POST | /studio/story | Open Interface(Studio) | insert story | Req3 |
| 13 | PUT | /studio/story/{storyid} | Open Interface(Studio) | update story | Req3 |
| 14 | DELETE | /studio/story/{storyid} | Open Interface(Studio) | delete story | Req3 |
| 15 | POST | /studio/statusnotify | Open Interface(Studio) | Register notify | Req4 |
| 16 | DELETE | /studio/statusnotify | Open Interface(Studio) | Unregister notify | Req4 |

**HTTP Headers Public Parameter**

| **Parameter** | **Meaning** | **Type** | **Description** |
| --- | --- | --- | --- |
| sobeyhive-http-system | System identification | string | The value should be configured in our system |
| sobeyhive-http-tool | Tool identification | string | The value should be configured in our system |
| sobeyhive-http-site | Site identification | string | Default value is S1 |
| sobeyhive-http-token | User token identification | string | The user token could be got from login interface. |

Basic Communication

1. **User Login.**

API-URL：

**POST**       /basic/account/login

***Request Sample:***

1. POST /basic/account/login HTTP/1.1
2. Host: localhost:8080
3. sobeyhive-http-system: Nebula
4. sobeyhive-http-site: S1
5. sobeyhive-http-tool: Upload
6. Content-Type: application/json
7. {
8. LOGINNAME:"admin",
9. LOGINPWD:"21232f297a57a5a743894a0e4a801fc3",
10. LOGINSUBSYSTEM:"sys",
11. LOGINIP:"127.0.0.1"
12. }

***Response Sample:***

1. HTTP/1.1 201 OK
2. Date: Wed, 01 Mar 2006 12:00:00 GMT
3. Content-Length: 0
4. Content-Type: application/json
5. Connection: close
6. {
7. "code": "0",
8. "msg": "Login succeed",
9. "ext": {
10. "userid": 1,
11. "usercode": "admin",
12. "logininfoid": 8364,
13. "loginsubsystem": "sys",
14. "logintime": "2016-04-15 13:41:45",
15. "loginip": "127.0.0.1",
16. "newrefreshtime": "2016-04-15 13:41:45",
17. "usertoken": "308cf1eef28717c3be0f4a5e4f2ae67b",
18. "loginname": "admin",
19. "pwdchangetime": "2016-02-18 12:15:19",
20. "organizations": [
21. {
22. "id": 4,
23. "operate": 0,
24. "organizationcode": "7d03f78549134d5e854fca0a2c4fcf82",
25. "organizationname": "Department X",
26. "parentid": 1,
27. "sitecode": "S1",
28. "sitename": "Initialize site "
29. }
30. ]
31. }
32. }

Return code:

| **Code** | **Description** | **Type** |
| --- | --- | --- |
| 10002 | invalid user or password | int |
| 10003 | login exception | int |
| 10004 | this user is locked | int |
| 10005 | database operation failure | int |
| 10006 | internal error | int |
| 10007 | already logged in | int |
| 0 | success | int |

1. **User logout**

API-URL：

**POST**       basic/account/logout

**Parameter:**

| **Field** | **Type** | **Description** | **Mandatory?** |
| --- | --- | --- | --- |
| loginInfoID | int | Login info id | Required |

***Request Sample:***

1. POST basic/account/logout HTTP/1.1
2. Host: localhost:8080
3. sobeyhive-http-system: Nebula
4. sobeyhive-http-site: S1
5. Content-Type: application/json
6. sobeyhive-http-token: SjUAxwMUwkpuY+CNt1daEMoVAVE=
7. sobeyhive-http-tool: Upload
8. {
9. "logininfoid": 8364,
10. }

***Response Sample:***

1. HTTP/1.1 201 OK
2. Date: Wed, 01 Mar 2006 12:00:00 GMT
3. Content-Length: 0
4. Content-Type: application/json
5. Connection: close
6. {
7. "code": "0",
8. "msg": "Logout succeed"
9. }

Return code:

| **Code** | **Description** | **Type** |
| --- | --- | --- |
| 10008 | logout failure | int |
| 0 | success | int |

1. **Heartbeat**

API-URL：

**POST**      /basic/account/heartbeat

| **Field** | **Description** | **Type** | **Mandatory?** |
| --- | --- | --- | --- |
| loginInfoID | Login info id | int | Required |

***Request Sample:***

1. POST /CMApi/api/basic/account/heatbeat HTTP/1.1
2. Host: localhost:8080
3. sobeyhive-http-system: Nebula
4. sobeyhive-http-site: S1
5. sobeyhive-http-tool: Upload
6. Content-Type: application/json
7. {
8. "logininfoid": 8364,
9. }

***Response Sample:***

1. HTTP/1.1 201 OK
2. Date: Wed, 01 Mar 2006 12:00:00 GMT
3. Content-Length: 0
4. Content-Type: application/json
5. Connection: close
6. {
7. "code": "0",
8. "msg": "Login status update succeed"
9. }

Return code:

| **Code** | **Description** | **Type** |
| --- | --- | --- |
| 10009 | Heartbeat is not accepted. | int |
| 0 | success | int |

Material Information

1. **Get subfolder information**

The root path of our system is global\_sobey\_defaultclass/MaterialList.

API-URL：

**GET**       /entity/folder/getsimplefolderinfo

| **Field** | **Description** | **Type** | **Mandatory?** |
| --- | --- | --- | --- |
| usertoken | User Token | string | Required |
| path | Inquiry path | string | Required |
| issubfolder | Whether Inquiry sub path（0: only current path，1: current path and sub path） | long | No（Default is: 0） |
| pathtype | Type of path information return to 3rd party（http,windows,unc） | string | No(Default is: UNC) |

***Request Sample:***

1. GET CMApi/api/entity/folder/getsimplefolderinfo?usertoken=a3cfda0cdba2148f0f7aece8b73ad5a9&path=global\_sobey\_defaultclass/MaterialList
2. Host: localhost:8080
3. sobeyhive-http-system: Nebula
4. sobeyhive-http-site: S1
5. Content-Type: application/json
6. sobeyhive-http-token: SjUAxwMUwkpuY+CNt1daEMoVAVE=
7. sobeyhive-http-tool: Upload

***Response Sample:***

1. HTTP/1.1 200 OK
2. Date: Wed, 01 Mar 2006 12:00:00 GMT
3. Content-Length: 0
4. Content-Type: application/json
5. Connection: close
6. {
7. "code": "0",
8. "ext": [
9. {
10. "entity": {
11. "privilege": "public\_S1",
12. "id": 1,
13. "guid": "dd65d862701442bb9f5a7af921367eb6",
14. "name": "Public Material",
15. "type": 16,
16. "subtype": 1,
17. "folderpath": "global\_sobey\_defaultclass/MaterialList",
18. "cdid": "",
19. "creator": "admin",
20. "createdate": "2016-07-13 18:21:56",
21. "rights": "",
22. "journallist": "",
23. "note": ""
24. },
25. "fileformatinfo": {
26. "video": [],
27. "audio": []
28. }
29. },
30. {
31. "entity": {
32. "privilege": "public\_S1",
33. "id": 88926,
34. "guid": "748ad55686054a54b554dd17496e8cdd",
35. "name": "global\_sobey\_column",
36. "type": 16,
37. "folderpath": "global\_sobey\_defaultclass/MaterialList",
38. "cdid": "",
39. "creator": "admin",
40. "modifier": "admin",
41. "createdate": "2016-09-20 15:22:33",
42. "modifydate": "2016-09-20 15:22:33",
43. "rights": "",
44. "journallist": "",
45. "note": ""
46. },
47. "fileformatinfo": {
48. "video": [],
49. "audio": []
50. }
51. }
52. ]
53. }

Return code:

| **Code** | **Description** | **Type** |
| --- | --- | --- |
| 10010 | invalid parameter | int |
| 10011 | internal exception | int |
| 10012 | querying error | int |
| 10013 | data converting error | int |
| 10015 | folder info querying error | int |
| 0 | success | int |

1. **Get subfolder and clip information**

API-URL：

**GET**       /CMApi/api/entity/object/getchildobjects

Parameter

| **Field** | **Description** | **Type** | **Mandatory?** |
| --- | --- | --- | --- |
| usertoken | User Token | string | Required |
| path | Inquiry path | string | Required |
| issubfolder | Whether Inquiry sub path（0: only current path，1: current path and sub path） | long | No（Default is: 0） |
| pathtype | Type of path information return to 3rd party（http,windows,unc） | string | No(Default is: UNC) |

***Request Sample:***

1. GET /CMApi/api/entity/object/getchildobjects?usertoken=a3cfda0cdba2148f0f7aece8b73ad5a9&path=global\_sobey\_defaultclass/MaterialList
2. Host: localhost:8080
3. sobeyhive-http-system: Nebula
4. sobeyhive-http-site: S1
5. Content-Type: application/json
6. sobeyhive-http-token: SjUAxwMUwkpuY+CNt1daEMoVAVE=
7. sobeyhive-http-tool: Upload

***Response Sample:***

1. HTTP/1.1 200 OK
2. Date: Wed, 01 Mar 2006 12:00:00 GMT
3. Content-Length: 0
4. Content-Type: application/json
5. Connection: close
6. {
7. "code": "0",
8. "ext": [
9. {
10. "entity": {
11. "privilege": "public\_S1",
12. "id": 1,
13. "guid": "dd65d862701442bb9f5a7af921367eb6",
14. "name": "Public Material",
15. "type": 16,
16. "subtype": 1,
17. "folderpath": "global\_sobey\_defaultclass/MaterialList",
18. "cdid": "",
19. "creator": "admin",
20. "createdate": "2016-07-13 18:21:56",
21. "rights": "",
22. "journallist": "",
23. "note": ""
24. },
25. "fileformatinfo": {
26. "video": [],
27. "audio": []
28. }
29. },
30. {
31. "entity": {
32. "privilege": "public\_S1",
33. "id": 88926,
34. "guid": "748ad55686054a54b554dd17496e8cdd",
35. "name": "global\_sobey\_column",
36. "type": 16,
37. "folderpath": "global\_sobey\_defaultclass/MaterialList",
38. "cdid": "",
39. "creator": "admin",
40. "modifier": "admin",
41. "createdate": "2016-09-20 15:22:33",
42. "modifydate": "2016-09-20 15:22:33",
43. "rights": "",
44. "journallist": "",
45. "note": ""
46. },
47. "fileformatinfo": {
48. "video": [],
49. "audio": []
50. }
51. }
52. ]
53. }

Return code:

| **Code** | **Description** | **Type** |
| --- | --- | --- |
| 10010 | invalid parameter | int |
| 10011 | internal exception | int |
| 10012 | querying error | int |
| 10013 | data converting error | int |
| 0 | success | int |

1. **Get detailed clip information**

API-URL：

**GET**       /CMApi/api/entity/object/getobjectinfo

Parameter：

| **Field** | **Description** | **Type** | **Mandatory?** |
| --- | --- | --- | --- |
| usertoken | User token | string | Required |
| path | Inquiry path | string | Required |
| objecttype | Inquiry type（16: folder，32: clip） | long | Required |
| pathtype | Type of path information return to 3rd party（http,windows,unc） | string | No(Default is UNC) |

***Request Sample:***

1. GET /CMApi/api/entity/object/getobjectinfo?usertoken=a3cfda0cdba2148f0f7aece8b73ad5a9&contentid=57c167cbf6624806988273dc98031841&objecttype=32
2. Host: localhost:8080
3. sobeyhive-http-system: Nebula
4. sobeyhive-http-site: S1
5. Content-Type: application/json
6. sobeyhive-http-token: SjUAxwMUwkpuY+CNt1daEMoVAVE=
7. sobeyhive-http-tool: Upload

***Response Sample:***

1. HTTP/1.1 200 OK
2. Date: Wed, 01 Mar 2006 12:00:00 GMT
3. Content-Length: 0
4. Content-Type: application/json
5. Connection: close
6. {
7. "code": "0",
8. "msg": "success",
9. "ext": {
10. "entity": {
11. "highgroupstatus": "ready",
12. "privilege": "public\_S1",
13. "privilegeGroup": [],
14. "deleteflag": 0,
15. "id": 90267,
16. "guid": "8e9725f423e84fb09238b09867237275",
17. "name": "00000",
18. "type": 32,
19. "subtype": 2048,
20. "folderid": 85710,
21. "folderpath": "global\_sobey\_defaultclass/MaterialList/Public Material/njg",
22. "cdid": "0",
23. "keyword": "",
24. "iconframe": 0,
25. "iconfilename": "\\\\172.16.168.202\\hivefiles\\sobeyhive\\bucket-k\\normalclip\\20160920\\191436\_8e9725f423e84fb09238b09867237275\_icon\_f0.bmp",
26. "creator": "c5fe36f934ed4a30b10c15fee5b854cf",
27. "modifier": "c5fe36f934ed4a30b10c15fee5b854cf",
28. "createdate": "2016-09-20 19:14:40",
29. "modifydate": "2016-09-20 19:15:28",
30. "accessdate": "2016-09-20 19:14:50",
31. "status": 0,
32. "usedflag": 0,
33. "rights": "",
34. "journallist": "",
35. "note": "",
36. "editterminal": "",
37. "modifyterminal": "lichan-PC",
38. "deviceid": "00000000000000000000000000000000",
39. "markin": -1,
40. "markout": -1,
41. "mosid": "",
42. "item": {
43. "trimin": 0,
44. "trimout": 41600000,
45. "length": 41600000,
46. "archiveuser": "",
47. "archivedate": "1899-12-30 00:00:00",
48. "videostandard": 65536,
49. "filestatus": 65,
50. "mediachannel": "VAAAAAA ",
51. "capturestatus": 0,
52. "imagetype": 4,
53. "tobearchivestate": 0,
54. "clipsource": 0,
55. "signalsourcedesc": "",
56. "signalsourcemark": "",
57. "vtrin": 0,
58. "vtrout": 0,
59. "vtrinext": 0,
60. "vtroutext": 0,
61. "storagecode": "",
62. "keepdays": 0,
63. "ingesttaskid": 0,
64. "planningguid": "00000000000000000000000000000000",
65. "tc": "",
66. "version": 0,
67. "language": "",
68. "serialdata": "",
69. "serialdatasize": 0,
70. "srcpgm": "882507fd4a75443aa2fc5cdd91a9d36a",
71. "itemname": "000",
72. "category": "",
73. "programname": "",
74. "restrictviewcontent": "0",
75. "adaptetype": 0,
76. "showmode": 0,
77. "clipfile": [
78. {
79. "qualitytype": 0,
80. "clipclass": 1,
81. "clipin": 0,
82. "clipout": 41600000,
83. "filein": 0,
84. "fileout": 41600000,
85. "length": 41600000,
86. "mediachannel": 1,
87. "filename": "\\\\172.16.168.202\\hivefiles\\sobeyhive\\bucket-z\\high-res\\2016-09-20\\0000\\High\\Video\\8e9725f4-23e8-4fb0-9238-b09867237275\_0\_103\_high.avi",
88. "filesize": 5986304,
89. "filestatus": 0,
90. "formatid": 24733,
91. "createtime": "1899-12-30 00:00:00",
92. "strfileguid": "11337a4df25c39fac38bae78b584bfa8"
93. },
94. {
95. "qualitytype": 0,
96. "clipclass": 2,
97. "clipin": 0,
98. "clipout": 41600000,
99. "filein": 0,
100. "fileout": 41600000,
101. "length": 41600000,
102. "mediachannel": 2,
103. "filename": "\\\\172.16.168.202\\hivefiles\\sobeyhive\\bucket-z\\high-res\\2016-09-20\\0000\\High\\Audio\\8e9725f4-23e8-4fb0-9238-b09867237275\_0\_103\_high\_a1.wav",
104. "filesize": 404480,
105. "filestatus": 0,
106. "formatid": 394,
107. "createtime": "1899-12-30 00:00:00",
108. "strfileguid": "6c5407d5f417fcf20e4fea50349573a2"
109. },
110. {
111. "qualitytype": 0,
112. "clipclass": 4,
113. "clipin": 0,
114. "clipout": 41600000,
115. "filein": 0,
116. "fileout": 41600000,
117. "length": 41600000,
118. "mediachannel": 2,
119. "filename": "\\\\172.16.168.202\\hivefiles\\sobeyhive\\bucket-z\\high-res\\2016-09-20\\0000\\High\\Audio\\8e9725f4-23e8-4fb0-9238-b09867237275\_0\_103\_high\_a2.wav",
120. "filesize": 404480,
121. "filestatus": 0,
122. "formatid": 394,
123. "createtime": "1899-12-30 00:00:00",
124. "strfileguid": "1f15a682f7ba31d91060f010aecde645"
125. },
126. {
127. "qualitytype": 0,
128. "clipclass": 8,
129. "clipin": 0,
130. "clipout": 41600000,
131. "filein": 0,
132. "fileout": 41600000,
133. "length": 41600000,
134. "mediachannel": 2,
135. "filename": "\\\\172.16.168.202\\hivefiles\\sobeyhive\\bucket-z\\high-res\\2016-09-20\\0000\\High\\Audio\\8e9725f4-23e8-4fb0-9238-b09867237275\_0\_103\_high\_a3.wav",
136. "filesize": 404480,
137. "filestatus": 0,
138. "formatid": 394,
139. "createtime": "1899-12-30 00:00:00",
140. "strfileguid": "fa87ec1902d51e83a3dc6437be2c246a"
141. },
142. {
143. "qualitytype": 0,
144. "clipclass": 16,
145. "clipin": 0,
146. "clipout": 41600000,
147. "filein": 0,
148. "fileout": 41600000,
149. "length": 41600000,
150. "mediachannel": 2,
151. "filename": "\\\\172.16.168.202\\hivefiles\\sobeyhive\\bucket-z\\high-res\\2016-09-20\\0000\\High\\Audio\\8e9725f4-23e8-4fb0-9238-b09867237275\_0\_103\_high\_a4.wav",
152. "filesize": 404480,
153. "filestatus": 0,
154. "formatid": 394,
155. "createtime": "1899-12-30 00:00:00",
156. "strfileguid": "96f135fc2c24199e8c1bdf98784ef3ee"
157. },
158. {
159. "qualitytype": 0,
160. "clipclass": 32,
161. "clipin": 0,
162. "clipout": 41600000,
163. "filein": 0,
164. "fileout": 41600000,
165. "length": 41600000,
166. "mediachannel": 2,
167. "filename": "\\\\172.16.168.202\\hivefiles\\sobeyhive\\bucket-z\\high-res\\2016-09-20\\0000\\High\\Audio\\8e9725f4-23e8-4fb0-9238-b09867237275\_0\_103\_high\_a5.wav",
168. "filesize": 404480,
169. "filestatus": 0,
170. "formatid": 394,
171. "createtime": "1899-12-30 00:00:00",
172. "strfileguid": "0edec3520f81ab77ff9f55b3eca1e74c"
173. },
174. {
175. "qualitytype": 0,
176. "clipclass": 64,
177. "clipin": 0,
178. "clipout": 41600000,
179. "filein": 0,
180. "fileout": 41600000,
181. "length": 41600000,
182. "mediachannel": 2,
183. "filename": "\\\\172.16.168.202\\hivefiles\\sobeyhive\\bucket-z\\high-res\\2016-09-20\\0000\\High\\Audio\\8e9725f4-23e8-4fb0-9238-b09867237275\_0\_103\_high\_a6.wav",
184. "filesize": 404480,
185. "filestatus": 0,
186. "formatid": 394,
187. "createtime": "1899-12-30 00:00:00",
188. "strfileguid": "fed9d6741e14cf4f34085747ecfdc765"
189. },
190. {
191. "qualitytype": 0,
192. "clipclass": 2097152,
193. "clipin": 0,
194. "clipout": 41600000,
195. "filein": 0,
196. "fileout": 41600000,
197. "length": 41600000,
198. "mediachannel": 2097152,
199. "filename": "\\\\172.16.168.202\\hivefiles\\sobeyhive\\bucket-z\\high-res\\2016-09-20\\0000\\High\\Video\\8e9725f4-23e8-4fb0-9238-b09867237275\_0\_103\_high.avi.otc",
200. "filesize": 36,
201. "filestatus": 0,
202. "formatid": 0,
203. "createtime": "1899-12-30 00:00:00",
204. "strfileguid": "09843f600642a6788eb302dcb9361d50"
205. }
206. ],
207. "markpoints": [],
208. "archiveflag": 0,
209. "dbestreamchannel": 0,
210. "ntsctcmode": 1,
211. "storyid": "",
212. "signalsourcetype": 0,
213. "newstime": "2016-09-20 19:14:19",
214. "newsplace": "",
215. "newspeople": "",
216. "newsevent": ""
217. }
218. },
219. "metadata": {
220. "planning": {
221. "guid": "00000000000000000000000000000000",
222. "name": "",
223. "creator": "",
224. "createdate": "1899-12-30 00:00:00",
225. "modify": "",
226. "modifydate": "1899-12-30 00:00:00",
227. "version": 0,
228. "place": "",
229. "planningdate": "1899-12-30 00:00:00",
230. "director": "",
231. "photograper": "",
232. "reporter": "",
233. "other": "",
234. "eqipment": "",
235. "contaction": "",
236. "planningxml": "",
237. "userxml": "",
238. "inputsource": "",
239. "startdate": "2016-08-18 19:39:48",
240. "durdate": "1899-12-30 00:00:00",
241. "sourcetype": "SDI",
242. "ingestextendxml": ""
243. },
244. "ingesttask": {
245. "process": 0
246. },
247. "original": {
248. "basicumid": "",
249. "maintitle": "",
250. "usermediaid": "",
251. "description": "",
252. "cliptitle": "",
253. "videoformat": "",
254. "audioformat": "LPCM",
255. "comments": "",
256. "status": "",
257. "duration": 0,
258. "stc": 0,
259. "creatorname": "",
260. "createdate": "2010-02-01 20:36:48",
261. "umid": ""
262. }
263. },
264. "fileformatinfo": {
265. "video": [],
266. "audio": []
267. }
268. }
269. }

Return code:

| **Code** | **Description** | **Type** |
| --- | --- | --- |
| 10010 | invalid parameter | int |
| 10011 | internal exception | int |
| 10012 | querying error | int |
| 10013 | data converting error | int |
| 10014 | entity does not exist | int |
| 0 | success | int |

1. **Fulltext search**

API-URL：

**POST**       /CMApi/api/entity/search/fulltextsearchnew

Parameter

| **Field** | **Description** | **Type** | **Mandatory?** |
| --- | --- | --- | --- |
| usertoken | User Token | string | Required |
| pathtype | Type of path information return to 3rd party（http,windows,unc） | string | No(Default is UNC) |

Body parameter:

| **Field** | **Description** | **Type** | **Mandatory?** |
| --- | --- | --- | --- |
| kvs | Search condition group | Kvs[] | Required |
| page | Page numbers | int | No |
| size | Page size | int | No |
| searchtext | Search condition（Support（- is “not”），（Space is “and”），（| is “or”）） | string | Required |

1. //Sort condition group
2. Kvs{
3. string key//Query field
4. string value//value of field
5. }

***Request Sample:***

1. POST /CMApi/api/entity/search/fulltextsearchnew?usertoken=a931b708cc6aee660aa6ffcaf5f0cfc0&pathtype=http
2. Host: localhost:8080
3. sobeyhive-http-system: Nebula
4. sobeyhive-http-site: S1
5. Content-Type: application/json
6. sobeyhive-http-token: SjUAxwMUwkpuY+CNt1daEMoVAVE=
7. sobeyhive-http-tool: Upload
8. {
9. "kvs": [
10. {
11. "key": "tree\_path\_",
12. "value": "global\_sobey\_defaultclass/MaterialList/Public Material/hexue"
13. },
14. {
15. "key": "type\_",
16. "value": ""
17. }
18. ],
19. "page": 1,
20. "searchtext": "Lotus |hx",
21. "size": 2147483647
22. }

***Response Sample:***

1. HTTP/1.1 201 OK
2. Date: Wed, 01 Mar 2006 12:00:00 GMT
3. Content-Length: 0
4. Content-Type: application/json
5. Connection: close
6. {
7. "code": "0",
8. "ext": [
9. {
10. "entity": {
11. "privilege": "public\_S1",
12. "deleteflag": 0,
13. "id": 97092,
14. "guid": "55453d52213d47238511385e9ed472ba",
15. "name": "Lotus",
16. "type": 32,
17. "subtype": 1,
18. "folderid": 93165,
19. "folderpath": "global\_sobey\_defaultclass/MaterialList/Public Material/hexue",
20. "cdid": "0",
21. "keyword": "",
22. "iconframe": 0,
23. "iconfilename": "http://172.16.168.205:86/bucket-k/normalclip/20160925/150445\_55453d52213d47238511385e9ed472ba\_icon\_f0.bmp",
24. "creator": "c5fe36f934ed4a30b10c15fee5b854cf",
25. "modifier": "c5fe36f934ed4a30b10c15fee5b854cf",
26. "createdate": "2016-09-25 15:05:13",
27. "modifydate": "2016-09-25 15:06:16",
28. "accessdate": "2016-09-25 15:04:52",
29. "rights": "",
30. "journallist": "",
31. "note": "",
32. "editterminal": "",
33. "modifyterminal": "lichan-PC",
34. "deviceid": "00000000000000000000000000000000",
35. "mosid": "",
36. "item": {
37. "trimin": 0,
38. "trimout": 98000000,
39. "length": 98000000,
40. "archiveuser": "",
41. "archivedate": "1899-12-30 00:00:00",
42. "videostandard": 16,
43. "filestatus": 581,
44. "mediachannel": "VAA",
45. "capturestatus": 0,
46. "imagetype": 4,
47. "tobearchivestate": 0,
48. "clipsource": 0,
49. "version": 1546426439390199808,
50. "itemname": "",
51. "category": "",
52. "programname": "",
53. "clipfile": [],
54. "archiveflag": 0,
55. "dbestreamchannel": 0,
56. "ntsctcmode": 1,
57. "storyid": "",
58. "signalsourcetype": 0
59. }
60. },
61. "metadata": {
62. "ingesttask": {
63. "process": 0,
64. "sourcetapeid": "",
65. "backtapid": "",
66. "sourcetapebarcode": ""
67. }
68. },
69. "fileformatinfo": {}
70. },
71. {
72. "entity": {
73. "privilege": "public\_S1",
74. "deleteflag": 0,
75. "id": 95584,
76. "guid": "7ce078b3854f448ebdafc540be35d4a6",
77. "name": "hx",
78. "type": 32,
79. "subtype": 1,
80. "folderid": 93710,
81. "folderpath": "global\_sobey\_defaultclass/MaterialList/Public Material/hexue/1440-5994-\_ImportClip\_20160922165222",
82. "cdid": "0",
83. "keyword": "",
84. "iconframe": 0,
85. "iconfilename": "http://172.16.168.205:86/bucket-k/keyframes/biz\_sobey\_video/2016/09/23/f4877267522782ff51c60c83c85775b5\_320\_180\_0.jpg",
86. "creator": "c5fe36f934ed4a30b10c15fee5b854cf",
87. "modifier": "c5fe36f934ed4a30b10c15fee5b854cf",
88. "createdate": "2016-09-23 10:20:18",
89. "modifydate": "2016-09-23 10:22:51",
90. "accessdate": "2016-09-23 10:22:09",
91. "status": 0,
92. "rights": "",
93. "journallist": "",
94. "note": "",
95. "editterminal": "",
96. "modifyterminal": "lichan-PC",
97. "deviceid": "00000000000000000000000000000000",
98. "mosid": "",
99. "item": {
100. "trimin": 0,
101. "trimout": 300000000,
102. "length": 300000000,
103. "archiveuser": "",
104. "archivedate": "1899-12-30 00:00:00",
105. "videostandard": 1094783106,
106. "filestatus": 65,
107. "mediachannel": "VAAAAAAAA",
108. "capturestatus": 0,
109. "imagetype": 0,
110. "tobearchivestate": 0,
111. "clipsource": 0,
112. "version": 1546227414819930112,
113. "itemname": "hx",
114. "category": "",
115. "programname": "",
116. "clipfile": [],
117. "archiveflag": 0,
118. "dbestreamchannel": 0,
119. "ntsctcmode": 0,
120. "storyid": "",
121. "signalsourcetype": 0
122. }
123. },
124. "metadata": {
125. "ingesttask": {
126. "process": 0,
127. "sourcetapeid": "",
128. "backtapid": "",
129. "sourcetapebarcode": ""
130. }
131. },
132. "fileformatinfo": {}
133. }]
134. }

Return code:

| **Code** | **Description** | **Type** |
| --- | --- | --- |
| 10010 | invalid parameter | int |
| 10011 | internal exception | int |
| 10012 | querying error | int |
| 10013 | data converting error | int |
| 10014 | entity does not exist | int |
| 0 | success | int |

1. **Advanced Search**

API-URL：

**POST**       /CMApi/api/entity/object/fulltextadvancesearch

Parameter:

| **Field** | **Description** | **Type** | **Mandatory?** |
| --- | --- | --- | --- |
| usertoken | User token | string | Required |
| path | Search path | string | Required |

Body parameter

| **Field** | **Description** | **Type** | **Mandatory?** |
| --- | --- | --- | --- |
| resourcename | Search resource name | string | Required |
| conditiongroup | Search condition gropp | ConditionGroup | Required |
| type | Search resource type | int（0 for clip，1 folder，Null search both folder and clip） | No |
| sortbys | Sort condition group | sortby[] | No |
| conditiongroup | Search condition group | ConditionGroup | Required |
| page | Page numbers | int | No |
| size | Page size | int | No |
| count | Whether to return the total number of statistics which meet the conditions | bool | No |

1. //Sort condition group
2. sortby{
3. string fieldname//Sort field
4. bool isdesc//Whether in descending order
5. }
6. //Search condition group
7. ConditionGroup:
8. {
9. SearchCondition[] query,
10. string relation,
11. ConditionGroup[] subgroup,//ConditionGroup
12. }
13. SearchCondition:
14. {
15. string key //Condition key
16. object value //Condition value
17. string queryoperation //Condition: and、or、not
18. }

***Request Sample:***

1. POST /CMApi/api/entity/object/fulltextadvancesearch?usertoken=a931b708cc6aee660aa6ffcaf5f0cfc0&type=0&path=global\_sobey\_defaultclass/MaterialList/Public Material/hexue&pathtype=http
2. Host: localhost:8080
3. sobeyhive-http-system: Nebula
4. sobeyhive-http-site: S1
5. Content-Type: application/json
6. sobeyhive-http-token: SjUAxwMUwkpuY+CNt1daEMoVAVE=
7. sobeyhive-http-tool: Upload
8. {
9. "resourcename": "entity",
10. "conditiongroup": {
11. "query": [
12. {
13. "key": "type\_",
14. "value": "biz\_sobey\_video",
15. "queryoperation": "LIKE"
16. },
17. {
18. "key": "type\_",
19. "value": "biz\_sobey\_audio",
20. "queryoperation": "LIKE"
21. },
22. {
23. "key": "type\_",
24. "value": "biz\_sobey\_picture",
25. "queryoperation": "LIKE"
26. },
27. {
28. "key": "type\_",
29. "value": "biz\_sobey\_document",
30. "queryoperation": "LIKE"
31. },
32. {
33. "key": "type\_",
34. "value": "biz\_sobey\_other",
35. "queryoperation": "LIKE"
36. },
37. {
38. "key": "name\_",
39. "value": "1920",
40. "queryoperation": "LIKE"
41. }
42. ],
43. "relation": "AND",
44. "subgroup": null
45. },
46. "sortbys": [
47. {
48. "fieldname": "name\_",
49. "isdesc": false
50. }
51. ],
52. "page": 1,
53. "size": 2147483647,
54. "count": true
55. }

***Response Sample:***

1. HTTP/1.1 201 OK
2. Date: Wed, 01 Mar 2006 12:00:00 GMT
3. Content-Length: 0
4. Content-Type: application/json
5. Connection: close
6. {
7. "code": "0",
8. "ext": [
9. {
10. "entity": {
11. "privilege": "public\_S1",
12. "deleteflag": 0,
13. "id": 105986,
14. "guid": "f869afac32594055a4c0e6711bc7c763",
15. "name": "1920 1080 5994i 8bit",
16. "type": 32,
17. "subtype": 1,
18. "folderid": 93165,
19. "folderpath": "global\_sobey\_defaultclass/MaterialList/Public Material/hexue",
20. "cdid": "0",
21. "keyword": "",
22. "iconframe": 0,
23. "iconfilename": "\\\\172.16.168.202\\hivefiles\\sobeyhive\\bucket-p\\keyframes\\biz\_sobey\_video\\2016\\09\\28\\a20e8d731e1224a8198a0b8c0c0f1bda\_320\_270\_0.jpg",
24. "creator": "fac3be238bc44b0bbd2a6f11d2f3c8f3",
25. "modifier": "fac3be238bc44b0bbd2a6f11d2f3c8f3",
26. "createdate": "2016-09-28 14:15:01",
27. "modifydate": "2016-09-28 14:16:19",
28. "accessdate": "2016-09-28 14:15:42",
29. "status": 0,
30. "rights": "",
31. "journallist": "",
32. "note": "",
33. "editterminal": "",
34. "modifyterminal": "qw",
35. "deviceid": "00000000000000000000000000000000",
36. "mosid": "",
37. "item": {
38. "trimin": 0,
39. "trimout": 52000000,
40. "length": 52000000,
41. "archiveuser": "",
42. "archivedate": "1899-12-30 00:00:00",
43. "videostandard": 1092684609,
44. "filestatus": 65,
45. "mediachannel": "VAAAAAAAA",
46. "capturestatus": 0,
47. "imagetype": 0,
48. "tobearchivestate": 0,
49. "clipsource": 0,
50. "version": 1546695088281747456,
51. "itemname": "1920 1080 5994i 8bit",
52. "category": "",
53. "programname": "",
54. "clipfile": [],
55. "archiveflag": 0,
56. "dbestreamchannel": 0,
57. "ntsctcmode": 0,
58. "storyid": "",
59. "signalsourcetype": 0
60. }
61. },
62. "metadata": {
63. "ingesttask": {
64. "process": 0,
65. "sourcetapeid": "",
66. "backtapid": "",
67. "sourcetapebarcode": ""
68. }
69. },
70. "fileformatinfo": {}
71. }
72. ],
73. "pageIndex": 1,
74. "pageSize": 5000,
75. "totalCount": 14,
76. "totalPage": 1,
77. "usedTime": 0
78. }

Return code:

| **Code** | **Description** | **Type** |
| --- | --- | --- |
| 10010 | invalid parameter | int |
| 10011 | internal exception | int |
| 10012 | querying error | int |
| 10013 | data converting error | int |
| 10014 | entity does not exist | int |
| 0 | success | int |

Playout workflow

1. **Create rundown**

API-URL：

**POST**       /studio/rundown

***Request Sample:***

1. POST /studio/rundown/ HTTP/1.1
2. Host: localhost:8080
3. sobeyhive-http-system: Nebula
4. sobeyhive-http-site: S1
5. Content-Type: application/json
6. sobeyhive-http-token: i0l7/w8fa8MFfYxyO7GadPArh1s=
7. sobeyhive-http-tool: Upload
8. {
9. "mosID": "aircache.newscenter.com",
10. "ncsID": "ncs.newscenter.com",
11. "messageID": "30334",
12. "roCreate": {
13. "roID": "96857485",
14. "roSlug": "5PM RUNDOWN",
15. "roEdStart": "1999-04-17T17:02:00",
16. "roEdDur": "00:58:25",
17. "story": {
18. "storyID": "5983A501:0049B924:8390EF2B",
19. "storySlug": "COLSTAT MURDER",
20. "storyNum": "A5",
21. "item": {
22. "itemID": "0",
23. "itemSlug": "COLSTAT MURDER:VO",
24. "objID": "M000224",
25. "mosID": "testmos.enps.com",
26. "itemEdDur": "645",
27. "itemUserTimingDur": "310",
28. "itemTrigger": "CHAINED"
29. }
30. }
31. }
32. }

***Response Sample:***

1. HTTP/1.1 201 OK
2. Date: Wed, 01 Mar 2006 12:00:00 GMT
3. Content-Length: 0
4. Content-Type: application/json
5. Connection: close
6. {
7. "code":0,
8. "msg":"",
9. "ext":
10. {
11. "mosID": "aircache.newscenter.com",
12. "ncsID": "ncs.newscenter.com",
13. "messageID": "30334",
14. "roAck": {
15. "roID": "96857485",
16. "roStatus": "OK "
17. }
18. }
19. }

Return code:

| **Code** | **Description** | **Type** |
| --- | --- | --- |
| 20001 | wrong mosid | int |
| 20002 | now is in emergency mode | int |
| 20003 | saving to database failure | int |
| 0 | success | int |

1. **Update rundown**

API-URL：

**PUT**       /studio/rundown/{rundownid}

**Parameter**

| **Field** | **Description** | **Type** | **Mandatory?** |
| --- | --- | --- | --- |
| rundownid | Rundown ID | string | Required |

***Request Sample:***

1. PUT /studio/rundown/96857485 HTTP/1.1
2. Host: localhost:8080
3. sobeyhive-http-system: Nebula
4. sobeyhive-http-site: S1
5. Content-Type: application/json
6. sobeyhive-http-token: i0l7/w8fa8MFfYxyO7GadPArh1s=
7. sobeyhive-http-tool: Upload
8. {
9. "mosID": "aircache.newscenter.com",
10. "ncsID": "ncs.newscenter.com",
11. "messageID": "2345",
12. "roReplace": {
13. "roID": "96857485",
14. "roSlug": "5PM RUNDOWN",
15. "story": {
16. "storyID": "5983A501:0049B924:8390EF2B",
17. "storySlug": "COLSTAT MURDER",
18. "storyNum": "A1",
19. "item": {
20. "itemID": "0",
21. "itemSlug": "COLSTAT MURDER:VO",
22. "objID": "M000224",
23. "mosID": "testmos.enps.com",
24. "objPaths": {
25. "objPath": {
26. "-techDescription": "MPEG2 Video",
27. "#text": "\\\\server\\media\\clip392028cd2320s0d.mxf"
28. },
29. "objProxyPath": {
30. "-techDescription": "WM9 750Kbps",
31. "#text": "http://server/proxy/clipe.wmv"
32. }
33. },
34. "itemEdDur": "645",
35. "itemUserTimingDur": "310",
36. "itemTrigger": "CHAINED",
37. "mosExternalMetadata": {}
38. }
39. }
40. }
41. }

***Response Sample:***

1. HTTP/1.1 201 OK
2. Date: Wed, 01 Mar 2006 12:00:00 GMT
3. Content-Length: 0
4. Content-Type: application/json
5. Connection: close
6. {
7. "code":0,
8. "msg":"",
9. "ext":
10. {
11. "mosID": "aircache.newscenter.com",
12. "ncsID": "ncs.newscenter.com",
13. "messageID": "2345",
14. "roAck": {
15. "roID": "96857485",
16. "status": "ACK"
17. }
18. }
19. }

Return code:

| **Code** | **Description** | **Type** |
| --- | --- | --- |
| 20001 | wrong mosid | int |
| 20002 | now is in emergency mode | int |
| 20003 | saving to database failure | int |
| 20004 | rundown is playing | int |
| 20005 | rundownid does not exist | int |
| 0 | success | int |

1. **Delete rundown**

API-URL：

**DELETE**       /studio/rundown/{rundownid}

**Parameter：**

| **Field** | **Description** | **Type** | **Mandatory?** |
| --- | --- | --- | --- |
| id | Rundown ID | string | Required |

***Request Sample:***

1. DELETE /studio/rundown/49478285 HTTP/1.1
2. Host: localhost:8080
3. sobeyhive-http-system: Nebula
4. sobeyhive-http-site: S1
5. Content-Type: application/json
6. sobeyhive-http-token: i0l7/w8fa8MFfYxyO7GadPArh1s=
7. sobeyhive-http-tool: Upload
8. {
9. "mosID": "aircache.newscenter.com",
10. "ncsID": "ncs.newscenter.com",
11. "messageID": "544",
12. "roDelete": {
13. "roID": "49478285"
14. }
15. }

***Response Sample:***

1. HTTP/1.1 204 OK
2. Date: Wed, 01 Mar 2006 12:00:00 GMT
3. Content-Length: 0
4. Content-Type: application/json
5. Connection: close
6. {
7. "code":0,
8. "msg":"",
9. "ext":
10. {
11. "mosID": "aircache.newscenter.com",
12. "ncsID": "ncs.newscenter.com",
13. "messageID": "544",
14. "roAck": {
15. "roID": "49478285",
16. "roStatus": "OK"
17. }
18. }
19. }

Return code:

| **Code** | **Description** | **Type** |
| --- | --- | --- |
| 20001 | wrong mosid | int |
| 20002 | now is in emergency mode | int |
| 20003 | saving to database failure | int |
| 20004 | rundown is playing | int |
| 20005 | rundownid does not exist | int |
| .0 | success | int |

1. **Insert story**

API-URL：

**POST**       /studio/story

***Request Sample:***

1. POST /studio/story HTTP/1.1
2. Host: localhost:8080
3. sobeyhive-http-system: Nebula
4. sobeyhive-http-site: S1
5. Content-Type: application/json
6. sobeyhive-http-token: i0l7/w8fa8MFfYxyO7GadPArh1s=
7. sobeyhive-http-tool: Upload
8. {
9. "mosID": "aircache.newscenter.com",
10. "ncsID": "ncs.newscenter.com",
11. "messageID": "12055",
12. "roStoryAppend": {
13. "roID": "5PM",
14. "story": {
15. "storyID": "V: BRIDGE COLLAPSE",
16. "storySlug": "Bridge Collapse",
17. "storyNum": "B7",
18. "item": {
19. "itemID": "30848",
20. "objID": "M000627",
21. "mosID": "testmos.enps.com",
22. "itemEdStart": "0",
23. "itemEdDur": "815",
24. "itemUserTimingDur": "310",
25. "macroIn": "c01/l04/dve07",
26. "macroOut": "r00"
27. }
28. }
29. }
30. }

***Response Sample:***

1. HTTP/1.1 201 OK
2. Date: Wed, 01 Mar 2006 12:00:00 GMT
3. Content-Length: 0
4. Content-Type: application/json
5. Connection: close
6. {
7. "code":0,
8. "msg":"",
9. "ext":
10. {
11. "mosID": "aircache.newscenter.com",
12. "ncsID": "ncs.newscenter.com",
13. "messageID": "12055",
14. "roAck": {
15. "roID": "5PM",
16. "roStatus": "OK"
17. }
18. }
19. }

Return code:

| **Code** | **Description** | **Type** |
| --- | --- | --- |
| 20001 | wrong mosid | int |
| 20002 | now is in emergency mode | int |
| 20003 | saving to database failure | int |
| 20006 | storyid does not exist | int |
| 20005 | rundownid does not exist | int |
| 0 | success | int |

1. **Update story**

API-URL：

**PUT**       /studio/story/{storyid}

**Parameter:**

| **Field** | **Description** | **Type** | **Mandatory?** |
| --- | --- | --- | --- |
| storyid | storyid | string | Required |

***Request Sample:***

1. PUT /studio/story/123 HTTP/1.1
2. Host: localhost:8080
3. sobeyhive-http-system: Nebula
4. sobeyhive-http-site: S1
5. Content-Type: application/json
6. sobeyhive-http-token: i0l7/w8fa8MFfYxyO7GadPArh1s=
7. sobeyhive-http-tool: Upload
8. {
9. "mosID": "aircache.newscenter.com",
10. "ncsID": "ncs.newscenter.com",
11. "messageID": "567",
12. "roStoryReplace": {
13. "roID": "5PM",
14. "storyID": "123",
15. "story": [
16. {
17. "storyID": "123",
18. "storySlug": "Hotel Fire",
19. "storyNum": "C1",
20. "item": {
21. "itemID": "30848",
22. "itemSlug": "Hotel Fire vo",
23. "objID": "M000702",
24. "mosID": "testmos",
25. "objPaths": {
26. "objPath": {
27. "-techDescription": "MPEG2 Video",
28. "#text": "\\\\server\\media\\clip392028cd2320s0d.mxf"
29. },
30. "objProxyPath": {
31. "-techDescription": "WM9 750Kbps",
32. "#text": "http://server/proxy/clipe.wmv"
33. }
34. },
35. "itemEdStart": "0",
36. "itemEdDur": "900",
37. "itemUserTimingDur": "800",
38. "macroIn": "c01/l04/dve07",
39. "macroOut": "r00",
40. "mosExternalMetadata": {
41. "mosScope": "PLAYLIST",
42. "mosSchema": "http://MOSA4.com/mos/supported\_schemas/MOSAXM L2.08",
43. "mosPayload": {
44. "Owner": "SHOLMES",
45. "transitionMode": "2",
46. "transitionPoint": "463",
47. "source": "a",
48. "destination": "b"
49. }
50. }
51. }
52. }
53. ]
54. }
55. }

***Response Sample:***

1. HTTP/1.1 201 OK
2. Date: Wed, 01 Mar 2006 12:00:00 GMT
3. Content-Length: 0
4. Content-Type: application/json
5. Connection: close
6. {
7. "code":0,
8. "msg":"",
9. "ext":
10. {
11. "mosID": "aircache.newscenter.com",
12. "ncsID": "ncs.newscenter.com",
13. "messageID": "567",
14. "roAck": {
15. "roID": "5PM",
16. "roStatus": "Unknown object M000133"
17. }
18. }
19. }

Return code:

| **Code** | **Description** | **Type** |
| --- | --- | --- |
| 20001 | wrong mosid | int |
| 20002 | now is in emergency mode | int |
| 20003 | saving to database failure | int |
| 20006 | storyid does not exist | int |
| 20005 | rundownid does not exist | int |
| 0 | success | int |

1. **Delete story**

API-URL：

**DELETE**       /studio/story/{storyid}

***Request Sample:***

1. DELETE /studio/story/123 HTTP/1.1
2. Host: localhost:8080
3. sobeyhive-http-system: Nebula
4. sobeyhive-http-site: S1
5. Content-Type: application/json
6. sobeyhive-http-token: i0l7/w8fa8MFfYxyO7GadPArh1s=
7. sobeyhive-http-tool: Upload
8. {
9. "mosID": "aircache.newscenter.com",
10. "ncsID": "ncs.newscenter.com",
11. "messageID": "213405",
12. "roStoryDelete": {
13. "roID": "5PM",
14. "storyID": [
15. "123"
16. ]
17. }
18. }

***Response Sample:***

1. HTTP/1.1 204 OK
2. Date: Wed, 01 Mar 2006 12:00:00 GMT
3. Content-Length: 0
4. Content-Type: application/json
5. Connection: close
6. {
7. "code":0,
8. "msg":"",
9. "ext":
10. {
11. "mosID": "aircache.newscenter.com",
12. "ncsID": "ncs.newscenter.com",
13. "messageID": "213405",
14. "roAck": {
15. "roID": "5PM",
16. "roStatus": "Unknown object M000133"
17. }
18. }
19. }

Return code:

| **Code** | **Description** | **Type** |
| --- | --- | --- |
| 20001 | wrong mosid | int |
| 20002 | now is in emergency mode | int |
| 20003 | saving to database failure | int |
| 20007 | story is playing | int |
| 20005 | rundownid does not exist | int |
| 20008 | storyid does not exist | int |
| 0 | success | int |

1. **Register event status notify**

API-URL：

**POST**       /studio/registerstatusnotify

***Request Sample:***

1. POST /studio/registerstatusnotify HTTP/1.1
2. Host: localhost:8080
3. sobeyhive-http-system: Nebula
4. sobeyhive-http-site: S1
5. Content-Type: application/json
6. sobeyhive-http-token: i0l7/w8fa8MFfYxyO7GadPArh1s=
7. sobeyhive-http-tool: Upload
8. {
9. "callback": "http://www.somewebsite.com/notify"
10. }

The callback must be a restful interface.

***Response Sample:***

1. HTTP/1.1 201 OK
2. Date: Wed, 01 Mar 2006 12:00:00 GMT
3. Content-Length: 0
4. Content-Type: application/json
5. Connection: close
6. {
7. "code": "0",
8. "msg": "",
9. }

Return code:

| **Code** | **Description** | **Type** |
| --- | --- | --- |
| 0 | success | int |
| 2020 | register failure | int |

***Callback Request Sample：***

1. POST /notify HTTP/1.1
2. Host: somesite:8080
3. sobeyhive-http-system: Nebula
4. sobeyhive-http-site: S1
5. Content-Type: application/json
6. sobeyhive-http-token: i0l7/w8fa8MFfYxyO7GadPArh1s=
7. sobeyhive-http-tool: Upload
8. {
9. "mosID": "aircache.newscenter.com",
10. "ncsID": "ncs.newscenter.com",
11. "messageID": "506702",
12. "roElementStat": {
13. "-element": "ITEM",
14. "roID": "5PM",
15. "storyID": "HOTEL FIRE ",
16. "itemID": "0",
17. "objID": "A0295",
18. "itemChannel": "B",
19. "status": "PLAY",
20. "time": "1999-04-11T14:13:53"
21. }
22. }

***Callback Response Sample：***

1. HTTP/1.1 201 OK
2. Date: Wed, 01 Mar 2006 12:00:00 GMT
3. Content-Length: 0
4. Content-Type: application/json
5. Connection: close
6. {
7. "code":0,
8. "msg":"",
9. "ext":
10. {
11. "mosID": "aircache.newscenter.com",
12. "ncsID": "ncs.newscenter.com",
13. "messageID": "506702",
14. "roAck": {
15. "roID": "5PM",
16. "roStatus": "OK"
17. }
18. }
19. }
20. **Unregister event status notify**

API-URL：

**DELETE**       /studio/unregisterstatusnotify

***Request Sample：***

1. DELETE /studio/unregisterstatusnotify HTTP/1.1
2. Host: localhost:8080
3. sobeyhive-http-system: Nebula
4. sobeyhive-http-site: S1
5. Content-Type: application/json
6. sobeyhive-http-token: i0l7/w8fa8MFfYxyO7GadPArh1s=
7. sobeyhive-http-tool: Upload
8. {
9. "callback": "http://www.somewebsite.com/notify"
10. }

***Response Sample:***

1. HTTP/1.1 204 OK
2. Date: Wed, 01 Mar 2006 12:00:00 GMT
3. Content-Length: 0
4. Content-Type: application/json
5. Connection: close
6. {
7. "code": "0",
8. "msg": "",
9. }

Return code:

| **Code** | **Description** | **Type** |
| --- | --- | --- |
| 0 | success | int |
| 2021 | unregister failure | int |