End Points:

### User Signs up

Type: Post  
Path: /users/sign-up  
Example request body:

| {  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "Guest",  "id": "null"  },  "verb":{  "id-enum":"create-user",  "display":{   "en-US":"create user"   }  },  "object":{  "id":"null",  "objectType": "Agent",  "definition":{  "name":{   "en-US":"user data"   }  }  },  "context":{  "name":"Ahmed Hamad",  "assignedId":"20200458",  "email":"ahmed459@gmail.com",  "password":"faa" } |
| --- |

Example response body:

| {  "id":"cbb499a2-77cb-4a8f-9a1e-52ae0b80b81c",  "timestamp": "2015-11-18T12:19:00+00:00",  "actor":{  "name": "server",  "id": "null",  “requestBy”:"null"  },  "verb":{  "id-enum":"user-created-successfully",  "display":{   "en-US":"new user been created"   }  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Agent",  "definition":{  "name":{   "en-US":"user Ahmed Hamad Data"   }  }  },  "context":{  "user":{  "name":"Ahmed Hamad",  "id": "fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "assignedId":"20200458",  "email":"ahmed459@gmail.com",  "avatar": "LINK",  "courses": []  }  } } |
| --- |

### 

### User Logging in

Type: Post  
Path: /users/login  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "Guest",  "id": "null"  },  "verb":{  "id-enum":"log-into-account",  "display":{   "en-US":"log user"   }  },  "object":{  "id":"null",  "objectType": "Agent",  "definition":{  "name":{   "en-US":"user data"   }  }  },  "context":{  "assignedId":"20200458",  "email":"ahmed459@gmail.com",  "password":"faa"  } } |
| --- |

Expected response:

| {  "id":”ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  “requestBy”:"null"  },  "verb":{  "id-enum":"login-successful",  "display":{   "en-US":"login authorised"   }  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Agent",  "definition":{  "name":{   "en-US":"user data"   }  }  },  "context":{  "user":{  "name":"Ahmed Hamad",  "id": "fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "assignedId":"20200458",  "email":"ahmed459@gmail.com",  "avatar": "LINK",  "courses": ["4970e877-04f6-47d2-83aa-b43003beb9a1","3f2c92a1-5e60-4305-83b2-ed9159d3deb1"]  }  } } |
| --- |

### 

### Admin Create course

Type: Post  
Path: /courses/create

Details: only admins can create courses  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "Admin",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"admin-create-course",  },  "object":{  "id":"null",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"course Data"   }  }  },  "context":{  "course":{  "name":"intro to computers",  "code":"IS256",  "maxCapacity":"250",  "Teachers":  ["3fc12698-ff06-41bd-b09d-d4ca01a49c4d","cb4cb09f-95c8-41c5-aa33-329c35621825"]  }   } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  “requestBy”:"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"course-created-successfully",  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Course Data"   }  }  },  "context":{  "course":{  "name":"intro to computers",  "code":"IS256",  "maxCapacity":"250",  "id": "fb6fe636-d462-4ccf-ad3e-b8a132a254f8",   "enollCode":"AGR456",  "Teachers": ["3fc12698-ff06-41bd-b09d-d4ca01a49c4d","cb4cb09f-95c8-41c5-aa33-329c35621825"],  "Posts":[]  },  "users":[  {"name":"Ahmed Hamad",  "id": "3fc12698-ff06-41bd-b09d-d4ca01a49c4d",  "assignedId":"null",  "email":"ahmed459@gmail.com",  "avatar": "LINK"},   {"name":"ALI ALI",  "id": "cb4cb09f-95c8-41c5-aa33-329c35621825",  "assignedId":"null",  "email":"ahmed459@gmail.com",  "avatar": "LINK"}]  } } |
| --- |

### Admin Update course

Type: Post  
Path: /courses/update

Details: only admins can update courses meta data  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "Admin",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"admin-update-course",  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"course Data"   }  }  },  "context":{  "course–update":{  "maxCapacity":"350",  "Teachers":  ["3fc12698-ff06-41bd-b09d-d4ca01a49c4d"]  }   } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  “requestBy”:"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"course-updated-successfully",  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Course Data"   }  }  },  "context":{  "course":{  "name":"intro to computers",  "code":"IS256",  "maxCapacity":"350",  "currentStudents":"124",  "enrollCode":"AGR456",  "id": "fb6fe636-d462-4ccf-ad3e-b8a132a254f8",   "Teachers": ["3fc12698-ff06-41bd-b09d-d4ca01a49c4d"],  "Posts":["e792e71f-0660-4a63-809f-4bf4a26b4276"]  },  "users":[  {"name":"Ahmed Hamad",  "id": "3fc12698-ff06-41bd-b09d-d4ca01a49c4d",  "assignedId":"null",  "email":"ahmed459@gmail.com",  "avatar": "LINK"},  "Posts":[{  "id": "e792e71f-0660-4a63-809f-4bf4a26b4276",  "courseId":"3303bb26-da01-4fb4-b8b1-9c60ec718507",  "postedBy": "ec1d1512-5712-4a22-99d8-161dc829fbd2",  "postedOn":"2015-11-18T12:17:00+00:00",  "content":"This is a very normal post",  "comments":[]  }]  } } |
| --- |

### Admin Delete Course

Type: Post  
Path: /courses/delete  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "Admin",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"delete-course",  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"course Data"   }  }  }, } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  “requestBy”:"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"course-deleted-successfully",  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Course Data"   }  }  } } |
| --- |

### 

### Admin View course code

Type: Post  
Path: /courses/admin-enroll-code  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "User",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"admin-request-course-code",  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"course Data enroll code"   }  }  }, } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  “requestBy”:"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"sent-partial-course-data",  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "enrollCode":"ARG456",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Course Data enroll code"   }  }  } } |
| --- |

### 

### Admin Create user

Type: Post  
Path: /users/super-create

Details: admin specific endpoint  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "Admin",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"admin-create-user",  },  "object":{  "id":"null",  "objectType": "Agent",  "definition":{  "name":{   "en-US":"course Data"   }  }  },  "context":{  "user":{  "name":"Ahmed Hamad",  "assignedId":"20200458",  "email":"ahmed459@gmail.com",  "avatar": "LINK",  "courses": ["4970e877-04f6-47d2-83aa-b43003beb9a1","3f2c92a1-5e60-4305-83b2-ed9159d3deb1"]  }   } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  “requestBy”:"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"user-created-successfully",  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Agent",  "definition":{  "name":{   "en-US":"User Data"   }  }  },  "context":{  "user":{  "name":"Ahmed Hamad",  "id": "fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "assignedId":"20200458",  "email":"ahmed459@gmail.com",  "avatar": "LINK",  "courses": ["4970e877-04f6-47d2-83aa-b43003beb9a1","3f2c92a1-5e60-4305-83b2-ed9159d3deb1"]  }    } } |
| --- |

### 

### Admin Update user

Type: Post  
Path: /users/super-update

Details: admin specific endpoint

Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "Admin",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"admin-update-user",  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Agent",  "definition":{  "name":{   "en-US":"User Data"   }  }  },  "context":{  "user":{  "assignedId":"20200987",  "courses": ["4970e877-04f6-47d2-83aa-b43003beb9a1"]  }   } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  “requestBy”:"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"user-created-successfully",  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Agent",  "definition":{  "name":{   "en-US":"Updated User Data"   }  }  },  "context":{  "user":{  "name":"Ahmed Hamad",  "id": "fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "assignedId":"20200987”,  "email":"ahmed459@gmail.com",  "avatar": "LINK",  "courses": ["4970e877-04f6-47d2-83aa-b43003beb9a1"]  }    } } |
| --- |

### 

### Admin Delete user

Type: Post  
Path: /users/super-update

Details: admin specific endpoint

Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "Admin",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"admin-delete-user",  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Agent",  "definition":{  "name":{   "en-US":"User"   }  }  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  “requestBy”:"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"user-deleted-successfully",  },  "object":{  "id":"null",  "objectType": "Agent",  "definition":{  "name":{   "en-US":"deleted User Data"   }  }  } } |
| --- |

### 

### User updates profile

Type: Post  
Path: /users/update

Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "user",  "id": "5290a046-7f1f-4af4-9923-280f835df685",  },  "verb":{  "id-enum":"update-user",  },  "object":{  "id":"5290a046-7f1f-4af4-9923-280f835df685",  "objectType": "Agent",  "definition":{  "name":{   "en-US":"User Data"   }  }  },  "context":{  "user":{  "assignedId":"20200987",  "password":"FSHteg45@#",  "courses": ["4970e877-04f6-47d2-83aa-b43003beb9a1"]  }   } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"user-updated-successfully",  },  "object":{  "id":"5290a046-7f1f-4af4-9923-280f835df685",  "objectType": "Agent",  "definition":{  "name":{   "en-US":"Updated User Data"   }  }  },  "context":{  "user":{  "name":"Ahmed Hamad",  "id": "5290a046-7f1f-4af4-9923-280f835df685",  "assignedId":"20200987",  "email":"ahmed459@gmail.com",  "avatar": "LINK",  "password":"FSHteg45@#",  "courses": ["4970e877-04f6-47d2-83aa-b43003beb9a1"]  }    } } |
| --- |

### 

### Enroll in a course

Type: Post  
Path: /course/enroll

Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "user",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"enroll-in-course",  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Course"   }  }  },  "context":{  "enrollCode":"ARG456"  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  “requestBy”:"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"user-enrolled-successfully",  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Added user to course"   }  }  } } |
| --- |

### 

### Get Course by ID

Type: Post  
Path: /courses/course/{id}  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "User",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"user-get-courses",  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"course Data"   }  }  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"sent-courses-data-successfully",  },  "object":{  "Id": "fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Course Data"   }  }  },  "context":{  "courses":{  "name":"intro to computers",  "code":"IS256",  "maxCapacity":"350",  "currentStudents":"124",  "id": "fb6fe636-d462-4ccf-ad3e-b8a132a254f8",   "Teachers": ["3fc12698-ff06-41bd-b09d-d4ca01a49c4d"],  "Posts":["e792e71f-0660-4a63-809f-4bf4a26b4276"]  },  "users":[  {"name":"Ahmed Hamad",  "id": "3fc12698-ff06-41bd-b09d-d4ca01a49c4d",  "assignedId":"null",  "email":"ahmed459@gmail.com",  "avatar": "LINK"}],  "posts":[{  "id": "e792e71f-0660-4a63-809f-4bf4a26b4276",  "courseId":"3303bb26-da01-4fb4-b8b1-9c60ec718507",  "postedBy": "ec1d1512-5712-4a22-99d8-161dc829fbd2",  "postedOn":"2015-11-18T12:17:00+00:00",  "content":"This is a very normal post",  "comments":[]  }]  } } |
| --- |

### 

### Get courses by user

Type: Post  
Path: /courses/user  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "User",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"user-get-courses",  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"user courses Data"   }  }  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"sent-courses-data-successfully",  },  "object":{  "id": ["fb6fe636-d462-4ccf-ad3e-b8a132a254f8","45fe3144-fc70-49ef-9392-c51bd25a4cb9"],  "objectType": "Group",  "definition":{  "name":{   "en-US":"user Courses Data"   }  }  },  "context":{  "courses":[{  "name":"intro to computers",  "code":"IS256",  "maxCapacity":"350",  "currentStudents":"124",  "id": "fb6fe636-d462-4ccf-ad3e-b8a132a254f8",   "Teachers": ["3fc12698-ff06-41bd-b09d-d4ca01a49c4d"],  "Posts":["e792e71f-0660-4a63-809f-4bf4a26b4276"]  },  {  "name":"Math 3",  "code":"CS459",  "maxCapacity":"350",  "currentStudents":"264",  "id": "45fe3144-fc70-49ef-9392-c51bd25a4cb9",   "Teachers": ["3fc12698-ff06-41bd-b09d-d4ca01a49c4d"],  "Posts":["e792e71f-0660-4a63-809f-4bf4a26b4276"]  }],  "users":[  {"name":"Ahmed Hamad",  "id": "3fc12698-ff06-41bd-b09d-d4ca01a49c4d",  "assignedId":"null",  "email":"ahmed459@gmail.com",  "avatar": "LINK"}],  "posts":[{  "id": "e792e71f-0660-4a63-809f-4bf4a26b4276",  "courseId":"3303bb26-da01-4fb4-b8b1-9c60ec718507",  "postedBy": "ec1d1512-5712-4a22-99d8-161dc829fbd2",  "postedOn":"2015-11-18T12:17:00+00:00",  "content":"This is a very normal post",  "comments":[]  }]  } } |
| --- |

### Get User by ID

Type: Post  
Path: /users/user/{id}  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "User",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"user-get-users",  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Agent",  "definition":{  "name":{   "en-US":"User Data"   }  }  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"sent-users-data-successfully",  },  "object":{  "Id": "fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Agent",  "definition":{  "name":{   "en-US":"user ahmed hamad Data"   }  }  },  "context":{  "user": {"name":"Ahmed Hamad",  "id": "3fc12698-ff06-41bd-b09d-d4ca01a49c4d",  "assignedId":"20200958",  "email":"ahmed459@gmail.com",  "avatar": "LINK",  "role":"3"}  } } |
| --- |

### 

### Get Users by course

Type: Post  
Path: /users/course  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "User",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"user-get-users",  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Course"   }  }  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"sent-users-data-successfully",  },  "object":{  "id": ["fb6fe636-d462-4ccf-ad3e-b8a132a254f8","f6699e7d-78c0-4d21-b705-a3312f3b7a26"],  "objectType": "Group",  "definition":{  "name":{   "en-US":"users Data"   }  }  },  "context":{  "course":{  "name":"intro to computers",  "code":"IS256",  "maxCapacity":"350",  "currentStudents":"124",  "id": "fb6fe636-d462-4ccf-ad3e-b8a132a254f8",   "Teachers": ["3fc12698-ff06-41bd-b09d-d4ca01a49c4d"],  "Posts":["e792e71f-0660-4a63-809f-4bf4a26b4276"]  },  "users":[  {"name":"Ahmed Hamad",  "id": "3fc12698-ff06-41bd-b09d-d4ca01a49c4d",  "assignedId":"2045788",  "email":"ahmed459@gmail.com",  "avatar": "LINK",  "role":"2"},  {"name":"Ali Gamal",  "id": "81982440-64a7-4bd7-8336-ca3926575a73",  "assignedId":"2031958",  "email":"ALIALI9@gmail.com",  "avatar": "LINK",  "role":"4"}],  } } |
| --- |

### 

### Get Post by ID

Type: Post  
Path: /posts/post/{id}  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "User",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"user-get-posts",  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"post Data"   }  }  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"sent-posts-data-successfully",  },  "object":{  "id": "fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"post Data"   }  }  },  "context":{  "post":{  "id": "e792e71f-0660-4a63-809f-4bf4a26b4276",  "courseId":"3303bb26-da01-4fb4-b8b1-9c60ec718507",  "postedBy": "ec1d1512-5712-4a22-99d8-161dc829fbd2",  "postedOn":"2015-11-18T12:17:00+00:00",  "content":"This is a very normal post",  "comments":[]  }  } } |
| --- |

### 

### Get Posts by parent Course

Type: Post  
Path: /posts/course  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "User",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"user-get-posts",  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"course id"   }  }  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"sent-posts-data-successfully",  },  "object":{  "id": "fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"posts Data"   }  }  },  "context":{  "post":[{  "id": "e792e71f-0660-4a63-809f-4bf4a26b4276",  "courseId":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "postedBy": "ec1d1512-5712-4a22-99d8-161dc829fbd2",  "postedOn":"2015-11-18T12:17:00+00:00",  "content":"This is a very normal post",  "comments":[]  },  {  "id": "'ca682c82-801f-4250-8a65-dd40b167f3da'",  "courseId":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "postedBy": "ec1d1512-5712-4a22-99d8-161dc829fbd2",  "postedOn":"2015-11-18T12:17:00+00:00",  "content":"This is NOT A very normal post",  "comments":[]  }]  } } |
| --- |

### 

### Get Comment by ID

Type: Post  
Path: /comments/comment/{id}  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "User",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"user-get-comments",  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"comment id"   }  }  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"sent-comments-data-successfully",  },  "object":{  "id": "fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"comment Data"   }  }  },  "context":{  "comment":{  "id": "fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "postedBy": "ec1d1512-5712-4a22-99d8-161dc829fbd2",  "postedOn":"2015-11-18T12:17:00+00:00",  "replyingTo": "1df6a686-3be7-4fdf-9938-0e38b98f8400",  "content":"This is a comment"  }  } } |
| --- |

### 

### Get comments by parent post

Type: Post  
Path: /comments/post  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "User",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"user-get-comments",  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"post id"   }  }  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"sent-comments-data-successfully",  },  "object":{  "id": ["fb6fe636-d462-4ccf-ad3e-b8a132a254f8","ab975d18-59f9-4639-abf5-44e7d0059622"],  "objectType": "Group",  "definition":{  "name":{   "en-US":"comments Data"   }  }  },  "context":{  "comment":[{  "id": "fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "postedBy": "ec1d1512-5712-4a22-99d8-161dc829fbd2",  "postedOn":"2015-11-18T12:17:00+00:00",  "replyingTo": "1df6a686-3be7-4fdf-9938-0e38b98f8400",  "content":"This is a comment"  },  {  "id": "ab975d18-59f9-4639-abf5-44e7d0059622",  "postedBy": "ec1d1512-5712-4a22-99d8-161dc829fbd2",  "postedOn":"2015-11-18T12:17:00+00:00",  "replyingTo": "1df6a686-3be7-4fdf-9938-0e38b98f8400",  "content":"This is a second comment"  }]  } } |
| --- |

### 

### Get material by ID

Type: Post  
Path: /material/material/{id}  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "User",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"user-get-materials",  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"material data id"   }  }  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"sent-materials-data-successfully",  },  "object":{  "id": "fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"material Data"   }  }  },  "context":{  "material":{  "id": "e792e71f-0660-4a63-809f-4bf4a26b4276",  "courseId":"ec1d1512-5712-4a22-99d8-161dc829fbd2",  "description":"This is a simple pdf",  "type": "1",  "URI":"LINK"  }  } } |
| --- |

### 

### Get material by parent post

Type: Post  
Path: /material/post  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "User",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"user-get-materials",  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"post id"   }  }  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"sent-materials-data-successfully",  },  "object":{  "id": ["fb6fe636-d462-4ccf-ad3e-b8a132a254f8","370b8241-484b-4314-af76-58dcb309ddb8"],  "objectType": "Group",  "definition":{  "name":{   "en-US":"material Data"   }  }  },  "context":{  "material":[{  "id": "e792e71f-0660-4a63-809f-4bf4a26b4276",  "courseId":"ec1d1512-5712-4a22-99d8-161dc829fbd2",  "description":"This is a simple pdf",  "type": "1",  "URI":"LINK"  },  {  "id": "370b8241-484b-4314-af76-58dcb309ddb8",  "courseId":"ec1d1512-5712-4a22-99d8-161dc829fbd2",  "description":"This is a simple pdf number 2",  "type": "1",  "URI":"LINK"  }]  } } |
| --- |

### 

### Create Post in a course

Type: Post  
Path: /courses/{id}/create-post

Details: only privileged user can create posts  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "user",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"privileged-user-posts-in-course",  },  "object":{  "id":"ff5f9250-b19d-461a-8c6b-1102eca5dd43",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"course Data"   }  }  },  "context":{  "post":{  "id": "e792e71f-0660-4a63-809f-4bf4a26b4276",  "courseId":"ff5f9250-b19d-461a-8c6b-1102eca5dd43",  "postImmediately":"no",  "postOn":"2015-11-18T12:17:00+00:00",  "content":"This is a very normal post",  "materials": ["215d6356-e25b-45a1-9d34-a0a144544c64","542d57ad-7bc3-4dab-8ae8-0916467680ef"]  }  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"course-created-successfully",  },  "object":{  "id":"e792e71f-0660-4a63-809f-4bf4a26b4276",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Post Data"   }  }  },  "context":{  "post":{  "id": "e792e71f-0660-4a63-809f-4bf4a26b4276",  "courseId":"ff5f9250-b19d-461a-8c6b-1102eca5dd43",  "postedBy": "4970e877-04f6-47d2-83aa-b43003beb9a1",  "postedOn":"2015-11-18T12:17:00+00:00",  "content":"This is a very normal post",  "comments":[],  "materials": ["fb6fe636-d462-4ccf-ad3e-b8a132a254f8","370b8241-484b-4314-af76-58dcb309ddb8"]  },  "materials":[{  "id": "e792e71f-0660-4a63-809f-4bf4a26b4276",  "courseId":"ff5f9250-b19d-461a-8c6b-1102eca5dd43",  "description":"This is a simple pdf",  "type": "1",  "URI":"LINK"  },  {  "id": "370b8241-484b-4314-af76-58dcb309ddb8",  "courseId":"ff5f9250-b19d-461a-8c6b-1102eca5dd43",  "description":"This is a simple pdf number 2",  "type": "1",  "URI":"LINK"  }]  } } |
| --- |

### 

### Update Post in a course

Type: Post  
Path: /courses/{id}/update-post/{id}

Details: users who created the post can edit it.  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "user",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"privileged-user-update-post",  },  "object":{  "id":"e792e71f-0660-4a63-809f-4bf4a26b4276"",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Post Data"   }  }  },  "context":{  "post":{  "id": "e792e71f-0660-4a63-809f-4bf4a26b4276",  "courseId":"ff5f9250-b19d-461a-8c6b-1102eca5dd43",  "content":"This is an edited post post"  }  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"post-updated-successfully",  },  "object":{  "id":"e792e71f-0660-4a63-809f-4bf4a26b4276",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Post Data"   }  }  },  "context":{  "post":{  "id": "e792e71f-0660-4a63-809f-4bf4a26b4276",  "courseId":"ff5f9250-b19d-461a-8c6b-1102eca5dd43",  "postedBy": "4970e877-04f6-47d2-83aa-b43003beb9a1",  "postedOn":"2015-11-18T12:17:00+00:00",  “editedOn”: "2015-11-18T12:17:00+00:00",  "content":"This is an edited post post",  "comments":[],  "materials": ["fb6fe636-d462-4ccf-ad3e-b8a132a254f8","370b8241-484b-4314-af76-58dcb309ddb8"]  },  "materials":[{  "id": "e792e71f-0660-4a63-809f-4bf4a26b4276",  "courseId":"ff5f9250-b19d-461a-8c6b-1102eca5dd43",  "description":"This is a simple pdf",  "type": "1",  "URI":"LINK"  },  {  "id": "370b8241-484b-4314-af76-58dcb309ddb8",  "courseId":"ff5f9250-b19d-461a-8c6b-1102eca5dd43",  "description":"This is a simple pdf number 2",  "type": "1",  "URI":"LINK"  }]  } } |
| --- |

### 

### Delete Post in a course

Type: Post  
Path: /courses/{id}/delete-post/{id}

Details: users who created the post can edit it.  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "user",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"privileged-user-delete-post",  },  "object":{  "id":"e792e71f-0660-4a63-809f-4bf4a26b4276"",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Post Data"   }  }  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"post-deleted-successfully",  },  "object":{  "id":"e792e71f-0660-4a63-809f-4bf4a26b4276",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Post Data"   }  }  } } |
| --- |

### 

### User Comments on a post

Type: Post  
Path: /posts/{id}

Details: only privileged user can comment on posts  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "user",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"privileged-user-comments-on-post",  },  "object":{  "id":"ff5f9250-b19d-461a-8c6b-1102eca5dd43",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Post Data"   }  }  },  "context":{  "comment":{  "id": "e792e71f-0660-4a63-809f-4bf4a26b4276",  "postedBy": "4970e877-04f6-47d2-83aa-b43003beb9a1",  "postedOn":"2015-11-18T12:17:00+00:00",  "content":"This is a comment"  }  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"comment-created-successfully",  },  "object":{  "id":"e792e71f-0660-4a63-809f-4bf4a26b4276",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Post Data"   }  }  },  "context":{  "comment":{  "id": "e792e71f-0660-4a63-809f-4bf4a26b4276",  "postedBy": "4970e877-04f6-47d2-83aa-b43003beb9a1",  "postedOn":"2015-11-18T12:17:00+00:00",  "content":"This is a comment"  }  } } |
| --- |

### 

### User updates a comment

Type: Post  
Path: /posts/{id}/update-comment/{id}

Details: only privileged users can edit commets  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "user",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"privileged-user-updates-comment",  },  "object":{  "id":"e792e71f-0660-4a63-809f-4bf4a26b4276",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Comment Data"   }  }  },  "context":{  "comment":{  "id": "e792e71f-0660-4a63-809f-4bf4a26b4276",  "postedBy": "4970e877-04f6-47d2-83aa-b43003beb9a1",  "postedOn":"2015-11-18T12:17:00+00:00",  "content":"This is an edited comment"  }  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"comment-updated-successfully",  },  "object":{  "id":"e792e71f-0660-4a63-809f-4bf4a26b4276",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Post Data"   }  }  },  "context":{  "comment":{  "id": "e792e71f-0660-4a63-809f-4bf4a26b4276",  "postedBy": "4970e877-04f6-47d2-83aa-b43003beb9a1",  "postedOn":"2015-11-18T12:17:00+00:00",  "content":"This is an edited comment",  "editedOn": "2015-11-18T12:17:00+00:00",  }  } } |
| --- |

### 

### Used deletes a comment

Type: Post  
Path: /posts/{id}/delete-comment/{id}

Details: only privileged users can delete comments  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "user",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"privileged-user-deletes-comment",  },  "object":{  "id":"e792e71f-0660-4a63-809f-4bf4a26b4276",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Comment Data"   }  }  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"comment-deleted-successfully",  },  "object":{  "id":"e792e71f-0660-4a63-809f-4bf4a26b4276",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Post Data"   }  }  } } |
| --- |

### 

### Get Roles List in course

Type: Post  
Path: /course/{id}/roles  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "user",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "Id-enum":"get-roles-list-in-course",  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Course Data"   }  }  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"sent-partial-course-data-successfully",  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Course Role list"   }  }  },  "context":{  "roles":[{  "courseId": "ec1d1512-5712-4a22-99d8-161dc829fbd2",  "roleCode": "269984",  "role": "T.A",  "level": "2",   "privileges": ["2","3"]  },{  "courseId": "ec1d1512-5712-4a22-99d8-161dc829fbd2",  "roleCode": "546789",  "role": "Teacher",  "level": "1",   "privileges": ["1","2","3","4",5","6"]  }],  "privileges":[{  "privilegeCode":"3",  "Description":   "Delete posts of users with the same and lower-level roles"  },{  "privilegeCode":"2",  "Description":   "Edit posts of use with the same and lower-level roles"  },...........]  } } |
| --- |

### 

### Get Privileges list

Type: Post  
Path: /privileges/list  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "user",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"get-privileges-list",  },  "object":{  "id":"null",  "objectType": "Activity"  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"sent-system-privileges-list",  },  "object":{  "id":”null”,  "objectType": "Activity",  "definition":{  "name":{   "en-US":"system privileges list"   }  }  },  "context":{  "privileges":[{  "privilegeCode":"3",  "Description":   "Delete posts of users with the same and lower-level roles"  },{  "privilegeCode":"2",  "Description":   "Edit posts of use with the same and lower-level roles"  },...........]  } } |
| --- |

### 

### Get privileges list by course and user

Type: Post  
Path: /course/{id}/Privileges  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "user",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"get-privileges-list-for-user",  },  "object":{  "id":  ["e792e71f-0660-4a63-809f-4bf4a26b4276","4970e877-04f6-47d2-83aa-b43003beb9a1"],  "objectType": "Group",  "definition":{  "name":{   "en-US":"Course and user Data"   }  }  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"sent-partial-course-data-successfully",  },  "object":{  "id": ["e792e71f-0660-4a63-809f-4bf4a26b4276","4970e877-04f6-47d2-83aa-b43003beb9a1"],  "objectType": "Group",  "definition":{  "name":{   "en-US":"Course and user Data"   }  }  },  "context":{  "privileges":[{  "privilegeCode":"3",  "Description":   "Delete posts of users with the same and lower-level roles"  },{  "privilegeCode":"2",  "Description":   "Edit posts of use with the same and lower-level roles"  }]  } } |
| --- |

### 

### Teacher Creates Quiz in a course

Type: Post  
Path: /courses/{id}/create-quiz

Details: only privileged user can create quizzes  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "user",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"privileged-user-create-quiz-in-course",  },  "object":{  "id":"ff5f9250-b19d-461a-8c6b-1102eca5dd43",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"course Data"   }  }  },  "context":{  "quiz":{  "id": "1a0e5d6e-ebba-41bf-b8d2-34af28785cb0",  "courseId":"ff5f9250-b19d-461a-8c6b-1102eca5dd43",  "questions": ["9a3bf4e3-6483-4eaf-a2bc-9aa204147073","48df9c58-85a8-43b3-8640-7aa2388a6b75"],  "retries": "5",  "duration": "PT1H",  "closeOn": "2015-11-18T12:17:00+00:00",  "showGradeAfter": "true",  "showWrongAnswersAfter": "true",  "showCorrectAnswersAfter":"false"  },  "questions":[{  "id": "9a3bf4e3-6483-4eaf-a2bc-9aa204147073",  "question": " What methodology is iterative? ",  "options": ["waterfall", "Agile", "W3DT"],  "answer": "Agile",  "weight": "4"  },{  "id": "48df9c58-85a8-43b3-8640-7aa2388a6b75",  "question": " What methodology is NOT iterative? ",  "options": ["waterfall", "Agile", "W3DT"],  "answer": "waterfall",  "weight": "2"  }]  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"quiz-created-successfully",  },  "object":{  "id":"e792e71f-0660-4a63-809f-4bf4a26b4276",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Quiz Data"   }  }  },  "context":{  "quiz":{  "id": "1a0e5d6e-ebba-41bf-b8d2-34af28785cb0",  "courseId":"ff5f9250-b19d-461a-8c6b-1102eca5dd43",  "questions": ["9a3bf4e3-6483-4eaf-a2bc-9aa204147073","48df9c58-85a8-43b3-8640-7aa2388a6b75"],  "retries": "5",  "duration": "PT1H",  "closeOn": "2015-11-18T12:17:00+00:00",  "showGradeAfter": "true",  "showWrongAnswersAfter": "true",  "showCorrectAnswersAfter":"false"  },  "questions":[{  "id": "9a3bf4e3-6483-4eaf-a2bc-9aa204147073",  "question": " What methodology is iterative? ",  "options": ["waterfall", "Agile", "W3DT"],  "answer": "Agile",  "weight": "4"  },{  "id": "48df9c58-85a8-43b3-8640-7aa2388a6b75",  "question": " What methodology is NOT iterative? ",  "options": ["waterfall", "Agile", "W3DT"],  "answer": "waterfall",  "weight": "2"  }]  } } |
| --- |

### 

### Student Submit Assignment

### 

### Student accesses Quiz

Type: Post  
Path: /courses/{id}/quiz/{id}  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "user",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"access-quiz-in-course",  },  "object":{  "id":"1a0e5d6e-ebba-41bf-b8d2-34af28785cb0",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Quiz Data"   }  }  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"sent-partial-course-data-successfully",  },  "object":{  "id":"1a0e5d6e-ebba-41bf-b8d2-34af28785cb0",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Quiz Data"   }  }  },  "context":{  "quiz":{  "id": "1a0e5d6e-ebba-41bf-b8d2-34af28785cb0",  "courseId":"ff5f9250-b19d-461a-8c6b-1102eca5dd43",  "questions": ["9a3bf4e3-6483-4eaf-a2bc-9aa204147073","48df9c58-85a8-43b3-8640-7aa2388a6b75"],  "retries": "5",  "duration": "PT1H",  "closeOn": "2015-11-18T12:17:00+00:00",  "showGradeAfter": "true",  "showWrongAnswersAfter": "true",  "showCorrectAnswersAfter":"false"  },  "questions":[{  "id": "9a3bf4e3-6483-4eaf-a2bc-9aa204147073",  "question": " What methodology is iterative? ",  "options": ["waterfall", "Agile", "W3DT"],  "weight": "4"  },{  "id": "48df9c58-85a8-43b3-8640-7aa2388a6b75",  "question": " What methodology is NOT iterative? ",  "options": ["waterfall", "Agile", "W3DT"],  "weight": "2"  }]  } } |
| --- |

### 

### Student Submit Quiz

Type: Post  
Path: /courses/{id}/quiz/{id}  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "user",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"submit-quiz-in-course",  },  "object":{  "id":"1a0e5d6e-ebba-41bf-b8d2-34af28785cb0",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Quiz Data"   }  }  },  "context":{  "questions":[{  "id": "9a3bf4e3-6483-4eaf-a2bc-9aa204147073",  "answer": "Agile"  },{  "id": "48df9c58-85a8-43b3-8640-7aa2388a6b75",  "answer":"W3DT"  }]  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"quiz-submitted-successfully",  },  "object":{  "id":"null",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"user Quiz submission Data"   }  }  },  "context":{  "quiz":{  "id": "1a0e5d6e-ebba-41bf-b8d2-34af28785cb0",  "courseId":"ff5f9250-b19d-461a-8c6b-1102eca5dd43",  "questions": ["9a3bf4e3-6483-4eaf-a2bc-9aa204147073","48df9c58-85a8-43b3-8640-7aa2388a6b75"],  "retries": "5",  "duration": "PT1H",  "closeOn": "2015-11-18T12:17:00+00:00",  "showGradeAfter": "true",  "showWrongAnswersAfter": "true",  "showCorrectAnswersAfter":"false"  },  "questions":[{  "id": "9a3bf4e3-6483-4eaf-a2bc-9aa204147073",  "question": " What methodology is iterative? ",  "options": ["waterfall", "Agile", "W3DT"],  "weight": "4"  },{  "id": "48df9c58-85a8-43b3-8640-7aa2388a6b75",  "question": " What methodology is NOT iterative? ",  "options": ["waterfall", "Agile", "W3DT"],  "weight": "2"  }],  "grade":{  "quizId": "ff5f9250-b19d-461a-8c6b-1102eca5dd43",  "userId": "4970e877-04f6-47d2-83aa-b43003beb9a1",  "courseId": "ff5f9250-b19d-461a-8c6b-1102eca5dd43",  "studentAnswers": [{  "question":"9a3bf4e3-6483-4eaf-a2bc-9aa204147073",  "answer":"Agile"},{  "question":"48df9c58-85a8-43b3-8640-7aa2388a6b75",  "answer":"Waterfall"}],  "score":{  FinalGrade: "4.0",  "scaled":"0.67"  },  "maxGrade": "6.0",  "success":"true",  "completion":"true",  "duration": "PT12M34.15S"  }  } } |
| --- |

### 

### Teacher Create course role

Type: Post  
Path: /course/{id}/create-role

Details: only privileged user can create a role  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "user",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"privileged-user-creates-role-in-course",  },  "object":{  "id":"ec1d1512-5712-4a22-99d8-161dc829fbd2",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Course Data"   }  }  },  "context":{  "role":{  "courseId": "ec1d1512-5712-4a22-99d8-161dc829fbd2",  "roleCode": "269984",  "role": "T.A",  "level": "2",   "privileges": ["2","3"]  }  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"role-created-successfully",  },  "object":{  "id":"e792e71f-0660-4a63-809f-4bf4a26b4276",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Post Data"   }  }  },  "context":{  "role":{  "courseId": "ec1d1512-5712-4a22-99d8-161dc829fbd2",  "roleCode": "269984",  "role": "T.A",  "level": "2",   "privileges": ["2","3"]  }  } } |
| --- |

### 

### Teacher Update course role

Type: Post  
Path: /course/{id}/update-role/{id}

Details: only privileged user can update a role  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "user",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"privileged-user-update-role-in-course",  },  "object":{  "id":"ec1d1512-5712-4a22-99d8-161dc829fbd2",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Role Data"   }  }  },  "context":{  "role":{  "courseId": "ec1d1512-5712-4a22-99d8-161dc829fbd2",  "roleCode": "269984",  "role": "Teacher Assistant",  "level": "2",   "privileges": ["2","3",”7”]  }  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"role-updated-successfully",  },  "object":{  "id":"ec1d1512-5712-4a22-99d8-161dc829fbd2",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Role Data"   }  }  },  "context":{  "role":{  "courseId": "ec1d1512-5712-4a22-99d8-161dc829fbd2",  "roleCode": "269984",  "role": "Teacher Assistant",  "level": "2",   "privileges": ["2","3",”7”]  }  } } |
| --- |

### 

### Teacher Deletes course role

Path: /course/{id}/delete-role/{id}

Details: only privileged user can delete a role AND when the teacher deletes a role which a user has. The user will be defaulted to a student with basic privileges, aka a student role.  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "user",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"privileged-user-delete-role-in-course",  },  "object":{  "id":"ec1d1512-5712-4a22-99d8-161dc829fbd2",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Role Data"   }  }  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"role-deleted-successfully",  },  "object":{  "id":"ec1d1512-5712-4a22-99d8-161dc829fbd2",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"Role Data"   }  }  } } |
| --- |

### 

### Privileged users assign roles

Path: /course/{id}/assign-role/{user id}

Details: only privileged users can assign a role.  
Example request body:

| {    "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "admin",  "id": "4970e877-04f6-47d2-83aa-b43003beb9a1",  },  "verb":{  "id-enum":"privileged-user-assigns-role-in-course",  },  "object":{  "id": "fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Agent",  "definition":{  "name":{   "en-US": "Role and User Data"   }  }  },  "context":{  "role":{  "courseId": "ec1d1512-5712-4a22-99d8-161dc829fbd2",  "roleCode": "269984",  "role": "Teacher Assistant",  "level": "2",   "privileges": ["2","3","7"]  }  } } |
| --- |

Expected response:

| {  "id":"ea0c8967-bddb-4d8e-94f0-f4a1766f5e2c",  "timestamp": "2015-11-18T12:17:00+00:00",  "actor":{  "name": "server",  "id": "null",  "requestBy":"4970e877-04f6-47d2-83aa-b43003beb9a1"  },  "verb":{  "id-enum":"role-assigned-successfully",  },  "object":{  "id":"fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "objectType": "Activity",  "definition":{  "name":{   "en-US":"User Data"   }  }  },  "context":{  "role":{  "courseId": "ec1d1512-5712-4a22-99d8-161dc829fbd2",  "roleCode": "269984",  "role": "Teacher Assistant",  "level": "2",   "privileges": ["2","3","7"]  },  "user":{  "name":"Ahmed Hamad",  "id": "fb6fe636-d462-4ccf-ad3e-b8a132a254f8",  "assignedId":"20200458",  "email":"ahmed459@gmail.com",  "avatar": "LINK",  "courses": ["4970e877-04f6-47d2-83aa-b43003beb9a1","3f2c92a1-5e60-4305-83b2-ed9159d3deb1"]  }  } } |
| --- |

### 

### User submits ticket

### Admin updates ticket status