

# NASM API

## curl cmd:

login (GET cookie) (一組帳號同時只會有一個session所以API在操作web的session就會過期)(所以再建一組給來測API,WEB用admin登入才不會被踢出)

```
curl -k -D cookie https://apitest:apitest@192.168.81.188:8443/airframe/main/v1/login
```

/systemInfo/system (GET)

```
curl -k -b cookie https://192.168.81.188:8443/airframe/main/v1/systemInfo/system
```

/user/all (GET)

```
curl -k -b cookie https://192.168.81.188:8443/airframe/main/v1/user/all
```

/user/current (GET)

```
curl -k -b cookie https://192.168.81.188:8443/airframe/main/v1/user/current
```

/current/permissions (GET)

```
curl -k -b cookie https://192.168.81.188:8443/airframe/main/v1/user/current/permissions
```

/create/local (POST) (admin) ("enabled":true)

```
curl -k -b cookie -X POST 'https://192.168.81.188:8443/airframe/main/v1/user/create/local' -d
```

```
'{"username":"apiadmin","password":"apiadmin","userGroup":"admin","email":"apiadmin@quanta.com","enabled":true}' -H
```

```
'Content-Type: application/json' -i
```

/create/local (POST) (user) ("enabled":true)

```
curl -k -b cookie -X POST 'https://192.168.81.188:8443/airframe/main/v1/user/create/local' -d  
'{"username":"apiuser","password":"apiuser","userGroup":"user","email":"apiuser@quanta.com","enabled":true}' -H 'Content-Type:  
application/json' -i
```

/create/local (POST) (admin) ("enabled":false)

```
curl -k -b cookie -X POST 'https://192.168.81.188:8443/airframe/main/v1/user/create/local' -d  
'{"username":"apiadminf","password":"apiadminf","userGroup":"admin","email":"apiadminf@quanta.com","enabled":false}' -H  
'Content-Type: application/json' -i
```

/create/local (POST) (user) ("enabled":false)

```
curl -k -b cookie -X POST 'https://192.168.81.188:8443/airframe/main/v1/user/create/local' -d  
'{"username":"apiuserf","password":"apiuserf","userGroup":"user","email":"apiuserf@quanta.com","enabled":false}' -H 'Content-Type:  
application/json' -i
```

# User

Use following command to login NASM by admin  
curl -k 'https://192.168.86.4:8443/airframe/main/v1/login' -u admin:admin -i -D admin\_cookie

## Get all users

1.

Could use API to get all user (admin and monitoring) after new install NASM			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XGET 'https://192.168.86.4:8443/airframe/main/v1/user/all' -b admin_cookie -i	200	<pre>"username": "admin" "username": "monitoring" 1 { 4   "items": { 6     "properties": { 7       "authMethod": { 8         "type": "string" 9       }, 10      "displayName": { 11        "type": "string" 12      }, 13      "email": { 14        "type": "string" 15      }, 16      "enabled": { 17        "type": "boolean" 18      }, 19      "groups": { 20        "items": { 21          "type": "string" 22        }, 23        "type": "array" 24      }, 25      "oldPassword": { 26        "type": "string" 27      }, 34      "password": { 35        "type": "string" 36      }, 37      "userGroup": { 38        "type": "string" 39      }, 40      "userId": { 41        "type": "integer" 42      }, </pre>	

		<pre>43     "username": { 44         "type": "string" 45     }, 46     "type": "object" 47 }, 48 "type": "array" 49 } 50 }</pre>	
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2.

Could use API to get user which create by API in list			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/create/local' -b admin_cookie -i -d '{"userGroup":"admin", "email":"tester@quantatw.com", "username":"tester", "enabled":true, "password":"tester"}' -H 'Content-Type: application/json'	200		userId
curl -k -XGET 'https://192.168.86.4:8443/airframe/main/v1/user/all' -b admin_cookie -i	200	"userGroup":"admin" "email":"tester@quantatw.com" "username": "tester" "enabled":true <pre>1 { 4   "items": { 6     "properties": { 7       "authMethod": { 8         "type": "string" 9       }, 10      "displayName": { 11        "type": "string" 12      }, 13      "email": { 14        "type": "string" 15      }, 16      "enabled": { 17        "type": "boolean"</pre>	

		<pre>18 }, 19   "groups": { 20     "items": { 21       "type": "string" 22     }, 23     "type": "array" 24   }, 25   "oldPassword": { 26     "type": "string" 27   }, 34   "password": { 35     "type": "string" 36   }, 37   "userGroup": { 38     "type": "string" 39   }, 40   "userId": { 41     "type": "integer" 42   }, 43   "username": { 44     "type": "string" 45   } 46 }, 47 "type": "object" 48 }, 49 "type": "array" 50 }</pre>	
<code>curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/&lt;userId&gt;' -b admin_cookie -i</code>	204		

Create local user

1.

Could use API to create new user			
CMD	check HTTP Status Code	check response	save response Json object to variable

<pre>curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/create/local' -b admin_cookie -i -d '{"userGroup":"admin", "email":"tester@quantatw.com", "username":"tester", "enabled":true, "password":"tester", "displayName":"tester"}' -H 'Content-Type: application/json'</pre>	200	<pre>1 { 5  "properties": { 6    "userId": { 7      "type": "integer" 8    } 9  }, 10 "type": "object" 11 }</pre>	userId
<pre>curl -k -XGET 'https://192.168.86.4:8443/airframe/main/v1/user/&lt;userId&gt;' -b admin_cookie -i</pre>	200	<pre>"userGroup":"admin" "email":"<a href="mailto:tester@quantatw.com">tester@quantatw.com</a>" "username":"tester" "enabled":true "displayName":"tester"</pre>	
<pre>curl -k 'https://192.168.86.4:8443/airframe/main/v1/login' -u tester:tester -i</pre>	200		
<pre>curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/&lt;userId&gt;' -b admin_cookie -i</pre>	204		

2.

Could use API to create new user with enabled false			
CMD	check HTTP Status Code	check response	save response Json object to variable

<pre>curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/create/local' -b admin_cookie -i -d '{"userGroup":"admin", "email":"tester@quantatw.com", "username":"tester", "enabled":false, "password":"tester", "displayName":"tester"}' -H 'Content-Type: application/json'</pre>	200	<pre>1 { 5  "properties": { 6    "userId": { 7      "type": "integer" 8    } 9  }, 10 "type": "object" 11 }</pre>	userId
<pre>curl -k -XGET 'https://192.168.86.219:8443/airframe/main/v1/user/&lt;userId&gt;' -b admin_cookie-i</pre>	200	<pre>"userGroup":"admin" "email":"<a href="mailto:tester@quantatw.com">tester@quantatw.com</a>" "username":"tester" "enabled":false "displayName":"tester"</pre>	
<pre>curl -k 'https://192.168.86.4:8443/airframe/main/v1/login' -u tester:tester -i</pre>	403		
<pre>curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/&lt;userId&gt;' -b admin_cookie -i</pre>	204		

3.

Could not use API to create new user without require value userGroup			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/create/local' -b admin_cookie -i -d '{"username":"tester", "enabled":true, "password":"tester"}' -H 'Content-Type: application/json'	400	{"message":"[userGroup.empty] userGroup is required"}	

4.

Could not use API to create new user without require value username			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/create/local' -b admin_cookie -i -d '{"userGroup":"admin", "enabled":true, "password":"tester"}' -H 'Content-Type: application/json'	400	{"message":"[username.empty] username is required"}	



5.

Could not use API to create new user without require value enabled			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/create/local' -b admin_cookie -i -d '{"userGroup":"admin", "username":"tester", "password":"tester"}' -H 'Content-Type: application/json'	400	{"message":"[enabled.empty] enabled is required"}	

6.

Could not use API to create new user without require value password			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/create/local' -b admin_cookie -i -d '{"userGroup":"admin", "username":"tester", "enabled":true}' -H 'Content-Type: application/json'	400	{"message":"[password.empty] password is required"}	

7.

Could not use API to create new user with not exist userGroup
---

CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/create/local' -b admin_cookie -i -d '{"userGroup":"notExistUserGroup", "username":"tester", "enabled":true, "password":"tester"}' -H 'Content-Type: application/json'	400	{"message":"Group name [notExistUserGroup] is not found."}	

8.

Could not use API to create duplicate user			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/create/local' -b admin_cookie -i -d '{"userGroup":"admin", "username":"tester", "enabled":true, "password":"tester"}' -H 'Content-Type: application/json'	200		userId

curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/create/local' -b admin_cookie -i -d '{"userGroup":"admin", "username":"tester", "enabled":true, "password":"tester"}' -H 'Content-Type: application/json'	400	{"message":"User [tester] already exist, ignore creating user account."}	
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/<u serId>' -b admin_cookie -i	204		

Update current user

1.

Could use API to update current user			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/create/local' -b admin_cookie -i -d '{"userGroup":"admin", "email":"tester@quantatw.com", "username":"tester", "enabled":true, "password":"tester", "displayName":"tester"}' -H 'Content-Type: application/json'	200		userId
curl -k 'https://192.168.86.4:8443/airframe/main/v1/login' -u tester:tester -i -D tester_cookie	200		

curl -k -XPUT 'https://192.168.86.4:8443/airframe/main/v1/user/current' -b tester_cookie -H 'Content-Type: application/json' -d '{"displayName":"newuser"}' -i	204		
curl -k -XGET 'https://192.168.86.4:8443/airframe/main/v1/user/current' -b tester_cookie -i	200	"userGroup":"admin" "email":" <a href="mailto:tester@quantatw.com">tester@quantatw.com</a> " "username":"tester" "enabled":true "displayName":"newuser"	
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/<userId>' -b admin_cookie -i	204		

2.

Could use API to update current user with empty object			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/create/local' -b admin_cookie -i -d '{"userGroup":"admin", "email":"tester@quantatw.com", "username":"tester", "enabled":true, "password":"tester", "displayName":"tester"}' -H 'Content-Type: application/json'	200		userId

<pre>curl -k 'https://192.168.86.4:8443/airframe/main/v1/login' -u tester:tester -i -D tester_cookie</pre>	200		
<pre>curl -k -XPUT 'https://192.168.86.4:8443/airframe/main/v1/user/cu rrent' -b admin_cookie -H 'Content-Type: application/json' -d '{}'</pre>	204		
<pre>curl -k -XGET 'https://192.168.86.4:8443/airframe/main/v1/user/cu rrent' -b tester_cookie -i</pre>	200	<pre>"userGroup":"admin" "email":"<a href="mailto:tester@quantatw.com">tester@quantatw.com</a>" "username":"tester" "enabled":true "displayName":"tester" 1 { 5   "properties": { 6     "authMethod": { 7       "type": "string" 8     }, 9     "displayName": { 10      "type": "string" 11    }, 12    "email": { 13      "type": "string" 14    }, 15    "enabled": { 16      "type": "boolean" 17    }, 18    "groups": { 20     "items": { 21       "type": "string" 22     }, 23     "type": "array" 24   }, 25   "oldPassword": { 26     "type": "string" 27   }, 34   "password": { 35     "type": "string" 36   }, 37   "userGroup": { 38     "type": "string" 39   }, 40   "userId": { 41     "type": "integer"</pre>	

		<pre>42 }, 43 "username": { 44   "type": "string" 45 } 46 }, 47 "type": "object" 48 }</pre>	
<code>curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/&lt;userId&gt;' -b admin_cookie -i</code>	204		

Get current user’s info

1.

Could use API to get current user			
CMD	check HTTP Status Code	check response	save response Json object to variable
<code>curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/create/local' -b admin_cookie -i -d '{"userGroup":"admin", "email":"tester@quantatw.com", "username":"tester", "enabled":true, "password":"tester", "displayName":"tester"}' -H 'Content-Type: application/json'</code>	200		userId
<code>curl -k 'https://192.168.86.4:8443/airframe/main/v1/login' -u tester:tester -i -D tester_cookie</code>	200		

curl -k -XGET 'https://192.168.86.4:8443/airframe/main/v1/user/current' -b tester_cookie -i	200	"userGroup":"admin" "email":" <a href="mailto:tester@quantatw.com">tester@quantatw.com</a> " "username":"tester" "enabled":true "displayName":"tester"	
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/<userId>' -b admin_cookie -i	204		

Get current user’s permission list

1.

Could use API to get current user’s permission list - admin			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XGET 'https://192.168.86.4:8443/airframe/main/v1/user/current/permissions' -b admin_cookie -i	200	AD_BA_FOR_R, AD_BA_FOR_W, AD_BA_R, AD_R, AD_SY_FOR_R, AD_SY_FOR_W, AD_SY_R, AD_US_R, AD_US_TAB_R, AD_US_TAB_W, AD_VI_R, AD_VI_TAB_R, AD_VI_TAB_W, DA_DA_WID_R, DA_R, EV_AL_R, EV_AL_TAB_R, EV_AL_TAB_W, EV_EV_R, EV_EV_TAB_R, EV_EV_TAB_W, EV_R, MA_DI_R, MA_DI_TAB_R, MA_DI_TAB_W, MA_HI_CFG_R, MA_HI_CFG_W, MA_HI_CTL_R, MA_HI_CTL_W, MA_HI_EXP_R, MA_HI_INV_R, MA_HI_KVM_R, MA_HI_PSU_R, MA_HI_R, MA_HI_TER_R, MA_HI_THR_R, MA_HI_THR_W, MA_HI_UNT_R, MA_HI_UNT_W, MA_HI_VER_R, MA_HI_VER_W, MA_HI_WEB_R, MA_IM_FOR_R, MA_IM_FOR_W, MA_IM_R, MA_R	

Update user

1.

Could use API to update user			
CMD	check HTTP Status Code	check response	save response Json object to variable
<b>curl -k -XPOST</b> <b>'https://192.168.86.4:8443/airframe/main/v1/user/create/local' -b admin_cookie -i -d</b> <b>{ "userGroup": "admin",</b> <b>"email": "tester@quantatw.com",</b> <b>"username": "tester", "enabled": true,</b> <b>"password": "tester", "displayName": "tester" }' -H</b> <b>'Content-Type: application/json'</b>	200		userId
<b>curl -k -XPUT</b> <b>'https://192.168.86.4:8443/airframe/main/v1/user/&lt;userId&gt;' -b admin_cookie -d</b> <b>{ "displayName": "newuser",</b> <b>"email": "update@quantatw.com",</b> <b>"userGroup": "user" }' -i -H 'Content-Type:</b> <b>application/json'</b>	204		
<b>curl -k -XGET</b> <b>'https://192.168.86.4:8443/airframe/main/v1/user/&lt;userId&gt;' -b admin_cookie -i</b>	200	<b>"userGroup": "user"</b> <b>"email": "update@quantatw.com"</b> <b>"username": "tester"</b> <b>"enabled": true</b> <b>"displayName": "newuser"</b>	
<b>curl -k -XDELETE</b> <b>'https://192.168.86.4:8443/airframe/main/v1/user/&lt;userId&gt;' -b admin_cookie -i</b>	204		



2.

Could use API to update user with empty object			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/create/local' -b admin_cookie -i -d '{"userGroup":"admin", "email":"tester@quantatw.com", "username":"tester", "enabled":true, "password":"tester", "displayName":"tester"}' -H 'Content-Type: application/json'	200		userId
curl -k -XPUT 'https://192.168.86.4:8443/airframe/main/v1/user/<userId>' -b admin_cookie -d '{} ' -i -H 'Content-Type: application/json'			
curl -k -XGET 'https://192.168.86.4:8443/airframe/main/v1/user/<userId>' -b admin_cookie -i		"userGroup":"admin" "email":"tester@quantatw.com" "username":"tester" "enabled":true "displayName":"tester"	
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/<userId>' -b admin_cookie -i	204		

3.

Could use API to update user (disable user)			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/create/local' -b admin_cookie -i -d '{"userGroup":"admin", "email":"tester@quantatw.com", "username":"tester", "enabled":true, "password":"tester", "displayName":"tester"}' -H 'Content-Type: application/json'	200		userId
curl -k -XPUT 'https://192.168.86.4:8443/airframe/main/v1/user/<userId>' -b admin_cookie -d '{"enabled":false}' -i -H 'Content-Type: application/json'	204		
curl -k 'https://192.168.86.4:8443/airframe/main/v1/login' -u tester:tester -i	403		
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/<userId>' -b admin_cookie -i	204		

4.

Could use API to update user’s password
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CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/create/local' -b admin_cookie -i -d '{"userGroup":"admin", "email":"tester@quantatw.com", "username":"tester", "enabled":true, "password":"tester", "displayName":"tester"}' -H 'Content-Type: application/json'	200		userId
curl -k -XPUT 'https://192.168.86.4:8443/airframe/main/v1/user/<userId>' -b admin_cookie -d '{"oldPassword":"tester", "password":"newtester"}' -i -H 'Content-Type: application/json'	204		
curl -k 'https://192.168.86.4:8443/airframe/main/v1/login' -u tester:tester -i	403		
curl -k 'https://192.168.86.4:8443/airframe/main/v1/login' -u tester: newtester -i	200		
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/<userId>' -b admin_cookie -i	204		

5.

Could not use API to update user with not exist userId			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPUT 'https://192.168.86.4:8443/airframe/main/v1/user/10000' -b admin_cookie -d '{} ' -i -H 'Content-Type: application/json'	400	{"message":"User id is not found."}	

6.

Could not use API to update user admin to other group			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPUT 'https://192.168.86.4:8443/airframe/main/v1/user/1' -b admin_cookie -i -d '{"userGroup":"user"}' -H 'Content-Type: application/json'	400	{"message":"Can not change User[admin] to other group"}	

7.

Could not use API to update user monitoring to other group			
CMD	check HTTP Status Code	check response	save response

			Json object to variable
curl -k -XPUT 'https://192.168.86.4:8443/airframe/main/v1/user/2' -b admin_cookie -i -d '{"userGroup":"admin"}' -H 'Content-Type: application/json'	400	{"message":"Can not change User[monitoring] to other group"}	

Delete user by id

1.

Could use API to delete user			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/create/local' -b admin_cookie -i -d '{"userGroup":"admin", "email":"tester@quantatw.com", "username":"tester", "enabled":true, "password":"tester", "displayName":"tester"}' -H 'Content-Type: application/json'	200		userId
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/<userId>' -b admin_cookie -i	204		
curl -k 'https://192.168.86.4:8443/airframe/main/v1/login' -u tester: tester -i	403		

2.

Could not use API to duplicate delete user			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/create/local' -b admin_cookie -i -d '{"userGroup":"admin", "email":"tester@quantatw.com", "username":"tester", "enabled":true, "password":"tester", "displayName":"tester"}' -H 'Content-Type: application/json'	200		userId
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/<userId>' -b admin_cookie -i	204		
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/<userId>' -b admin_cookie -i	400	{"message":"User id [<userId>] is not found."}	

3.

Could not use API to delete not exist userId			
CMD	check HTTP Status Code	check response	save response Json object to variable

<b>curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/11000' -b admin_cookie -i</b>	<b>400</b>	<b>{"message":"User id [11000] is not found."}</b>	
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4.

<b>Could not use API to delete default user admin</b>			
<b>CMD</b>	<b>check HTTP Status Code</b>	<b>check response</b>	<b>save response Json object to variable</b>
<b>curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/1' -b admin_cookie -i</b>	<b>400</b>	<b>{"message":"Delete default admin is not allowed."}</b>	

5.

<b>Could not use API to delete default user monitoring</b>			
<b>CMD</b>	<b>check HTTP Status Code</b>	<b>check response</b>	<b>save response Json object to variable</b>
<b>curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/2' -b admin_cookie -i</b>	<b>400</b>	<b>{"message":"Delete default monitoring is not allowed."}</b>	

**Get user by id**

1.

<b>Could use API to get user info</b>
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CMD	check HTTP Status Code	check response	save response Json object to variable
<pre>curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/create/local' -b admin_cookie -i -d  '{"userGroup":"admin",  "email":"tester@quantatw.com",  "username":"tester", "enabled":true,  "password":"tester", "displayName":"tester"}' -H  'Content-Type: application/json'</pre>	200		userId
<pre>curl -k -XGET 'https://192.168.86.4:8443/airframe/main/v1/user/&lt;userId&gt;' -b admin_cookie -i</pre>	200	<pre>"userGroup":"admin" "email":"tester@quantatw.com" "username":"tester" "enabled":true "displayName":"tester" 1 { 5  "properties": { 6    "authMethod": { 7      "type": "string" 8    }, 9    "displayName": { 10     "type": "string" 11   }, 12   "email": { 13     "type": "string" 14   }, 15   "enabled": { 16     "type": "boolean" 17   }, 18   "groups": { 19     "items": { 20       "type": "string" 21     }, 22   }, 23   "type": "array" 24 }, 25 "oldPassword": { 26   "type": "string" 27 },</pre>	



		<pre>34  "password": { 35    "type": "string" 36  }, 37  "userGroup": { 38    "type": "string" 39  }, 40  "userId": { 41    "type": "integer" 42  }, 43  "username": { 44    "type": "string" 45  } 46 }, 47 "type": "object" 48 }</pre>	
<b>curl -k -XDELETE</b> <b>'https://192.168.86.4:8443/airframe/main/v1/user/&lt;u</b> <b>serId&gt;' -b admin_cookie -i</b>	<b>204</b>		

2.

<b>Could not use API to get not exist user info</b>			
<b>CMD</b>	<b>check HTTP Status Code</b>	<b>check response</b>	<b>save response Json object to variable</b>
<b>curl -k -XGET</b> <b>'https://192.168.86.4:8443/airframe/main/v1/user/11</b> <b>0' -b admin_cookie -i</b>	<b>400</b>	<b>{"message":"User id [1100] is not found."}</b>	

3.

<b>Could not use API to get deleted user info</b>			
<b>CMD</b>	<b>check HTTP Status Code</b>	<b>check response</b>	<b>save response</b>

			Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/create/local' -b admin_cookie -i -d '{"userGroup":"admin", "email":"tester@quantatw.com", "username":"tester", "enabled":true, "password":"tester", "displayName":"tester"}' -H 'Content-Type: application/json'	200		userId
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/<userId>' -b admin_cookie -i	204		
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/<userId>' -b admin_cookie -i	400	{"message":"User id [<userId>] is not found."}	

Create user group

1.

Could use API to create user group with group type ADMIN			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/group/create' -b admin_cookie -i -H 'Content-Type: application/json' -d '{"groupName":"newgroup",	200	<pre>1 { 5  "properties": { 6    "groupId": { 7      "type": "integer" 8    } 9  },</pre>	groupId

"groupDescription":"Description of newgroup", "groupAuthorities":["ADMIN"]}]}		10 "type": "object" 11 }	
curl -k -XGET 'https://192.168.86.4:8443/airframe/main/v1/user/grouplist' -b admin_cookie -i	200	"groupId":"<groupId>" "groupName":"newgroup" "groupDescription":"Description of newgroup" "groupAuthorities":["ROLE_ADMIN"]	
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/group/<groupId>' -b admin_cookie -i	204		

2.

Could use API to create user group with group type USER			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/group/create' -b admin_cookie -i -H 'Content-Type: application/json' -d '{"groupName":"newgroup", "groupDescription":"Description of newgroup", "groupAuthorities":["USER"]}]}	200	1 { 5 "properties": { 6 "groupId": { 7 "type": "integer" 8 } 9 }, 10 "type": "object" 11 }	groupId
curl -k -XGET 'https://192.168.86.4:8443/airframe/main/v1/user/grouplist' -b admin_cookie -i	200	"groupId":"<groupId>" "groupName":"newgroup" "groupDescription":"Description of newgroup" "groupAuthorities":["ROLE_USER"]	

curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/group/<groupId>' -b admin_cookie -i	204		
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3.

Could use API to create user group with group type ANONYMOUS			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/group/create' -b admin_cookie -i -H 'Content-Type: application/json' -d '{"groupName":"newgroup", "groupDescription":"Description of newgroup", "groupAuthorities":["ANONYMOUS"]}'	200	<pre>1 { 5  "properties": { 6    "groupId": { 7      "type": "integer" 8    } 9  }, 10 "type": "object" 11 }</pre>	groupId
curl -k -XGET 'https://192.168.86.4:8443/airframe/main/v1/user/grouplist' -b admin_cookie -i	200	"groupId":"<groupId>" "groupName":"newgroup" "groupDescription":"Description of newgroup" "groupAuthorities":["ROLE_ANONYMOUS"]	
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/group/<groupId>' -b admin_cookie -i	204		

4.

Could use API to create user group with group type CUSTOM
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CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/group/create' -b admin_cookie -i -H 'Content-Type: application/json' -d '{"groupName":"newgroup", "groupDescription":"Description of newgroup", "groupAuthorities":["UNKNOWN"]}'	200	<pre>1 { 5  "properties": { 6    "groupId": { 7      "type": "integer" 8    } 9  }, 10 "type": "object" 11 }</pre>	groupId
curl -k -XGET 'https://192.168.86.4:8443/airframe/main/v1/user/grouplist' -b admin_cookie -i	200	"groupId":"<groupId>" "groupName":"newgroup" "groupDescription":"Description of newgroup" "groupAuthorities":["ROLE_CUSTOM"]	
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/group/<groupId>' -b admin_cookie -i	204		

5.

Could not use API to create user group without require groupName			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/group/create' -b admin_cookie -i -H 'Content-Type: application/json' -d '{"groupAuthorities":["ADMIN"]}'	400	{"message":"[groupName.empty] groupName is required"}	

6.

Could not use API to create user group without require groupAuthorities			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/group/create' -b admin_cookie -i -H 'Content-Type: application/json' -d '{"groupName":"newgroup"}	400	{"message":"[groupName.groupAuthorities] groupAuthorities is required"}	

7.

Could not use API to create duplicate user group			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/group/create' -b admin_cookie -i -H 'Content-Type: application/json' -d '{"groupName":"newgroup", "groupAuthorities":["ADMIN"]}'	200		groupId
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/group/create' -b admin_cookie -i -H 'Content-Type: application/json' -d '{"groupName":"newgroup", "groupAuthorities":["ADMIN"]}'	400	{"message":"User group [newgroup] already exist, ignore create it"}	

curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/group/<groupId>' -b admin_cookie -i	204		
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Get user group by id

1.

Could use API to get user group info			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/group/create' -b admin_cookie -i -H 'Content-Type: application/json' -d '{"groupName":"newgroup", "groupAuthorities":["ADMIN"]}'	200		groupId
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/create/local' -b admin_cookie -i -d '{"userGroup":"newgroup", "email":"tester@quantatw.com", "username":"tester", "enabled":true, "password":"tester", "displayName":"tester"}' -H 'Content-Type: application/json'	200		userId
curl -k 'https://192.168.86.4:8443/airframe/main/v1/user/group/<groupId>' -b admin_cookie -i	200	"groupName":"newgroup" "groupAuthorities":["ROLE_ADMIN"] "groupMembers":["tester"] 1 { 5 "properties": { 6 "groupAuthorities": { 8 "items": {	

		<pre>9      "type": "string" 10    }, 11    "type": "array" 12  }, 13  "groupDescription": { 14    "type": "string" 15  }, 16  "groupId": { 17    "type": "integer" 18  }, 19  "groupMembers": { 20    "items": { 21      "type": "string" 22    }, 23    "type": "array" 24  }, 25  "groupName": { 26    "type": "string" 27  } 28 }, 29 }, 30 "type": "object" 31 }</pre>	
<code>curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/&lt;userId&gt;' -b admin_cookie -i</code>	204		
<code>curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/group/&lt;groupId&gt;' -b admin_cookie -i</code>	204		

2.

Could not use API to get user group info with not exist groupId			
CMD	check HTTP Status Code	check response	save response Json object to variable
<code>curl -k 'https://192.168.86.4:8443/airframe/main/v1/user/group/900' -b admin_cookie -i</code>	400	<code>{"message": "Get group info failed."}</code>	



3.

Could not use API to get user group info with deleted groupId			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/group/create' -b admin_cookie -i -H 'Content-Type: application/json' -d '{"groupName":"newgroup", "groupAuthorities":["ADMIN"]}'	200		groupId
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/group/<groupId>' -b admin_cookie -i	204		
curl -k 'https://192.168.86.4:8443/airframe/main/v1/user/group/<groupId>' -b admin_cookie -i	400	{"message": "Get group info failed."}	

Update user group

1.

Could use API to update user group			
CMD	check HTTP Status Code	check response	save response Json object to variable

curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/group/create' -b admin_cookie -i -H 'Content-Type: application/json' -d '{"groupName":"newgroup", "groupDescription":"Description of newgroup", "groupAuthorities":["ADMIN"]}'	200		groupId
curl -k -XPUT 'https://192.168.86.4:8443/airframe/main/v1/user/group/<groupId>' -b admin_cookie -i -H 'Content-Type: application/json' -d '{"groupName":"updategroup", "groupDescription":"Description of update newgroup"}'	204		
curl -k 'https://192.168.86.4:8443/airframe/main/v1/user/group/<groupId>' -b admin_cookie -i	200	"groupName":"updategroup" "groupDescription":"Description of update newgroup" "groupAuthorities":["ROLE_ADMIN"]	
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/group/<groupId>' -b admin_cookie -i	204		

2.

Could use API to update user group with empty object			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/group/create' -b admin_cookie -i -H 'Content-Type:	200		groupId

application/json' -d '{"groupName":"newgroup", "groupDescription":"Description of newgroup", "groupAuthorities":["ADMIN"]}'			
curl -k -XPUT 'https://192.168.86.4:8443/airframe/main/v1/user/group/<groupId>' -b admin_cookie -i -H 'Content-Type: application/json' -d '{}'	204		
curl -k 'https://192.168.86.4:8443/airframe/main/v1/user/group/<groupId>' -b admin_cookie -i	200	"groupName":"newgroup" "groupDescription":"Description of newgroup" "groupAuthorities":["ROLE_ADMIN"]	
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/group/<groupId>' -b admin_cookie -i	204		

3.

Could use API to update not exist user group			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPUT 'https://192.168.86.4:8443/airframe/main/v1/user/group/100000' -b admin_cookie -i -H 'Content-Type: application/json' -d '{"groupName":"updategroup", "groupDescription":"Description of update newgroup"}'	400	{"message":"Group id [100000] is not found."}	

4.

Could use API to update deleted user group			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/group/create' -b admin_cookie -i -H 'Content-Type: application/json' -d '{"groupName":"newgroup", "groupDescription":"Description of newgroup", "groupAuthorities":["ADMIN"]}'	200		groupId
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/group/<groupId>' -b admin_cookie -i	204		
curl -k -XPUT 'https://192.168.86.4:8443/airframe/main/v1/user/group/<groupId>' -b admin_cookie -i -H 'Content-Type: application/json' -d '{"groupName":"updategroup", "groupDescription":"Description of update newgroup"}'	400	{"message":"Group id [<groupId>] is not found."}	

Delete user group

1.

Could use API to delete user group			
CMD	check HTTP Status Code	check response	save response Json object to variable

curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/group/create' -b admin_cookie -i -H 'Content-Type: application/json' -d '{"groupName":"newgroup", "groupDescription":"Description of newgroup", "groupAuthorities":["ADMIN"]}'	200		groupId
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/group/<groupId>' -b admin_cookie -i	204		
curl -k 'https://192.168.86.4:8443/airframe/main/v1/user/group/<groupId>' -b admin_cookie -i	400	{"message": "Get group info failed."}	

2.

Could not use API to delete user group which contain members			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/group/create' -b admin_cookie -i -H 'Content-Type: application/json' -d '{"groupName":"newgroup", "groupDescription":"Description of newgroup", "groupAuthorities":["ADMIN"]}'	200		groupId
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/create/local' -b admin_cookie -i -d '{"userGroup":'	200		userId

newgroup", "email":"tester@quantatw.com", "username":"tester", "enabled":true, "password":"tester", "displayName":"tester"}' -H 'Content-Type: application/json'			
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/group/<groupId>' -b admin_cookie -i	400	{"message": "Group can not be deleted. The group contains members."}	
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/<userId>' -b admin_cookie -i	204		
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/group/<groupId>' -b admin_cookie -i	204		

3.

Could not use API to delete not exist user group			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/group/100000' -b admin_cookie -i	400	{"message":"User group id [100000] is not found."}	

4.

Could not use API to delete deleted user group
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CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/group/create' -b admin_cookie -i -H 'Content-Type: application/json' -d '{"groupName":"newgroup", "groupDescription":"Description of newgroup", "groupAuthorities":["ADMIN"]}'	200		groupId
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/group/<groupId>' -b admin_cookie -i	204		
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/group/<groupId>' -b admin_cookie -i	400	{"message":"User group id [<groupId>] is not found."}	

Update group permission

1.

Could use API to update user group permission			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/group/create' -b admin_cookie -i -H 'Content-Type: application/json' -d	200		groupId

'{"groupName":"groupuser","groupDescription":"Description of groupuser","groupAuthorities":["USER"]}'			
curl -k -XPOST 'https://192.168.86.4:8443/airframe/main/v1/user/create/local' -b admin_cookie -i -d '{"userGroup": "groupuser", "email":"tester@quantatw.com", "username":"tester", "enabled":true, "password":"tester", "displayName":"tester"}' -H 'Content-Type: application/json'	200		userId
curl -k -XPUT 'https://192.168.86.4:8443/airframe/main/v1/user/group/<groupId>/permissions' -b admin_cookie -d '[{"functionCode":"AD", "isMenu":true, "selectedPermission":"R"}, {"functionCode":"AD_US", "isMenu":true,"selectedPermission":"R"}]' -H 'Content-Type: application/json'	204		
curl -k 'https://192.168.86.4:8443/airframe/main/v1/login' -u tester:tester -i -D tester_cookie	200		
curl -k 'https://192.168.86.4:8443/airframe/main/v1/user/grouplist' -b tester	200		
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/<userId>' -b admin_cookie -i	204		
curl -k -XDELETE 'https://192.168.86.4:8443/airframe/main/v1/user/group/<groupId>' -b admin_cookie -i	204		



Get group permission

1.

Could use API to get user group admin’s permission			
CMD	check HTTP Status Code	check response	save response Json object to variable
curl -k 'https://192.168.86.4:8443/airframe/main/v1/user/group/1/permissions' -b admin_cookie	200	AD_BA_FOR_R, AD_BA_FOR_W, AD_BA_R, AD_R, AD_SY_FOR_R, AD_SY_FOR_W, AD_SY_R, AD_US_R, AD_US_TAB_R, AD_US_TAB_W, AD_VI_R, AD_VI_TAB_R, AD_VI_TAB_W, DA_DA_WID_R, DA_R, EV_AL_R, EV_AL_TAB_R, EV_AL_TAB_W, EV_EV_R, EV_EV_TAB_R, EV_EV_TAB_W, EV_R, MA_DI_R, MA_DI_TAB_R, MA_DI_TAB_W, MA_HI_CFG_R, MA_HI_CFG_W, MA_HI_CTL_R, MA_HI_CTL_W, MA_HI_EXP_R, MA_HI_INV_R, MA_HI_KVM_R, MA_HI_PSU_R, MA_HI_R, MA_HI_TER_R, MA_HI_THR_R, MA_HI_THR_W, MA_HI_UNT_R, MA_HI_UNT_W, MA_HI_VER_R, MA_HI_VER_W, MA_HI_WEB_R, MA_IM_FOR_R, MA_IM_FOR_W, MA_IM_R, MA_R <pre>1 { 5  "items": { 7    "properties": { 8      "allowedPermissions": { 10       "items": { 12        "properties": { 13          "code": { 14            "type": "string" 15          }, 16          "description": { 17            "type": "string" 18          }, 19        }, 20        "type": "object" 21      }, 22      "type": "array" 23    }, 24    "functionCode": { 25      "type": "string" 26    }, 27    "functionDescription": {</pre>	

		<pre>28     "type": "string" 29   }, 30   "isMenu": { 31     "type": "boolean" 32   }, 33   "selectedPermission": { 34     "type": "string" 35   } 36 }, 37 "type": "object" 38 }, 39 "type": "array" 40 }</pre>	
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Get user group list

1.

Could use API to get user group admin’s permission			
CMD	check HTTP Status Code	check response	save response Json object to variable
<pre>curl -k -XGET 'https://192.168.86.4:8443/airframe/main/v1/user/grouplist' -b admin_cookie -i</pre>	200	<pre>"groupName": "admin" 1 { 5  "items": { 7    "properties": { 8      "groupAuthorities": { 10       "items": { 11         "type": "string" 12       }, 13       "type": "array" 14     }, 15     "groupDescription": { 16       "type": "string" 17     }, 18     "groupId": { 19       "type": "integer" 20     }, 21     "groupMembers": { 23       "items": { 24         "type": "string" 25       }, 26       "type": "array" 27     }, 28     "groupName": {</pre>	

		<pre>29     "type": "string" 30   } 31 }, 32   "type": "object" 33 }, 34   "type": "array" 35 }</pre>	
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