## **Increase quota for a Org**

We will see how we increase the quota plan for an Org. The example Org here is ShowDB

1. First get GUID for Org by running following command:

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| --- |
| CF\_TRACE=true cf org ShowDB | grep -B7 ShowDB |

2. Our output was:

|  |
| --- |
| [root@aoadbld00032lc openplatform]# CF\_TRACE=true cf org ShowDB | grep -B7 ShowDB  "metadata": {  "guid": "4cf7b766-8ec8-46e4-927b-5135fca623f3",  "url": "/v2/organizations/4cf7b766-8ec8-46e4-927b-5135fca623f3",  "created\_at": "2016-03-10T00:51:49Z",  "updated\_at": null  },  "entity": {  "name": "ShowDB",  --  "space\_quota\_definitions": [  ]  }  }  ]  } |

3. The GUID we found is: "guid": **"4cf7b766-8ec8-46e4-927b-5135fca623f3"**

4. To find out the current Org quota plan run by passing the GUID we fetched earlier:

$cf curl /v2/organizations/MY-ORGANIZATION-GUID -X 'GET' | grep quota\_definition\_guid

|  |
| --- |
| cf curl /v2/organizations/4cf7b766-8ec8-46e4-927b-5135fca623f3 -X 'GET' | grep quota\_definition\_guid |

5. It will return a quota\_definition\_guid which is as follows:

"quota\_definition\_guid": "1ab1358b-4b1a-4e76-a95d-87901763037f"

6. Verify this and check what the quota plan is. It might look like insufficient. Also you can check in cf CLI with below command for the quota plan in that Org (e.g. ShowDB)

|  |
| --- |
| [root@aoadbld00032lc openplatform]# cf quotas  Getting quotas as admin...  OK  name total memory limit instance memory limit routes service instances paid service plans  default 10G unlimited 1000 100 allowed  runaway 100G unlimited 1000 unlimited allowed  p-spring-cloud-services 150G unlimited 1000 unlimited allowed  NewRelicServiceBroker-service-quota 512M unlimited 10 10 disallowed |

7. Create a quota with suitable quota-plan a name:

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| --- |
| $ cf create-quota QUOTA [-m TOTAL\_MEMORY] [-i INSTANCE\_MEMORY] [-r ROUTES] [-s SERVICE\_INSTANCES] [--allow-paid-service-plans] |

Options include:

-m – Total amount of memory.

-i – Maximum amount of memory an application instance can have. -1 represents an unlimited amount.

-r – Total number of routes.

-s – Total number of service instances.

-allow-paid-service-plans – Can provision instances of paid service plans

|  |
| --- |
| cf create-quota showdb-updated -m 20480M -i -1 -r 1000 -s 100 --allow-paid-service-plans |

*Here we have added a quota with 20GB memory and max memory allocation as -1 (unlimited) with maximum 100 routes and 100 instances.*

8. View available quota plans and select the quota plan GUID you want:

|  |
| --- |
| [root@aoadbld00032lc openplatform]# cf curl /v2/quota\_definitions -X 'GET'  {  "total\_results": 5,  "total\_pages": 1,  "prev\_url": null,  "next\_url": null,  "resources": [  {  "metadata": {  "guid": "1ab1358b-4b1a-4e76-a95d-87901763037f",  "url": "/v2/quota\_definitions/1ab1358b-4b1a-4e76-a95d-87901763037f",  "created\_at": "2015-07-10T21:50:27Z",  "updated\_at": null  },  "entity": {  "name": "default",  "non\_basic\_services\_allowed": true,  "total\_services": 100,  "total\_routes": 1000,  "total\_private\_domains": -1,  "memory\_limit": 10240,  "trial\_db\_allowed": false,  "instance\_memory\_limit": -1,  "app\_instance\_limit": -1  }  },  {  "metadata": {  "guid": "650ab62b-ce52-4a92-b8ab-f181ffe78ece",  "url": "/v2/quota\_definitions/650ab62b-ce52-4a92-b8ab-f181ffe78ece",  "created\_at": "2015-07-10T21:50:27Z",  "updated\_at": null  },  "entity": {  "name": "runaway",  "non\_basic\_services\_allowed": true,  "total\_services": -1,  "total\_routes": 1000,  "total\_private\_domains": -1,  "memory\_limit": 102400,  "trial\_db\_allowed": false,  "instance\_memory\_limit": -1,  "app\_instance\_limit": -1  }  },  {  "metadata": {  "guid": "33de5e51-d487-4662-8325-edf6769e00d0",  "url": "/v2/quota\_definitions/33de5e51-d487-4662-8325-edf6769e00d0",  "created\_at": "2015-07-22T15:58:34Z",  "updated\_at": "2016-03-10T21:27:11Z"  },  "entity": {  "name": "p-spring-cloud-services",  "non\_basic\_services\_allowed": true,  "total\_services": -1,  "total\_routes": 1000,  "total\_private\_domains": -1,  "memory\_limit": 153600,  "trial\_db\_allowed": false,  "instance\_memory\_limit": -1,  "app\_instance\_limit": -1  }  },  {  "metadata": {  "guid": "dce27616-69e6-4a0b-96ac-8b397c415594",  "url": "/v2/quota\_definitions/dce27616-69e6-4a0b-96ac-8b397c415594",  "created\_at": "2015-11-16T19:20:07Z",  "updated\_at": "2016-03-14T15:41:03Z"  },  "entity": {  "name": "NewRelicServiceBroker-service-quota",  "non\_basic\_services\_allowed": false,  "total\_services": 10,  "total\_routes": 10,  "total\_private\_domains": -1,  "memory\_limit": 512,  "trial\_db\_allowed": false,  "instance\_memory\_limit": -1,  "app\_instance\_limit": -1  }  },  {  "metadata": {  "guid": "28fcfdf9-13a7-43cc-a3ec-6de4ad871321",  "url": "/v2/quota\_definitions/28fcfdf9-13a7-43cc-a3ec-6de4ad871321",  "created\_at": "2016-03-15T18:54:55Z",  "updated\_at": null  },  "entity": {  "name": "showdb-updated",  "non\_basic\_services\_allowed": true,  "total\_services": 100,  "total\_routes": 1000,  "total\_private\_domains": -1,  "memory\_limit": 20480,  "trial\_db\_allowed": false,  "instance\_memory\_limit": -1,  "app\_instance\_limit": -1  }  }  ]  } |

Also can be verified by running cf quotas and checking the value in columns:

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| --- |
| [root@aoadbld00032lc openplatform]# cf quotas  Getting quotas as admin...  OK  name total memory limit instance memory limit routes service instances paid service plans  default 10G unlimited 1000 100 allowed  runaway 100G unlimited 1000 unlimited allowed  p-spring-cloud-services 150G unlimited 1000 unlimited allowed  NewRelicServiceBroker-service-quota 512M unlimited 10 10 disallowed  showdb-updated 20G unlimited 1000 100 allowed  [root@aoadbld00032lc openplatform]# |

9. Change the Quota Plan by running following command:

|  |
| --- |
| cf curl /v2/organizations/MY-ORGANIZATION-GUID -X 'PUT' -d "{\"quota\_definition\_guid\":\"NEW-QUOTA-PLAN-GUID\"}"  cf curl /v2/organizations/4cf7b766-8ec8-46e4-927b-5135fca623f3 -X 'PUT' -d "{\"quota\_definition\_guid\":\"28fcfdf9-13a7-43cc-a3ec-6de4ad871321\"}" |

Where

**4cf7b766-8ec8-46e4-927b-5135fca623f3** is ORGANIZATION-GUID

And

**28fcfdf9-13a7-43cc-a3ec-6de4ad87**1321 is new quota\_definition\_guid

10. Output of above query:

|  |
| --- |
| [root@aoadbld00032lc openplatform]# cf curl /v2/organizations/4cf7b766-8ec8-46e4-927b-5135fca623f3 -X 'PUT' -d "{\"quota\_definition\_guid\":\"28fcfdf9-13a7-43cc-a3ec-6de4ad871321\"}"  {  "metadata": {  "guid": "4cf7b766-8ec8-46e4-927b-5135fca623f3",  "url": "/v2/organizations/4cf7b766-8ec8-46e4-927b-5135fca623f3",  "created\_at": "2016-03-10T00:51:49Z",  "updated\_at": "2016-03-15T18:57:30Z"  },  "entity": {  "name": "ShowDB",  "billing\_enabled": false,  "quota\_definition\_guid": "28fcfdf9-13a7-43cc-a3ec-6de4ad871321",  "status": "active",  "quota\_definition\_url": "/v2/quota\_definitions/28fcfdf9-13a7-43cc-a3ec-6de4ad871321",  "spaces\_url": "/v2/organizations/4cf7b766-8ec8-46e4-927b-5135fca623f3/spaces",  "domains\_url": "/v2/organizations/4cf7b766-8ec8-46e4-927b-5135fca623f3/domains",  "private\_domains\_url": "/v2/organizations/4cf7b766-8ec8-46e4-927b-5135fca623f3/private\_domains",  "users\_url": "/v2/organizations/4cf7b766-8ec8-46e4-927b-5135fca623f3/users",  "managers\_url": "/v2/organizations/4cf7b766-8ec8-46e4-927b-5135fca623f3/managers",  "billing\_managers\_url": "/v2/organizations/4cf7b766-8ec8-46e4-927b-5135fca623f3/billing\_managers",  "auditors\_url": "/v2/organizations/4cf7b766-8ec8-46e4-927b-5135fca623f3/auditors",  "app\_events\_url": "/v2/organizations/4cf7b766-8ec8-46e4-927b-5135fca623f3/app\_events",  "space\_quota\_definitions\_url": "/v2/organizations/4cf7b766-8ec8-46e4-927b-5135fca623f3/space\_quota\_definitions"  }  } |

11. Go and check the Org in apps console in PCF. The quotas are increased according to set value.

