

Acronis

How to create default backup plans

Description

This document describes creation of default backup plans.

Default backup plan is plan that is not applied to any resource.

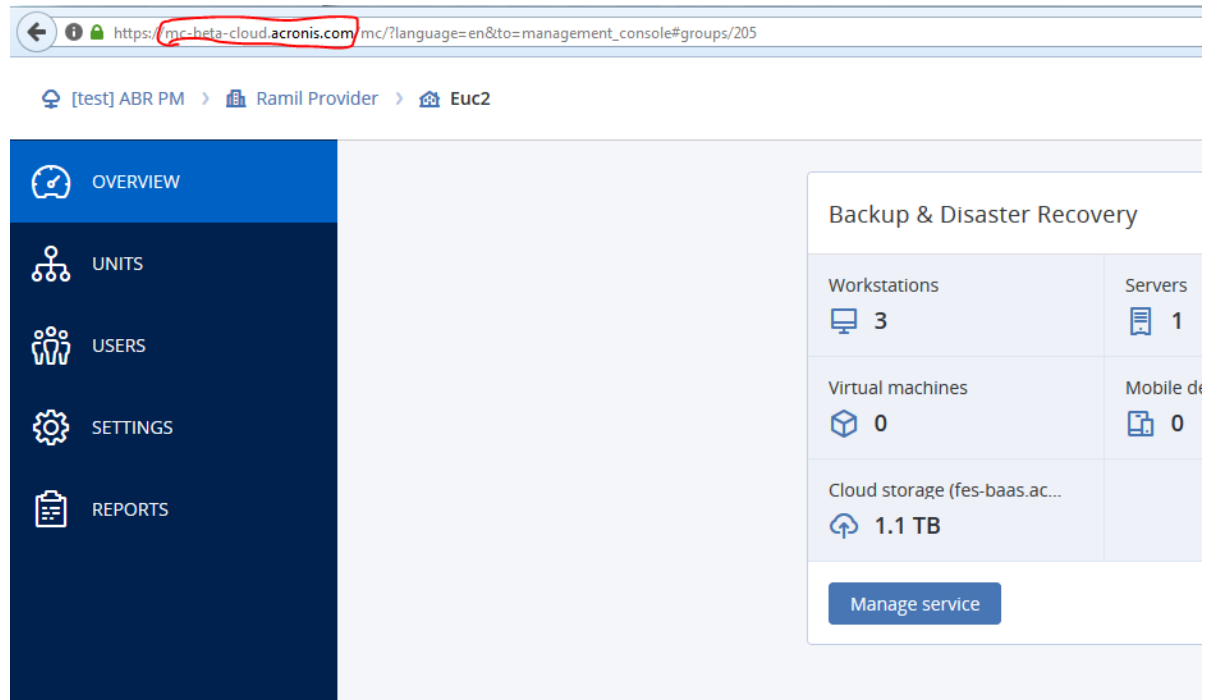
Instruction

How it works

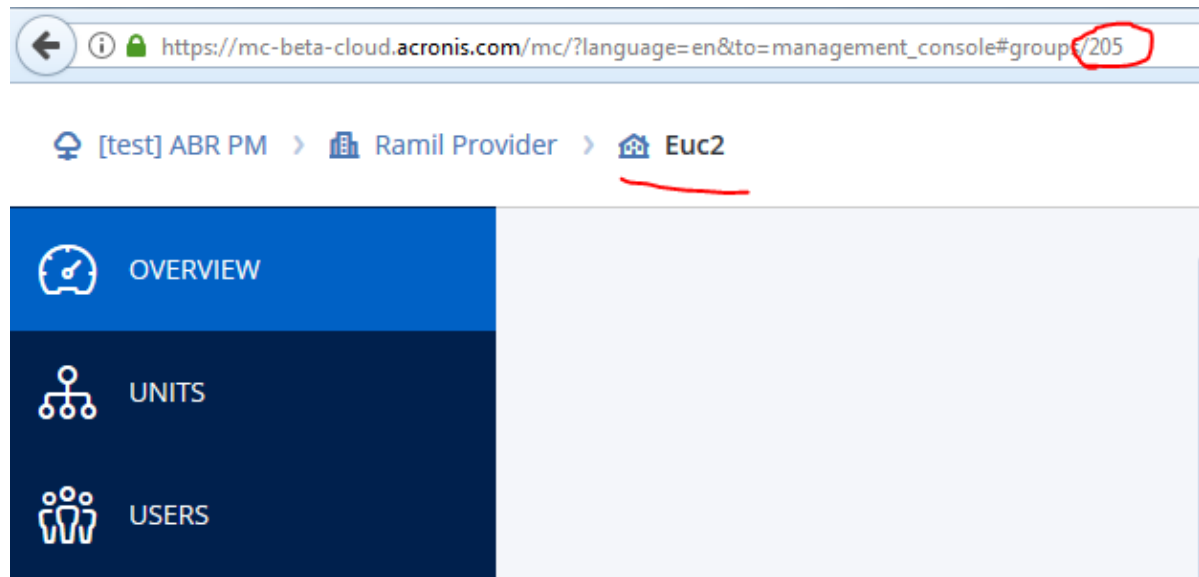
1. Script reads backup plans from json-files in the folder "plans"
2. Script connects to the Acronis Backup Cloud
3. Script traverse through the specified group and creates backup plans for each end-user company

How to run script

1. Edit run.bat file:
2. Replace "eu2-cloud.acronis.com" with DNS name of your datacenter. For example, us2-cloud.acronis.com for US2 datacenter.
 - a. To get datacenter URL, log in to management console and look at the address bar:



- b. Another way to retrieve datacenter URL is to send GET request to <https://cloud.acronis.com/api/1/accounts/?login=<login>>, where <login> is your login name. In the response use value of "server_url" property.
3. Set username and password of the user with administrator rights for the customer group
4. Set group identifier where backup plans should be created. Group identifier can be obtained programmatically using REST API or manually using browser:
 - a. Drill-down to the necessary group
 - b. In the browser address bar you will see group identifier:



c.

5. Check that "plans" directory with plans exists. See chapter "Custom default backup plans" for details how to create custom plans.

6. Start run.bat file

Example:

```
python\python.exe ./backup_plans_create.py --hostname us-baas.acronis.com --  
username root --password root --parent 111111
```

Applying plan to specific machines

1. Create file "inclusions.txt". On each line of this file there should be hostname of machine to which backup plan should be applied

a. Example:

```
1 hostname1
2 hostname2
3 hostname3
```

2. Add to the run.bat parameter "--inclusions=inclusions.txt"
3. start run.bat

Revoking plan from specific machines

1. Create file "exclusions.txt". On each line of this file there should be hostname of machine to which backup plan should be applied
2. Add to the run.bat parameter "--exclusions=exclusions.txt"
3. start run.bat

Custom default backup plans

1. To create custom disk or file backup plan, please appropriate copy files from the folder "plans_templates" to the folder "plans":
 - a. disk_backup_to_cloud.json
 - b. file_backup_to_cloud.json
2. Edit copied files:

- a. Specify items that you want to backup. To do this set values of "rules" property. Values should be separated by comma.
- b. Example for disk backup:

```
71  "options" : {  
72      "specificParameters" : {  
73          "type" : "Gtob::Dto::SpecificProtectionParameters",  
74          "inclusionRules" : {  
75              "rulesType" : "centralizedDisks",  
76              "rules" : ["C:\\", "D:\\"]  
77          }  
78      },
```

- c. Example for file backup:

```
71  "options" : {  
72      "specificParameters" : {  
73          "type" : "Gtob::Dto::SpecificProtectionParameters",  
74          "inclusionRules" : {  
75              "rulesType" : "centralizedFiles",  
76              "rules" : ["c:\\Users", "c:\\folder2"]  
77          }  
78      },
```

- 3. To change backup start time, change properties of "startTime" property in the "schedule"/"alarms" section:

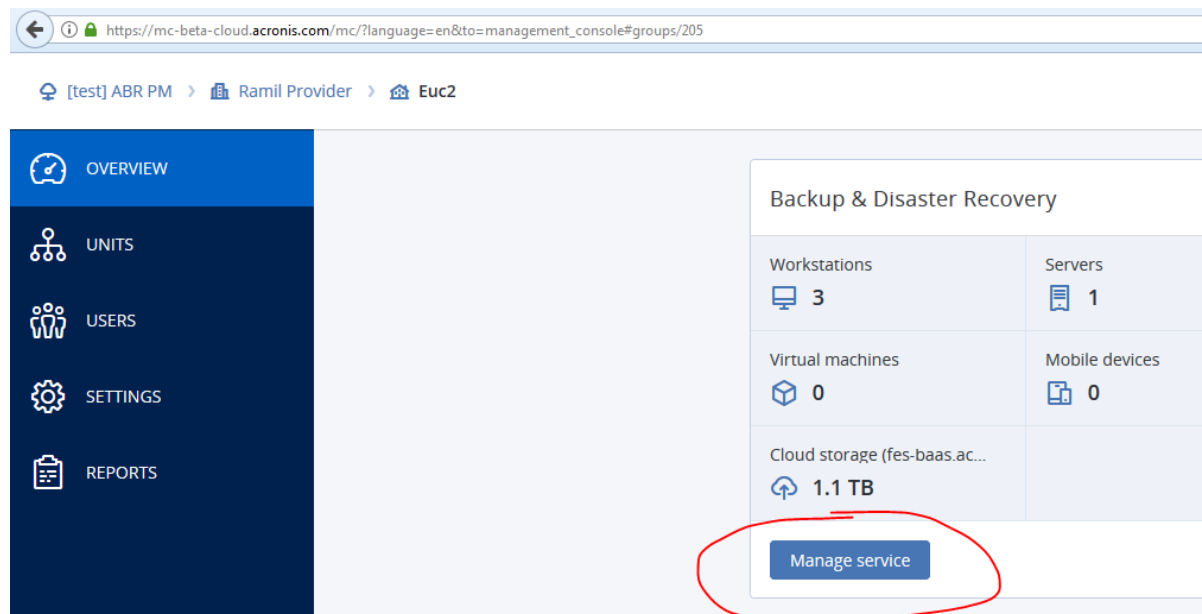
```

1  {
2      "name" : "Disk backup to cloud",
3      "editable" : true,
4      "scheme" : {
5          "type" : "always_inc",
6          "parameters" : {
7              "backupTypeRule" : "byScheme",
8              "backupSchedule" : {
9                  "schedule" : {
10                     "preventFromSleeping" : true,
11                     "maxDelayPeriod" : -1,
12                     "alarms" : [{
13                         "machineWake" : false,
14                         "beginDate" : {
15                             "year" : 0,
16                             "day" : 0,
17                             "month" : 0
18                         },
19                         "startTime" : {
20                             "minute" : 0,
21                             "second" : 0,
22                             "hour" : 23
23                         },
24                     },
25                     "calendar" : {
26                         "weekInterval" : 0,
27                         "type" : "weekly",
28                         "days" : 65
29                     },
30                     "runLater" : true,
31                     "skipOccurrences" : 0,
32                     "endDate" : {
33                         "year" : 0,
34                         "day" : 0,
35                         "month" : 0
36                     },
37                     "utcBasedSettings" : false,
38                     "repeatAtDay" : {
39                         "endTime" : {
40                             "minute" : 0,
41                             "second" : 0,
42                             "hour" : 0
43                         },
44                         "timeInterval" : 0
45                     },
46                     "startTimeDelay" : 0,
47                     "type" : "time",
48                     "distribution" : {
49                         "enabled" : true,
50                         "method" : 0,
51                         "interval" : 1800
52                     }
53                 }
54             }
55         }
56     }
57 }

```

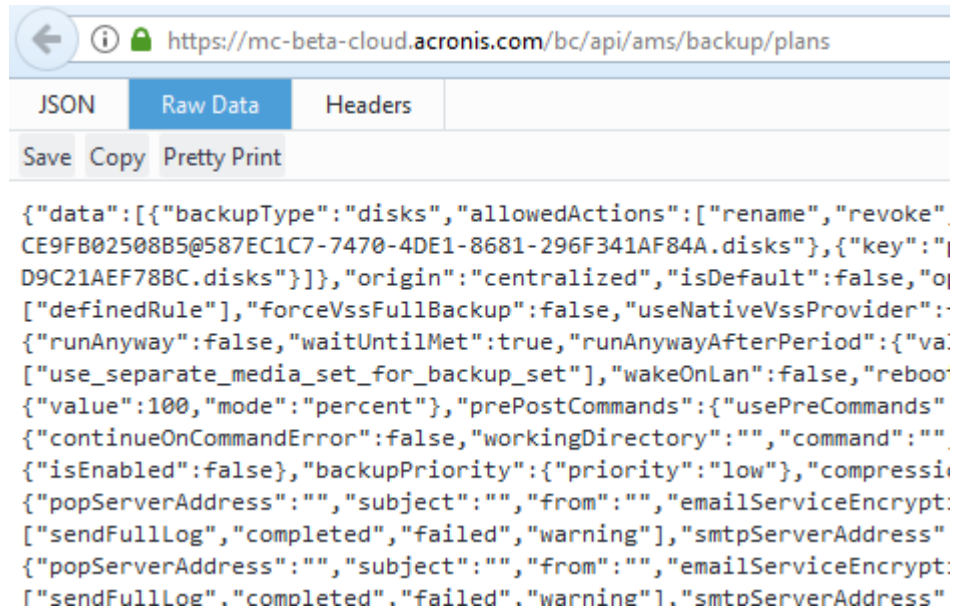
If you want to change parameter of the backup plan that is not described here (there are a lot of them), then do the following:

1. Create backup plan using this script and template plan from “plans_template” folder.
2. Open browser and log in into Acronis Backup Cloud
3. Drill-down to end-user company and click “Manage service”:



4. Change necessary backup plan and save it. You should apply it to some test machine before changing.
5. Get list of plans using GET request to “https://<your dc url>/bc/api/ams/backup/plans”.

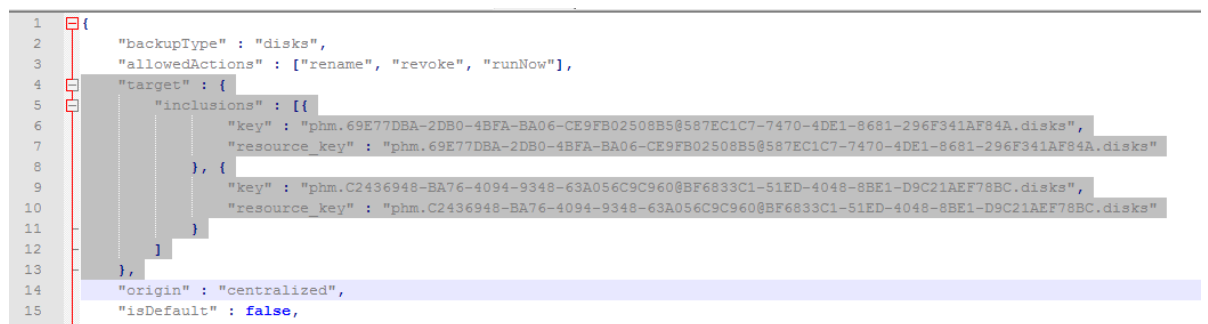
6. Example of response:



```
{
  "data": [
    {
      "backupType": "disks",
      "allowedActions": [
        "rename",
        "revoke",
        "runNow"
      ],
      "key": "phm.69E77DBA-2DB0-4BFA-BA06-CE9FB02508B5@587EC1C7-7470-4DE1-8681-296F341AF84A.disks",
      "origin": "centralized",
      "isDefault": false,
      "isEnabled": true,
      "definedRule": true,
      "forceVssFullBackup": false,
      "useNativeVssProvider": false,
      "runAnyway": false,
      "waitUntilMet": true,
      "runAnywayAfterPeriod": {
        "value": 100,
        "mode": "percent"
      },
      "wakeOnLan": false,
      "reboot": {
        "value": 100,
        "mode": "percent"
      },
      "prePostCommands": {
        "usePreCommands": false,
        "continueOnError": false,
        "workingDirectory": "",
        "command": ""
      },
      "smtpServerAddress": "",
      "subject": "",
      "from": "",
      "emailServiceEncrypt": false,
      "sendFullLog": false,
      "completed": false,
      "failed": false,
      "warning": false
    }
  ]
}
```

7. Save to json file necessary backup plan

8. Open the file in text editor and delete the following strings (highlighted on the screenshots):



```
1 {
2   "backupType": "disks",
3   "allowedActions": [
4     "rename",
5     "revoke",
6     "runNow"
7   ],
8   "target": {
9     "inclusions": [
10      {
11        "key": "phm.69E77DBA-2DB0-4BFA-BA06-CE9FB02508B5@587EC1C7-7470-4DE1-8681-296F341AF84A.disks",
12        "resource_key": "phm.69E77DBA-2DB0-4BFA-BA06-CE9FB02508B5@587EC1C7-7470-4DE1-8681-296F341AF84A.disks"
13      },
14      {
15        "key": "phm.C2436948-BA76-4094-9348-63A056C9C960@BF6833C1-51ED-4048-8BE1-D9C21AEF78BC.disks",
16        "resource_key": "phm.C2436948-BA76-4094-9348-63A056C9C960@BF6833C1-51ED-4048-8BE1-D9C21AEF78BC.disks"
17      }
18     ]
19   },
20   "origin": "centralized",
21   "isDefault": false,
22   "isEnabled": true
23 }
```

```

323         "type" : "always_inc"
324     },
325     "sources" : {
326         "data" : [{
327             "id" : "[\\"0B781614-5AED-4A10-9B79-0A607CB7EEAE\\",\\"0D213A\\
328             "machineId" : "phm.103278A6-1A6A-46F3-9079-F250035AA469@0D2\\
329             "machineName" : "ru-o0002670.corp.acronis.com",
330             "displayName" : "C:\\Project\\TestArchive\\"
331         }
332     ],
333 },
334 "id" : "6EFE8D8A-2248-4054-AA53-EB579C19430E",
335 "route" : {

```

9. Save plan to the backup plan file

10. Copy backup plan file to "plans" and start "run.bat"