



# DIATEAM

a Cy4gate company

## REPLACE BACKING FILE FORM CHILD TO NEW PARENT DISK

Version : 01 – December 2024

Reference : Replace backing file from child to new parent disk.docx

Référence(s) auteur(s) : FBE



## INFORMATIONS SUR LE DOCUMENT

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## DIFFUSION

Destinataire(s)	CUSTOMERS
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## HISTORIQUE DES MODIFICATIONS

Version	Auteur(s)	Date	Description
1.0	Frédéric BELDA	2024/12/17	Document creation



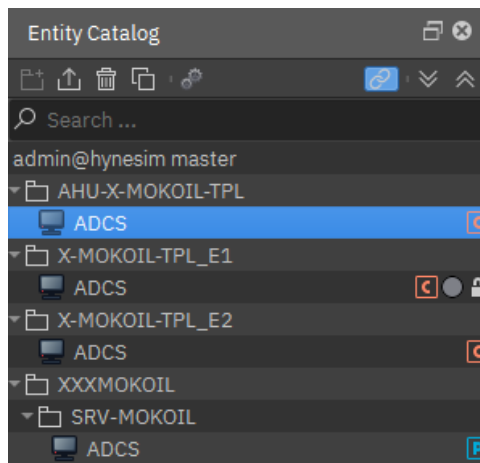
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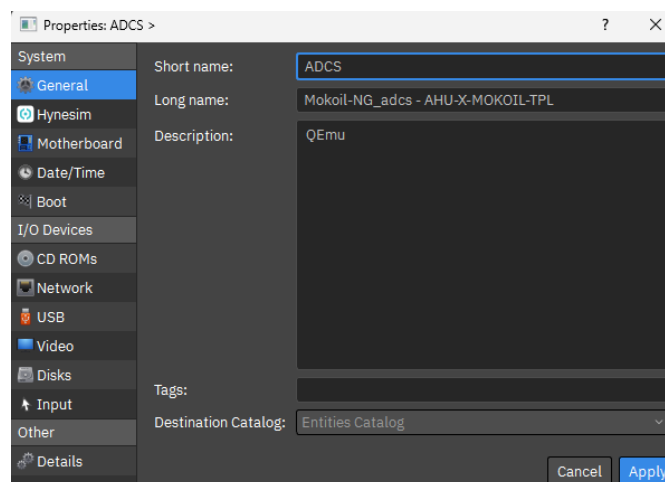
## Article 1. HYNEVIEW PREPARATION

### 1.1 IDENTIFY PARENT AND CHILD DOMAIN

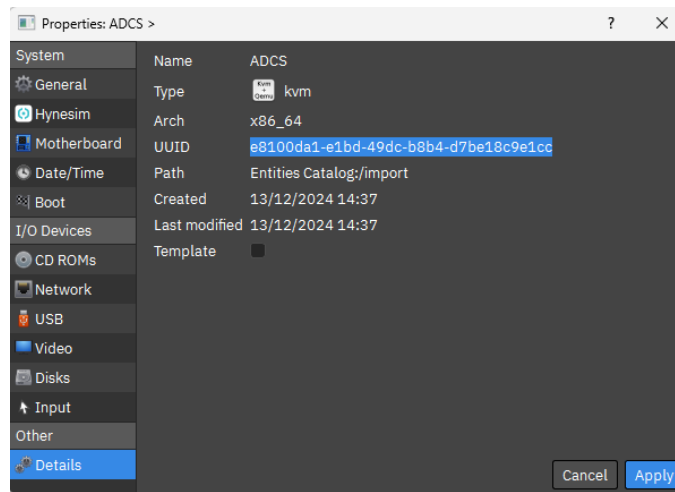
With entity catalog, search for child domain, you want to modify. Write the child UUID, into search bar. Click on “link” button, to display his parent. They are identified by “P” icon for parent and “C” icon for child.



You can right click on parent and child domain, and choose properties, to display information about domain.



And choose “Details”, to display the domain UUID.



After identifying of old parent, child and the new parent UUIDs.

## 1.2 STOP DOMAINS

From hyneview, check the 3 entities are not defined or started. If they are not undefined, pass them in this status.



## Article 2. MASTER PREPARATION

Now, you can go on the range, by using admin account.

```
ssh root@MasterIP  
  
cd /data/hynesim/catalog/entities/  
  
or  
  
cd /data/hynesim/catalog/entities/import
```

Go to the child domain directory.

```
cd childUUID
```

Launch the following command line to view disk information :

```
qemu-img info --output=json default_disk.qcow2
```

```
/data/hynesim/catalog/entities/import/6784c50d-7575-4238-8200-b37815ace4f6  
at 09:50:05 > qemu-img info --output=json default_disk.qcow2  
{  
  "virtual-size": 10737418240,  
  "filename": "default_disk.qcow2",  
  "cluster-size": 65536,  
  "format": "qcow2",  
  "actual-size": 200704,  
  "format-specific": {  
    "type": "qcow2",  
    "data": {  
      "compat": "1.1",  
      "compression-type": "zlib",  
      "lazy-refcounts": false,  
      "refcount-bits": 16,  
      "corrupt": false,  
      "extended-l2": false  
    }  
  },  
  "full-backing-filename": "/data/hynesim/catalog/entities/import/4bc2e918-73bd-4a41-a3ca-9e7c23f18d3c/default_disk.qcow2",  
  "backing-filename": "/data/hynesim/catalog/entities/import/4bc2e918-73bd-4a41-a3ca-9e7c23f18d3c/default_disk.qcow2",  
  "dirty-flag": false  
}
```

You can check information on backing file.

```
qemu-img rebase -f qcow2 -b  
/data/hynesim/catalog/entities/NewParentUUID/default_disk.qcow2 default_disk.qcow2
```

Now the backing file is changed, but hynesim is not updated.

## Article 3. DB PREPARATION

We will update the catalog.db file.

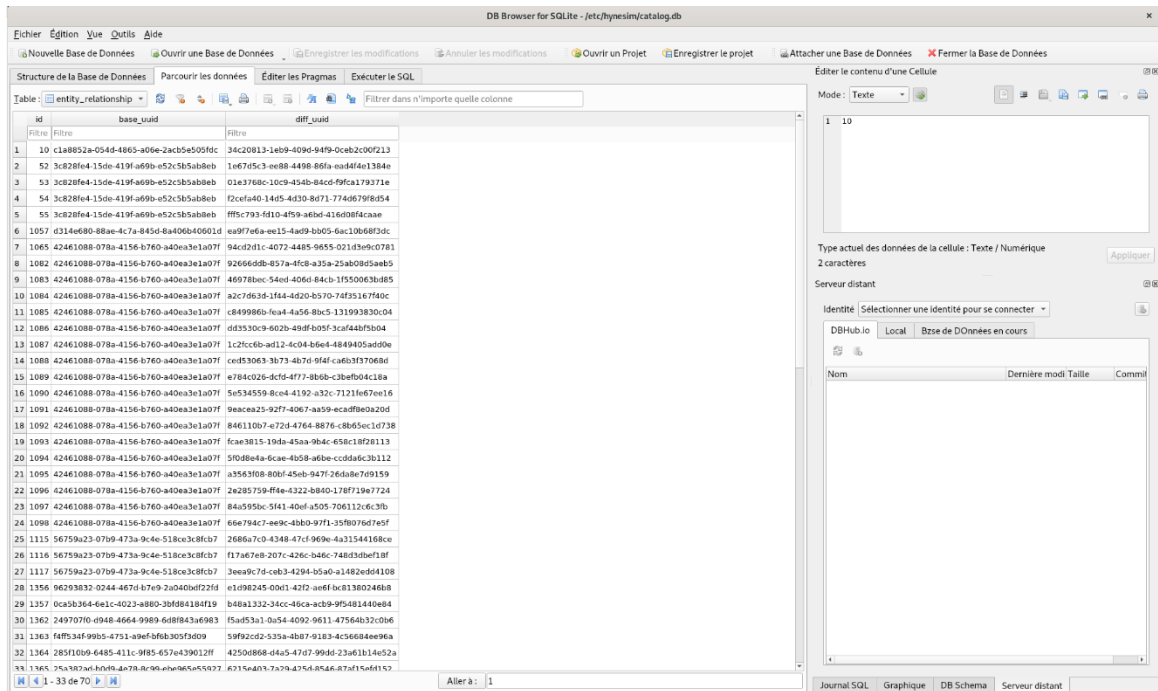
```
cd /etc/hynesim
```

**Very important:** Make a copy of database, before doing a modification. To be sure, in case there are wrong manipulation, to paste the backup file.

```
cp catalog.db catalog_backup.db
```

Open the catalog.db file.

```
sqlitebrowser catalog.db
```



The screenshot shows the SQLite Browser interface for the 'catalog.db' database. The 'entity\_relationship' table is selected, and the 'diff\_uuid' column is filtered. The table contains 33 rows of data, each with a unique 'diff\_uuid' value. The 'base\_uuid' column is also visible, showing a repeating pattern of '42461088-078a-4156-b760-a40ea3e1a07f'.

id	base_uuid	diff_uuid
1	42461088-078a-4156-b760-a40ea3e1a07f	34c20813-1eb9-409d-94f9-02eb2c00f213
2	42461088-078a-4156-b760-a40ea3e1a07f	1e6705c3-ee88-4498-86fa-ea444e1384e
3	42461088-078a-4156-b760-a40ea3e1a07f	01e3768c-10c9-434b-84cd-9fca179371e
4	42461088-078a-4156-b760-a40ea3e1a07f	f2cefa40-14d5-4d30-8d71-774d6798d54
5	42461088-078a-4156-b760-a40ea3e1a07f	ff5c7933-6910-4f59-a6bd-d1608f4caae
6	42461088-078a-4156-b760-a40ea3e1a07f	ea977e6a-ee15-4a09-bb05-6ac1068f3dc
7	42461088-078a-4156-b760-a40ea3e1a07f	94cd2d1c-4072-4485-9655-021d3e9c0781
8	42461088-078a-4156-b760-a40ea3e1a07f	92666d8b-857a-4fc8-a35a-25ab08d5aeb5
9	42461088-078a-4156-b760-a40ea3e1a07f	46978b0c-54ed-406d-84cb-1f550063b85
10	42461088-078a-4156-b760-a40ea3e1a07f	a2c7d63d-1f44-4d20-b570-74f35167f40c
11	42461088-078a-4156-b760-a40ea3e1a07f	c849986b-fea4-4a56-8bc5-131993830c04
12	42461088-078a-4156-b760-a40ea3e1a07f	d83530c9-862b-49df-b05f-3caf44b5b04
13	42461088-078a-4156-b760-a40ea3e1a07f	1c2fcc0b-ad12-4c04-b6e4-4849405add0e
14	42461088-078a-4156-b760-a40ea3e1a07f	ce153063-3b73-4b7d-9faf-ca6b3f37068d
15	42461088-078a-4156-b760-a40ea3e1a07f	e784c026-dcf5-4f77-8b0b-c3befb04c18a
16	42461088-078a-4156-b760-a40ea3e1a07f	5e54559-8c04-4192-a32c-7121f67ee16
17	42461088-078a-4156-b760-a40ea3e1a07f	9eace25-927f-4067-a959-ecdf890ae20d
18	42461088-078a-4156-b760-a40ea3e1a07f	84611007-e72d-4764-8876-c8b65cd738
19	42461088-078a-4156-b760-a40ea3e1a07f	fcac3815-19da-45aa-964c-658c18f2b113
20	42461088-078a-4156-b760-a40ea3e1a07f	5f088e4a-6cae-45b8-964c-cdd5a6c3b112
21	42461088-078a-4156-b760-a40ea3e1a07f	a3553f08-80bf-45eb-947f-26a8e709159
22	42461088-078a-4156-b760-a40ea3e1a07f	2e285759-8f4e-4322-8840-178ff19e7724
23	42461088-078a-4156-b760-a40ea3e1a07f	84c5953c-5f41-40ef-a505-706112c6c3b
24	42461088-078a-4156-b760-a40ea3e1a07f	66e794c7-ee9c-45b0-9771-35f076d7e5f
25	42461088-078a-4156-b760-a40ea3e1a07f	2686a7cd-4348-47cf-969e-4a31544168ce
26	42461088-078a-4156-b760-a40ea3e1a07f	f17ae7eb-207c-426c-946c-748d3d8ef108
27	42461088-078a-4156-b760-a40ea3e1a07f	3aea9c-7d-ceb3-4294-b5a0-a1482ed64108
28	42461088-078a-4156-b760-a40ea3e1a07f	e1d98245-00d1-4212-aeef-1bc813802468b
29	42461088-078a-4156-b760-a40ea3e1a07f	b48a1332-34cc-48ca-act9-9f5481440e8a
30	42461088-078a-4156-b760-a40ea3e1a07f	5a853a1-0a54-4092-0611-4756a63c0b6
31	42461088-078a-4156-b760-a40ea3e1a07f	59f92cd2-535a-4b87-0183-4c56684ee9ea
32	42461088-078a-4156-b760-a40ea3e1a07f	42508868-4a45-4747-904d-23a6114e52a
33	42461088-078a-4156-b760-a40ea3e1a07f	6315e403-7a29-47d4-8546-87af1e6f152

Select “Browse data” tab. And choose “entity\_relationship” table.

Filter by diff\_uuid, with the child uuid.

Modify base\_uuid value, with the new parent uuid.

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Ref. : DIATEAM\_Replace\_parent\_to\_child\_link.docx

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## Article 4. VERIFICATION

From master, now your disk is updated, you can check the new link, directly with qemu command line.

If you are already in the child folder, you can launch the following command line :

```
qemu-img info --output=json default_disk.qcow2
```

```
/data/hynesim/catalog/entities/import/6784c50d-7575-4238-8200-b37815ace4f6 took 6s
at 09:51:35 > qemu-img info --output=json default_disk.qcow2
{
  "virtual-size": 10737418240,
  "filename": "default_disk.qcow2",
  "cluster-size": 65536,
  "format": "qcow2",
  "actual-size": 200704,
  "format-specific": {
    "type": "qcow2",
    "data": {
      "compat": "1.1",
      "compression-type": "zlib",
      "lazy-refcounts": false,
      "refcount-bits": 16,
      "corrupt": false,
      "extended-l2": false
    }
  },
  "full-backing-filename": "/data/hynesim/catalog/entities/import/f9486532-b577-47f9-a23b-ff21c834847d/default_disk.qcow2",
  "backing-filename": "/data/hynesim/catalog/entities/import/f9486532-b577-47f9-a23b-ff21c834847d/default_disk.qcow2",
  "dirty-flag": false
}
```

And verify with information shown before doing the modification.

With hyneview, you can check, if your domain, can be defined. If yes, the backing file modification is correctly done. The modification into database, is important, for hyneview. We don't restart services. So HMI has previous declaration. For him, it kept the old parent child link.

You can launch use reloadDb to update the hyneview. See Administration guide.

If it does not work, launch :

```
resetPlatform
```