

# Add new product to an existing distribution

## Ways to add a new product to an existing distribution (Work in progress)

dir structure:

```
/var/www/be/  
data/ (The latest json data for the FE)   
├─ config.js  
├─ distributions/  
│   ├── CMD-ONE  
│   │   ├── 0.0.0.json  
│   │   └─ ...  
│   ├── CMD-OS  
│   │   ├── 0.0.0.json  
│   │   └─ ...  
│   └─ UMD  
│       ├── 1.0.0.json  
│       └─ ...  
├─ products/  
│   ├── CMD-ONE  
│   │   ├── 0.0.0/  
│   │   │   └─ productname.json  
│   │   │   └─ ...  
│   ├── CMD-OS  
│   │   ├── 0.0.0/  
│   │   │   └─ productname.json  
│   │   │   └─ ...  
│   └─ UMD  
│       ├── 1.0.0/  
│       │   └─ productname.json  
│       │   └─ ...  
├─ software-catalog.json (Complete list of products)  
├─ software-distributions.json (Complete list of distributions)  
└─  
templates/ (All the templates needed to convert yaml to json or using json directly)  
├─ product.yaml  
└─ distribution.yaml
```

```
└─ product.json
└─ distribution.json
```

For both approaches the first step is always convert/prepare the release.json

```
cd /var/www/be
```

### Copy the template:

```
cp SW/templates/product.yaml ./release.yaml
```

### Convert the yaml to json:

```
yaml2json release.yaml (this will create a release.json file in the same dir)
```

Now we have a json file:

```
be$ release.json
```

## 1st approach - using the Database (DB)

### Add the data manually to the DB:

- Product
- Distribution product data Commands...

Examples:

```
cat create_table.sql |sqlite3 db/egi-repos-fe-test.db
```

```
sqlite3 db/egi-repos-fe-test.db ".read insert_data.sql"
```

```
sqlite3 db/egi-repos-fe-test.db "select MAX(f1) from tbl2;" ".exit"
```

```
sqlite3 db/egi-repos-fe-test.db "INSERT INTO tbl2 ('f1','f2','f3') VALUES('001','teste','tttt');" ".exit"
```

```
INSERT INTO "main"."products" ("id", "name", "productName", "version", "majorVersion", "minorVersion", "revision",  
' , 'deployed', 'parak@cesnet.cz', 'parak@cesnet.cz', 'sw/production/cmd-one/1', 'CESNET', 'CESNET', '2018-11-12 1
```

### Export/prepare all the data from DB (replacing the data in data/\*)

```
$ export-full-dataset.sh
```

```
.....  
php export-distributions.php
```

php export-distributions.php --individual-distributions

php export-products.php

php export-products.php --individual-products

## 2nd approach - add the data manually to the json files

### Manually add product

```
cp release.json data/  
cp release.json data/products/distribution-type/distribution-version/$productname(change this).json
```

#### add product data (to the products list in distribution):

data/distributions/distribution-type/\$distribution-version.json (products[] array)

ex. of product item:

```
{  
  "productId": 32,  
  "name": "emi.apel",  
  "version": "3.2.7",  
  "capabilities": ["Accounting"],  
  "status": 1  
}
```

#### add product full data (to the software catalog):

data/software-catalog.json (item[] array)

ex. of product item: (DON'T FORGET TO ADD A COMMA , BEFORE THE BRACKET)

```
,  
{  
  "name": "bdii.site-bdii",  
  "version": "1.2.1",  
  "documentationLinks": [],  
  "target": [  
    {  
      "platform": "centos7",  
      "arch": "x86_64",  
      "repositoryURL": "sw\\production\\cmd-one\\1\\centos7\\x86_64\\updates",  
      "gpgkey": "",  
      "rpms": [],  
      "status": 1  
    }  
  ],  
  "capabilities": ["Client Tools"],  
  "currentState": "deployed",  
  "technologyProvider": "BDII",  
  "contact": "email of contact",  
}
```

```
"technicalContact": "email of contact",
"description": "text description...",
"releaseDate": "2018-11-12 12:34:40",
"majorVersion": 1,
"minorVersion": 2,
"revisionVersion": 1,
"releaseNotes": "http://gridinfo.web.cern.ch/developers/resource-bdii",
"changeLog": "Same version as in SL6\n",
"repositoryURL": "sw/production/cmd-one/1",
"distributionType": "CMD-ONE",
"distributionVersion": "1.1.0",
"softwareConfigurationLink": ""
}
```

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Revision #15

Created 21 November 2022 10:19:00 by Carlos A. Manuel

Updated 14 December 2022 19:09:15 by Carlos A. Manuel