

# SLO Simply Smarter - Manual installation

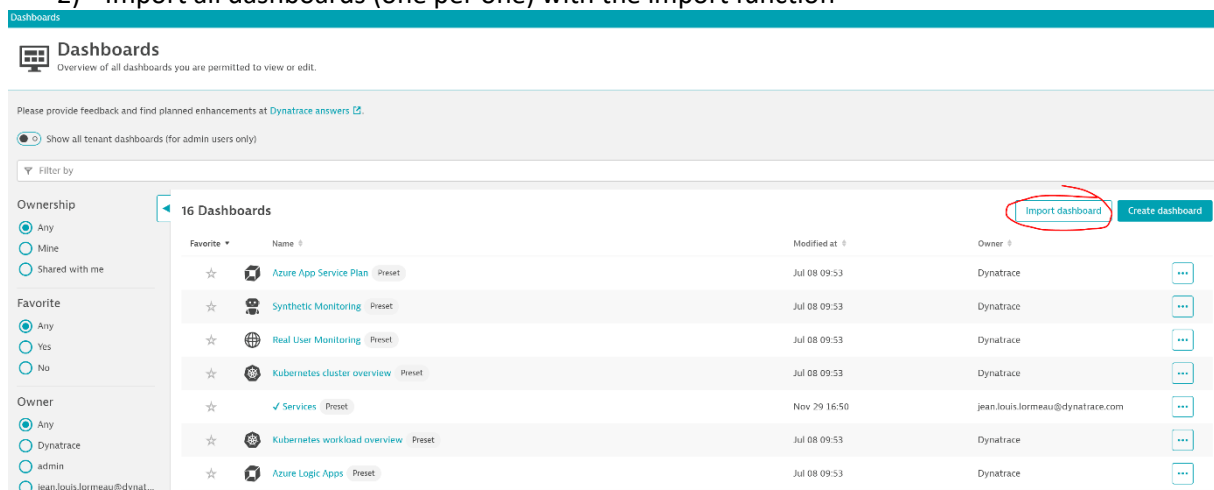
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Follow this process if you don't have access to the dynatrace : [BizOpsConfigurator](#) and Monaco

## Import Dashboards

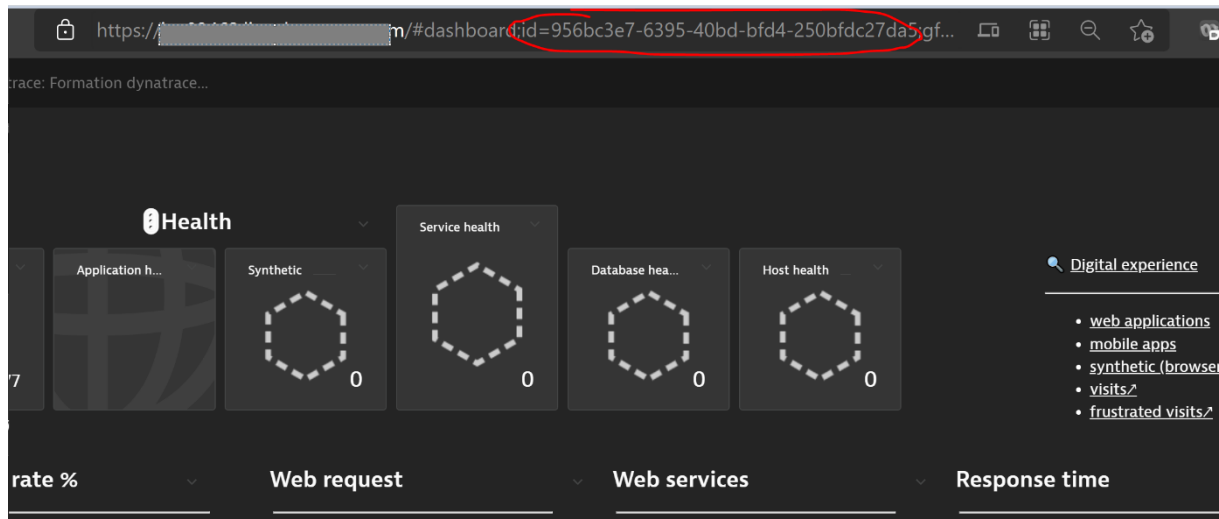
- 1) Download the dashboards of the template:  
[https://github.com/JLLormeau/dynatrace\\_template\\_fr/archive/refs/heads/main.zip](https://github.com/JLLormeau/dynatrace_template_fr/archive/refs/heads/main.zip)
- 2) Import all dashboards (one per one) with the import function



- 3) Recreate the mapping ID

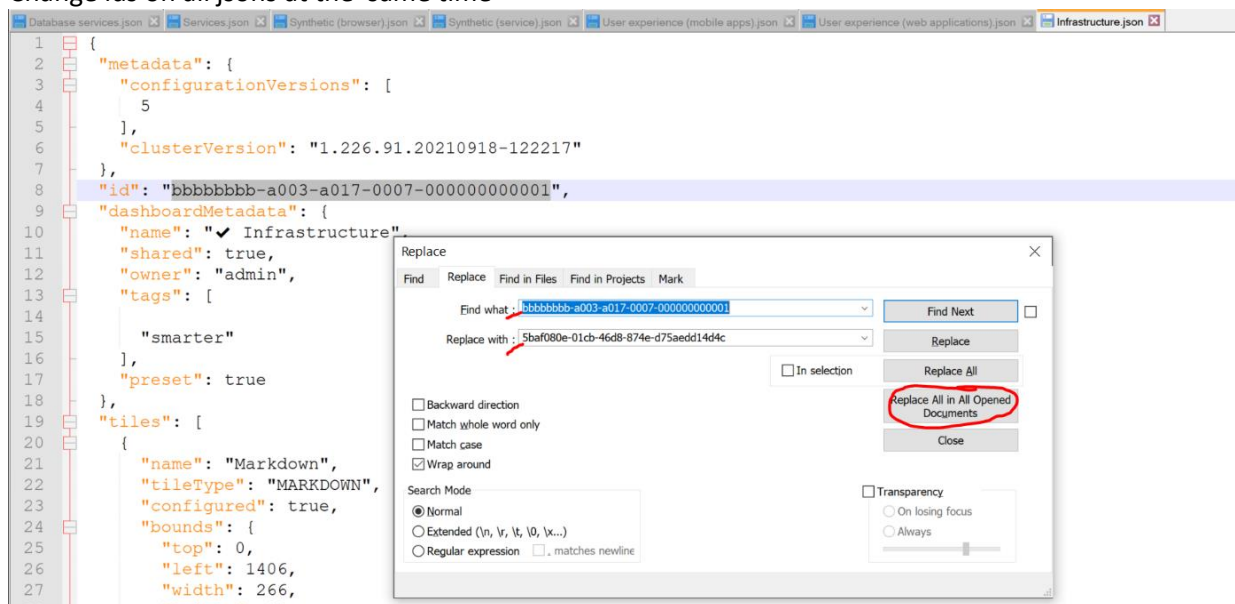
For each dashboard of the template, copy the new dashboard id :

Name	old ID	new ID
Dynatrace: simply smarter		
User experience (web applications)		
User experience (mobile apps)		
Synthetic (browser)		
Services		
Synthetic (service)		
Database		
Database services		
SLO Simply Smarter		
SLO Resource Optimization		



And update the ID table with the old and new ID :

4) Open all original json in notepad++  
Change ids on all jsons at the same time



5) Edit each dashboard with up-to-date ids:  
Share / Advanced Settings / Dashboard Json avec le nouveau json.  
You can take the opportunity to change the user to "admin" for example.

Dashboards

Services

Settings

Editor

Dashboard settings

General settings

Manage access

Dynamic filters

Dashboard JSON

Dashboard JSON

Directly edit dashboard's source JSON structure.

Download

Upload

json

```

1 {
2   "metadata": {
3     "configurationVersions": [
4       5
5     ],
6     "clusterVersion": "1.238.188.28211123-162857"
7   },
8   "id": "956bc3e7-6395-48bd-bf64-258bdc27da5",
9   "dashboardMetadata": {
10    "name": "✓ Services",
11    "shared": true,
12    "owner": "admin",
13    "tags": [
14      "smarter"
15    ],
16    "preset": true
17  },
18  "tiles": [
19    {
20      "name": "Markdown",
21      "tiletype": "MARKDOWN",
22      "configured": true,
23      "bounds": {
24        "top": 0,
25        "left": 0,
26        "width": 1000,
27        "height": 1000
28      }
29    }
30  ]
31 }

```

Dashboard owner modified

You modified the owner of the dashboard

Discard changes

Save and override owner

Revert owner

## 6) Validate

Open each dashboard and test each link.

✓ Services

Presets

One tag applied

Edit

Health

Application health

Synthetic

Service health

Database health

Host health

Digital experience

web applications

mobile apps

synthetic (browser)

visits

frustrated visits

Services

services

database services

synthetic (service)

slow requests

failed requests

Infrastructure & cloud

infrastructure

hosts

technologies

devices

businesses

Success rate %

Web request

Web services

Response time

HTTP 4xx errors

HTTP 5xx errors

Success rate %

Web requests count

Web services count

Response time (services...)

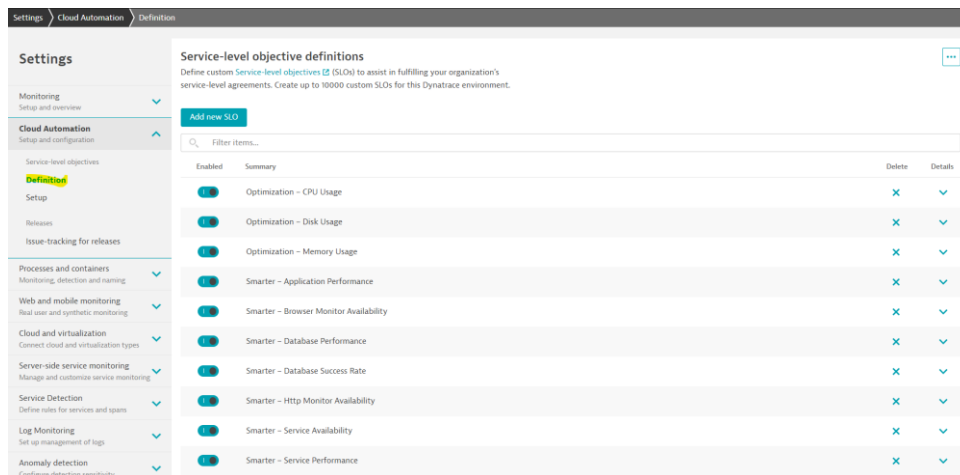
HTTP 4xx errors

HTTP 5xx errors

Requests

Success rate (Web Services)

# Create SLO



## 1) Resource Optimization

### Default value

Target = 50%

Warning = 60%

BurnRate = 10

Entity selector empty

Timeframe = -1w

SLO1

Name = Optimization - CPU Usage

Metric = builtin:host.cpu.usage:splitBy()

SLO2

Name = Optimization - Disk Usage

Metric = builtin:host.disk.usedPct:splitBy()

SLO3

Name = Optimization - Memory Usage

Metric = builtin:host.mem.usage:splitBy()

## 2) SLO Smarter

### Default value

Target = 95%

Warning = 98%

BurnRate = 10

Entity selector empty

Timeframe = -1w

SLO1

Name = Smarter - Application Performance

Metric = (100)\*(builtin:apps.web.actionCount.category:filter(eq(Apdex category,SATISFIED)):splitBy())/(builtin:apps.web.actionCount.category:splitBy())

## SLO2

Name = Smarter - Browser Monitor Availability

Metric =

(builtin:synthetic.browser.availability.location.totalWoMaintenanceWindow:splitBy())

## SLO3

Name = Smarter - Database Performance

Metric (target 100 ms) =

((builtin:service.response.time:avg:toUnit(MicroSecond,MilliSecond):filter(and(or(in("dt.entity.service",entitySelector("type(service),serviceType(~"DATABASE\_SERVICE~")))))):partition("perf",value("good",lt(100))):splitBy():count:default(0))/(builtin:service.response.time:avg:filter(and(or(in("dt.entity.service",entitySelector("type(service),serviceType(~"DATABASE\_SERVICE~")))))):splitBy():count)\*(100))

## SLO4

Name = Smarter - Database Success Rate

Metric = 100-

builtin:service.errors.total.rate:filter(and(or(in("dt.entity.service",entitySelector("type(service),serviceType(~"DATABASE\_SERVICE~")))))):splitBy()

## SLO5

Name = Smarter - Http Monitor Availability

Metric = (builtin:synthetic.http.availability.location.totalWoMaintenanceWindow:splitBy())

## SLO6

Name = Smarter - Service Availability Metric = builtin:host.mem.usage:splitBy()

Metric =

(100)\*((builtin:service.errors.server.successCount:filter(and(or(in("dt.entity.service",entitySelector("type(service),serviceType(~"WEB\_SERVICE~"))),in("dt.entity.service",entitySelector("type(service),serviceType(~"WEB\_REQUEST\_SERVICE~")))))):splitBy())/(builtin:service.requestCount.server:filter(and(or(in("dt.entity.service",entitySelector("type(service),serviceType(~"WEB\_SERVICE~"))),in("dt.entity.service",entitySelector("type(service),serviceType(~"WEB\_REQUEST\_SERVICE~")))))):splitBy())

## SLO7

Name = Smarter - Service Performance

Metric (target 500 ms) =

((builtin:service.response.time:avg:toUnit(MicroSecond,MilliSecond):filter(and(or(in("dt.entity.service",entitySelector("type(service),serviceType(~"WEB\_SERVICE~"))),in("dt.entity.service",entitySelector("type(service),serviceType(~"WEB\_REQUEST\_SERVICE~")))))):partition("perf",value("good",lt(500))):splitBy():count:default(0))/(builtin:service.response.time:avg:filter(and(or(in("dt.entity.service",entitySelector("type(service),serviceType(~"WEB\_SERVICE~"))),in("dt.entity.service",entitySelector("type(service),serviceType(~"WEB\_REQUEST\_SERVICE~")))))):splitBy():count)\*(100))

## Manual mapping SLO with Dashboards

SLO Simply Smarter: for each SLO tile, mapp SLO Smarter and period  
Set the period -1M and -1y manually for all the SLOs (by default -1w)

### Application

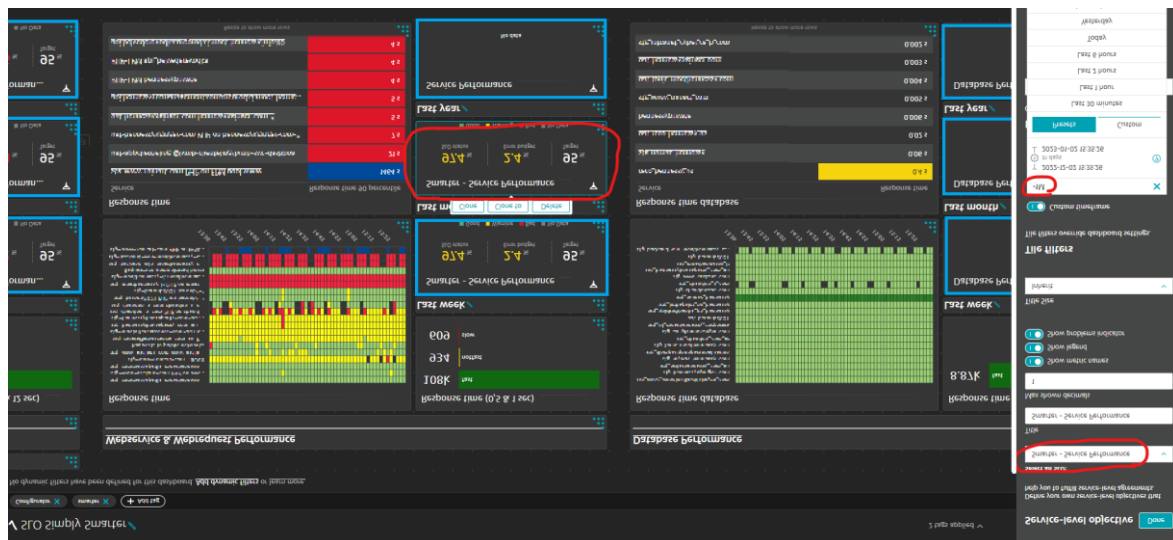
- Smarter - Application Performance => 1w, 1M and 1y
- Smarter - Browser Monitor Availability => 1w, 1M and 1y
- Smarter - HTTP Monitor Availability => 1w, 1M and 1y

### Webservice and Webrequest

- Smarter - Service Performance => 1w, 1M and 1y
- Smarter - Service Availability => 1w, 1M and 1y

### Database

- Smarter - Database Performance => 1w, 1M and 1y
- Smarter - Database Success Rate => 1w, 1M and 1y



SLO Resource Optimization : for each SLO tile, mapp SLO Smarter and period

### Memory

- Optimization - Memory Usage => 1w, 1M and 1y

### CPU

- Optimization - CPU Usage => 1w, 1M and 1y

### Disk

- Optimization - Disk Usage => 1w, 1M and 1y

