

10 Ways DITA-OT Can Suck the Life Out of You

Not the actual title, but you have to start somewhere

Run DITA-OT On Someone
Else's Computer. Listen To
This Talk To Find How

@jelovirt, Wunderdog






```
$ cat thunderbird.json
{
  "deliverables": [
    {
      "context": {
        "input":
"jar:https://github.com/gnostyx/dita-demo-content-collection/archive/master.zip!/dita
-demo-content-collection-master/Thunderbird/User_Guide.ditamap"
      },
      "output": "out",
      "publication": {
        "transtype": "pdf2"
      }
    }
  ]
}
$
```

\$ kuhnuri

```
$ kuhnuri --help
```

NAME:

kuhnuri - Run DITA-OT on the cloud

USAGE:

kuhnuri [options...]

VERSION:

0.1.0

AUTHOR:

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COMMANDS:

help, h Shows a list of commands or help for one command

GLOBAL OPTIONS:

-f value, --format value DITA-OT transtype
-i value, --input value DITA input file, directory, or URI


```
$ kuhnuri -p thunderbird.json
```

```
Starting ✓
```

```
Submitting ✓
```

```
Queuing ✓
```

```
Converting ✓
```

```
Queuing ✓
```

```
Converting ✓
```

```
Downloading ✓
```

```
$
```

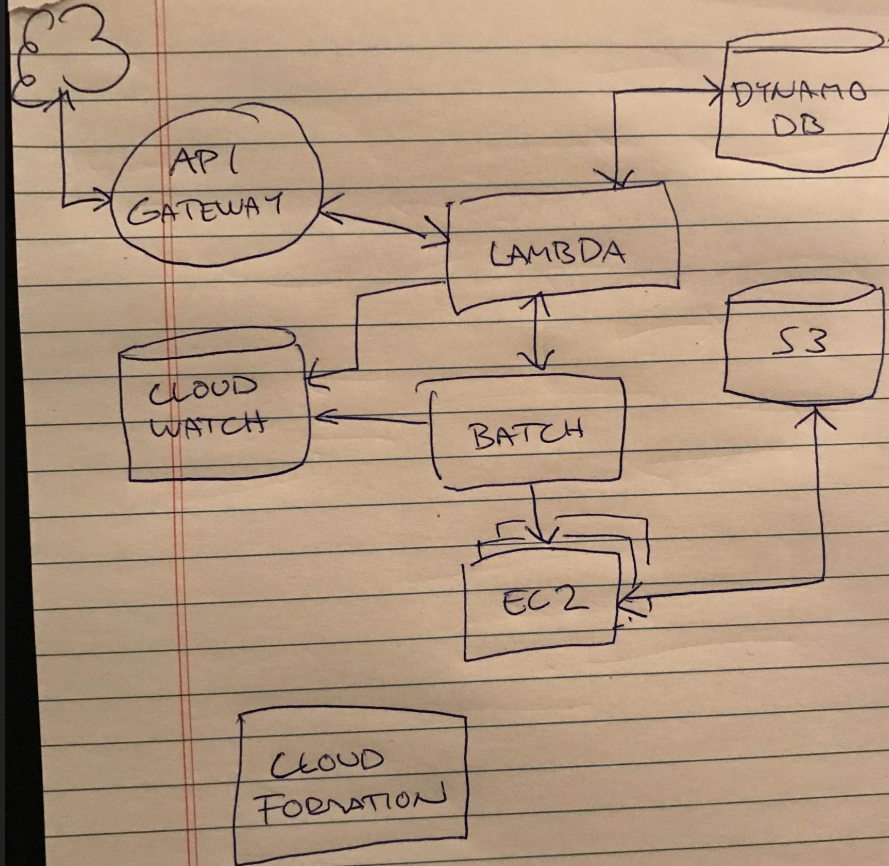
We have the technology. We can rebuild it.

- Job — kinda like DITA-OT transtype
- Task — set of Ant targets
- Worker — computer with some software

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-
- DITA to FO — mostly reading and writing XML
 - FO to PDF — more CPU and memory bound

Stack



Click, click, click or configuration as code

- AWS console
- CDK

CDK lib + Kuhnuri code + your configuration -> your DITA-OT in the cloud env

...

```
const config: Config = {
  region: process.env.CDK_DEFAULT_REGION,
  account: process.env.CDK_DEFAULT_ACCOUNT,
  jobs: {
    html5: [
      { worker: "basic", params: { transtype: "html5" } }
    ],
    pdf2: [
      { worker: "custom", params: { transtype: "fo" } },
      { worker: "fop" }
    ],
    fo2pdf: [
      { worker: "custom", params: { transtype: "fo", "pdf.formatter": "ah" } },
      { worker: "ahf" }
    ],
    html2pdf: [
      { worker: "custom", params: { transtype: "html5" } },
      { worker: "weasyprint" }
    ]
  }
}
```

```
...
workers: {
  basic: {
    image: "jelovirt/kuhnuri_batch_worker:3.2"
  },
  custom: {
    image: "jelovirt/kuhnuri_batch_worker:3.2",
    plugins: [
      "com.elovirta.fo",
      "com.elovirta.ooxml",
      "https://github.com/jelovirt/com.elovirta.html2pdf/archive/master.zip"
    ]
  },
  fop: {
    image: "jelovirt/kuhnuri_batch_fop_worker:3.2"
  },
  graphics: {
    image: "jelovirt/kuhnuri_batch_graphics_worker:3.2"
  },
}
```

```
workers: {  
  ...  
  ahf: {  
    image: "jelovirt/kuhnuri_batch_ahf_worker:3.2",  
    vcpus: 1,  
    memory: 2048,  
    assets: [{  
      src: "assets/AHFormatter.lic",  
      dst: "/AHFormatter/etc/AHFormatter.lic"  
    }]  
  }  
},  
environments: [{  
  type: "SPOT"  
}]  
};
```



```
$ npm run deploy
```

Explain like I'm [a] "Business" [person]

- Single cloud service
- Fewer licenses
- CI/CD
- You have to if your product is in the cloud

Explain like I'm dev or ops

- Remove the need to update user installation
- Shared and complex environment with ease
- Stay on DITA-OT 1.x indefinitely



TL;DR

