

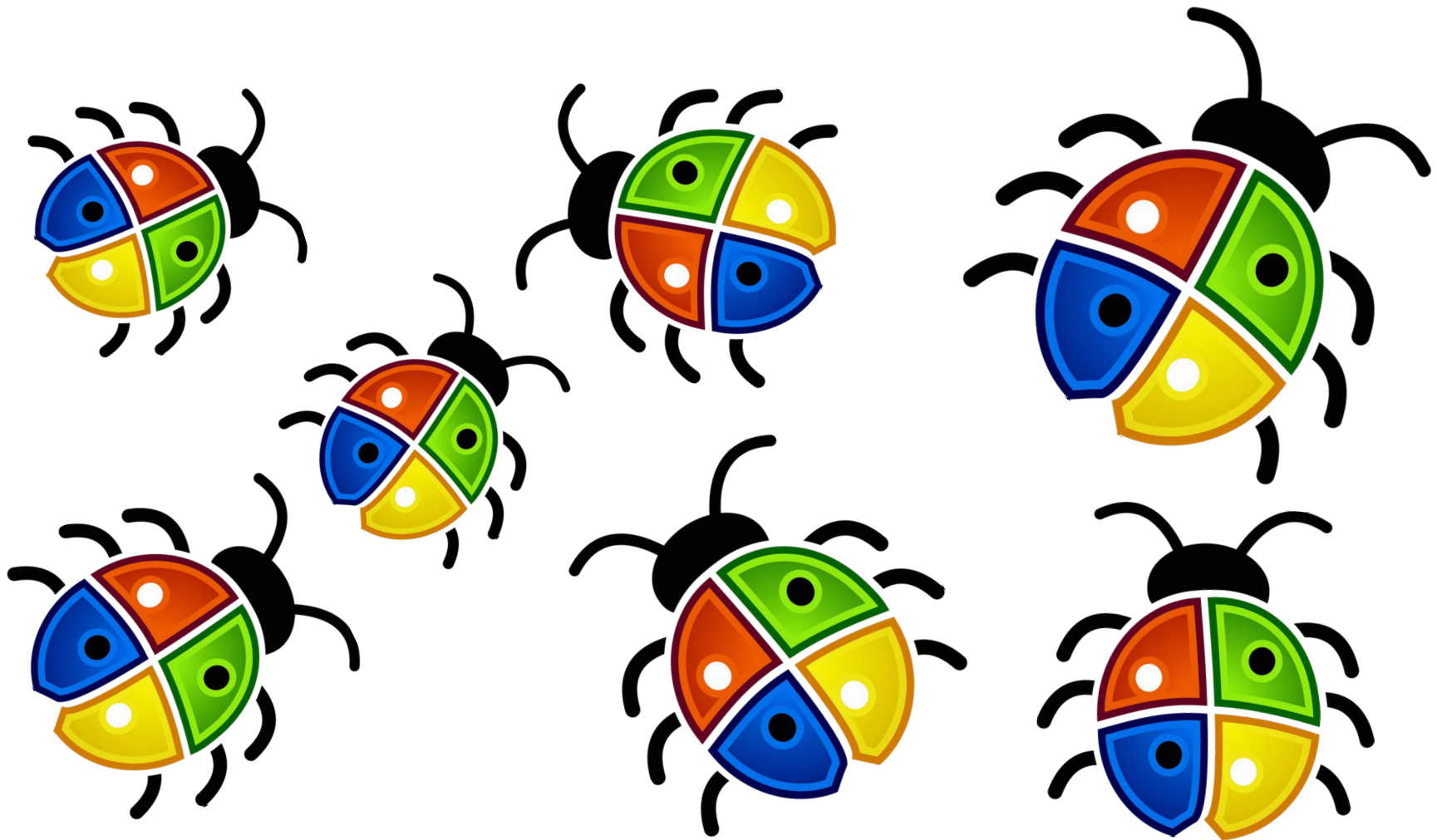
FROM SOURCE TO CLOUD

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WHEN IS A FEATURE DELIVERED?

WHEN IT BRINGS VALUE A CUSTOMER.

WHAT CAN MAKE OUR APPLICATION FAIL?



CONTAINERS ARE NOT A SILVER BULLET





HOW TO FIX BUGS QUICKLY WITH CONTAINERS

tex

TGHU 765741 6
4561

MAX. WT. 30,400 KGS
TAR. WT. 67,200 LBS
PA. WT. 3,845 LBS
CU. CAP. 26,831 KGS
CU. CAP. 8,485 LBS

MAX. GROSS 30,400 KG
TARE 67,200 LB
MAX. CARGO 26,550 KG
CO. CAP. 30,400 LB
2,700 CUFT

CAUTION
96
HIGH

MAX. GROSS 32,500 kg
TARE 7,150 lbs
MAX. PAYLOAD 25,350 kg
CUBE 76.3 m³
2,694 cuft

MAX. GROSS 30,400 KGS
TARE 67,200 LBS
MAX. CARGO 26,550 KGS
CO. CAP. 30,400 LBS
2,700 CUFT

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- **Compatibility changes** in your apps (especially if your apps are talking together) i.e. application versions
- Image version for supporting **tooling** and **configuration** (your baked in configs)
- **Respins** for **base** layer changes
- **CVE respins** of your image
- **Floating** tags handling

ROBUST VERSIONING SCHEME - BYE BYE SEMANTIC VERSIONING

<https://github.com/jboss-dockerfiles/dogen>

A tool for templating your
dockerfiles and keep you sane.



DOGEN - GENERATE YOUR DOCKERFILES

You don't want to pull artifacts from internet to your
images.

Cache all your artifacts locally and reliably.



MAKE YOUR BUILDS RELIABLE & REPRODUCIBLE

CTF - behave driven testing

Ideal for unit like testing of containers

<https://github.com/Containers-Testing-Framework/ctf-cli>

Create a testsuite which **knows** your **infrastructure**.
(ce-arq, fabric8-arquillian)

TESTS YOUR IMAGES

atomic scan images

The following issues were found:

RHSA-2017:1100: nss and nss-util security update (Critical)

Severity: Critical

RHSA URL: <https://access.redhat.com/errata/RHSA-2017:1100>

RHSA ID: RHSA-2017:1100-01

Associated CVEs:

CVE ID: CVE-2017-5461

CVE URL: <https://access.redhat.com/security/cve/CVE-2017-5461>

DO YOU KNOW WHAT IS INSIDE YOUR IMAGE?

Do not use tags - use sha256

```
fedora@sha256:69281ddd7b2600e5f2b17f1e12d7fba25207f459204fb2d  
15884f8432c479136
```

(docker images --digests)

MANIPULATING IMAGES

- **Inspects** images in registries without pulling them
- **Signs** and **verifies** signatures of **images**
- Copies image to/from various end-point:
 - Docker
 - Atomic registry
 - Oci
 - ...

MEET SKEPED - A HANDY TOOL FOR YOUR CONTAINERS MANAGEMENT

- Awesome tool for monitoring
- Collect everything there
- Easy exporter development
- Robust query/alerting language

PROMETHEUS