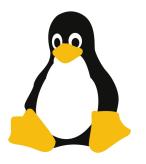




File Distribution





OS

images



Runtime

jvm docker

••



Application

.jar npm modules plugins

•



Configuration

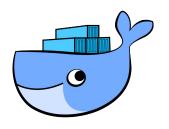
indexes training model

.

Image Distribution







Containers

fat container



DC

datacenter



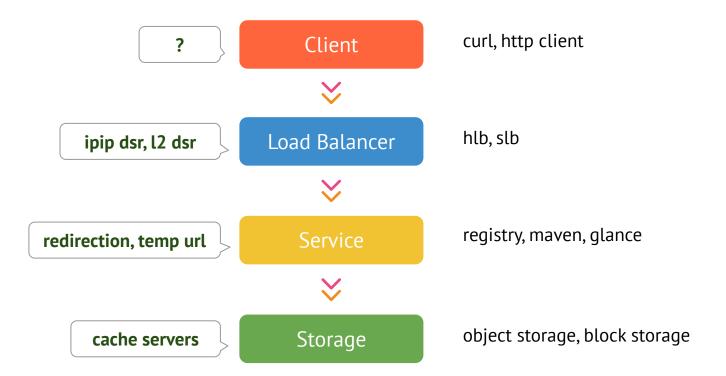
Demonset

deploy/upgrade

Distribution Flow

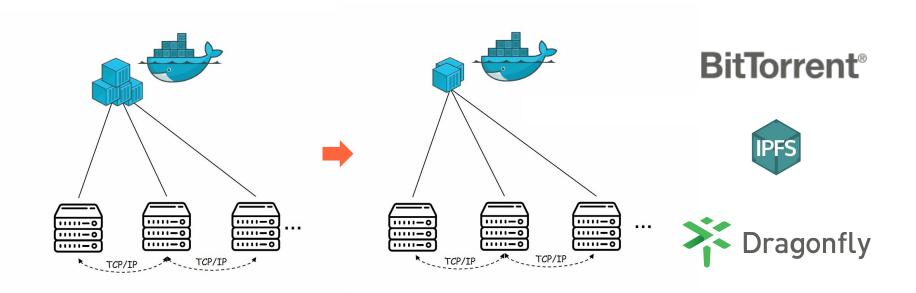








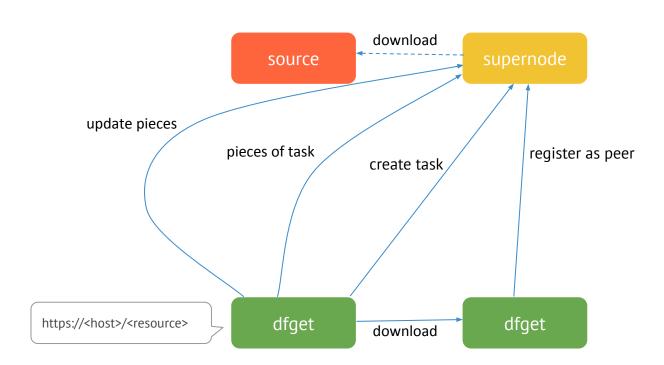
Europe 2019



Dragonfly





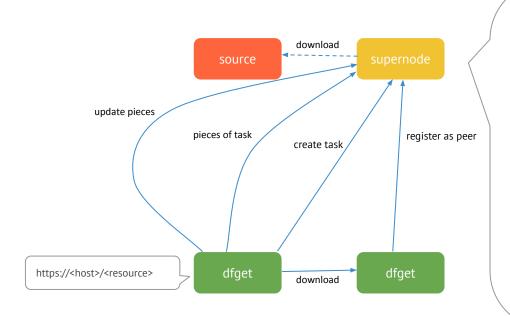


SuperNode





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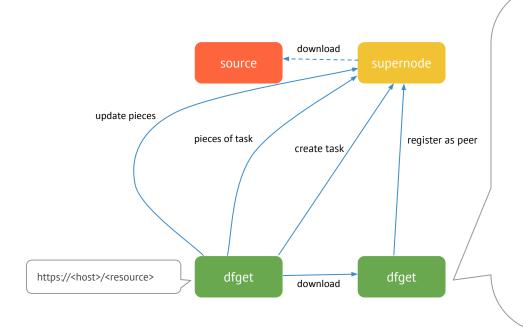
API

- o peers
- tasks
- pieces

Scheduling

- select peers
- Seeding
 - initial seeding





• CLI

- Rate Limit
 - Per Task
 - Per Host
- Checksum
 - integrity check
- Seeding

OCI Images



1. Docker Registry Mirrors

```
--registry-mirror=https://<your awesome mirror>
```

2. Containerd CRI Registry Mirrors

```
[plugins.cri.registry.mirrors]
  [plugins.cri.registry.mirrors."docker.io"]
   endpoint = ["https://registry-1.docker.io"]
  [plugins.cri.registry.mirrors."test.secure-registry.io"]
  endpoint = ["https://HostIP1:Port1"]
  [plugins.cri.registry.mirrors."test.insecure-registry.io"]
  endpoint = ["http://HostIP2:Port2"]
```

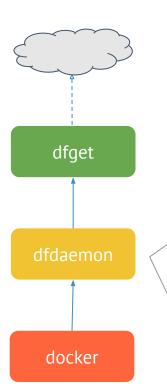
3. Add redirection in your registry

DFDaemon





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Reverse Proxy

```
reverseProxy := httputil.NewSingleHostReverseProxy(target)
reverseProxy.Transport = NewDFRoundTripper(reg.TLSConfig())
reverseProxy.ServeHTTP(w, r)
```

Delegate to dfget

```
func RoundTrip(req *http.Request) (*http.Response, error) {
    dstPath, err := rt.DFGetter.Download(req)
    ...
    fileReq, err := http.NewRequest("GET", "file:///"+dstPath, nil)
    rt.RoundTripper.RoundTrip(fileReq)
}
```

Next Speaker - Cont.





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