

Если вы видите что-то необычное, просто сообщите мне.

Docker pull без docker

Команда запуска:

```
./script dirName "http://localhost:8081/link/to/docker/registry" myAwesomeImage 1.0
```

Пример кода:

```
package main

import (
    "fmt"
    "io"
    "net/http"
    "os"
    "os/exec"
    "path/filepath"
    "strings"
)

func main() {
    downloadDir := os.Args[1]
    url := os.Args[2]
    imageName := os.Args[3]
    tag := os.Args[4]

    layers := getLayers(url, imageName, tag)

    for _, layer := range layers {
        fmt.Println("Downloading", layer)
        downloadLayer(url, imageName, layer, downloadDir)
    }

    untarLayers(downloadDir)
}
```

```

fmt.Println("Download completed successfully")
}

func getLayers(url, imageName, tag string) []string {
    resp, err := http.Get(fmt.Sprintf("%s/v2/%s/manifests/%s", url, imageName, tag))
    if err != nil {
        panic(err)
    }
    defer resp.Body.Close()

    var layers []string
    for _, header := range resp.Header.Values("Docker-Content-Digest") {
        if strings.HasPrefix(header, "sha256:") {
            layers = append(layers, header[7:])
        }
    }

    return layers
}

func downloadLayer(url, imageName, layer, downloadDir string) {
    resp, err := http.Get(fmt.Sprintf("%s/v2/%s/blobs/%s", url, imageName, layer))
    if err != nil {
        panic(err)
    }
    defer resp.Body.Close()

    filePath := filepath.Join(downloadDir, layer+".tar")
    file, err := os.Create(filePath)
    if err != nil {
        panic(err)
    }
    defer file.Close()

    _, err = io.Copy(file, resp.Body)
    if err != nil {
        panic(err)
    }
}

func untarLayers(downloadDir string) {

```

```
func walkTar(downloadDir string) error {
    if err := filepath.Walk(downloadDir, func(path string, info os.FileInfo, err error) error {
        if strings.HasSuffix(info.Name(), ".tar") {
            cmd := exec.Command("tar", "xvf", path, "-C", downloadDir)
            err := cmd.Run()
            if err != nil {
                return err
            }
        }
        return nil
    })
    if err != nil {
        panic(err)
    }

    err = filepath.Walk(downloadDir, func(path string, info os.FileInfo, err error) error {
        if strings.HasSuffix(info.Name(), ".tar") {
            err := os.Remove(path)
            if err != nil {
                return err
            }
        }
        return nil
    })
    if err != nil {
        panic(err)
    }
}
```

Revision #1

Created 2023-12-12 07:07:04 UTC by gasick

Updated 2023-12-12 07:07:53 UTC by gasick