

# Docker image dump

```
ProjectAssignments/ContainerVersioningSystems/LevelThree on  main [?] via ❄ impure (nix-shell-env)
> fd - 'dump/'
dump/blobs/
dump/blobs/sha256/
dump/blobs/sha256/8876a860b8c40b280440ed7678ba677f5a3cb972fddde4198a9a5e159184732f
dump/blobs/sha256/ac28800ec8bb38d5c35b49d45a6ac4777544941199075dff8c4eb63e093aa81e
dump/blobs/sha256/b02b598d5d3b77e7c53873d60cb439e05fa547335b5d1a26b66bf0684657d3a8
dump/blobs/sha256/d2c94e258dcb3c5ac2798d32e1249e42ef01cba4841c2234249495f87264ac5a
dump/index.json
dump/manifest.json
dump/oci-layout
dump/repositories
```

The dump has a `blobs` folder, and four JSON files, `index.json`, `manifest.json`, `oci-layout` and `repositories`.

- `oci-layout` has information on the [OCI](#) image layout version used.
- `repositories` tells you which repository the docker image was fetched from: here, it should be dockerhub
- `index.json` provides the MIME type of the archive, and then the size and a hash of one of the `blobs` (?) - or it links to the `manifest.json`
- `manifest.json` specifies the sources, mine types and sizes of each layer, along with a hash. One blob is read as a layer. One blob is the config. One of the other blobs is a manifest (?)

```
ContainerVersioningSystems/LevelThree/dump on ❸ main [?] via ❄ impure (nix-shell-env)
> bat oci-layout
```

	File: oci-layout
1	<pre>{   "imageLayoutVersion": "1.0.0" }</pre>

```
ContainerVersioningSystems/LevelThree/dump on ❸ main [?] via ❄ impure (nix-shell-env)
> bat repositories
```

	File: repositories
1	<pre>{   "hello-world": {     "latest": "ac2880ec8bb38d5c35b49d45a6ac4777544941199075dff8c4eb63e093aa81e"   } }</pre>

```
ContainerVersioningSystems/LevelThree/dump on ❸ main [?] via ❄ impure (nix-shell-env)
> code ind^C
```

```
ContainerVersioningSystems/LevelThree/dump on ❸ main [?] via ❄ impure (nix-shell-env)
> bat index.json --plain | jq
```

```
{
  "schemaVersion": 2,
  "mediaType": "application/vnd.oci.image.index.v1+json",
  "manifests": [
    {
      "mediaType": "application/vnd.oci.image.manifest.v1+json",
      "digest": "sha256:8876a860b8c40b280440ed7678ba677f5a3cb972fddde4198a9a5e159184732f",
      "size": 398,
      "annotations": {
        "io.containerd.image.name": "docker.io/library/hello-world:latest",
        "org.opencontainers.image.ref.name": "latest"
      }
    }
  ]
}
```

```
ContainerVersioningSystems/LevelThree/dump on ❸ main [?] via ❄ impure (nix-shell-env)
> bat manifest.json
```

	File: manifest.json
1	<pre>[{"Config": "blobs/sha256/d2c94e258dcb3c5ac2798d32e1249e42ef01cba4841c2234249495f87264ac5a", "RepoTags": ["hello-world:latest"], "Layers": ["blobs/sha256/ac2880ec8bb38d5c35b49d45a6ac4777544941199075dff8c4eb63e093aa81e"], "LayerSources": {"sha256:ac2880ec8bb38d5c35b49d45a6ac4777544941199075dff8c4eb63e093aa81e": {"mediaType": "application/vnd.oci.image.layer.v1.tar", "size": 14848, "digest": "sha256:ac2880ec8bb38d5c35b49d45a6ac4777544941199075dff8c4eb63e093aa81e"}}}]</pre>

```
ContainerVersioningSystems/LevelThree/dump on ❸ main [?] via ❄ impure (nix-shell-env)
> bat manifest.json --plain | jq
[
  {
    "Config": "blobs/sha256/d2c94e258dcb3c5ac2798d32e1249e42ef01cba4841c2234249495f87264ac5a",
    "RepoTags": [
      "hello-world:latest"
    ],
    "Layers": [
      "blobs/sha256/ac2880ec8bb38d5c35b49d45a6ac4777544941199075dff8c4eb63e093aa81e"
    ],
    "LayerSources": {
      "sha256:ac2880ec8bb38d5c35b49d45a6ac4777544941199075dff8c4eb63e093aa81e": {
        "mediaType": "application/vnd.oci.image.layer.v1.tar",
        "size": 14848,
        "digest": "sha256:ac2880ec8bb38d5c35b49d45a6ac4777544941199075dff8c4eb63e093aa81e"
      }
    }
  }
]
```