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docker inspect

Description

Return low-level information on Docker objects

Usage

```
$ docker inspect [OPTIONS] NAME|ID [NAME|ID...]
```

Extended description

Docker inspect provides detailed information on constructs controlled by Docker.

By default, `docker inspect` will render results in a JSON array.

For example uses of this command, refer to the examples section below.

Options

Name, shorthand	Default	Description
`--format , -f`		Format the output using the given Go template
`--size , -s`		Display total file sizes if the type is container
`--type`		Return JSON for specified type

Examples

Get an instance’s IP address

For the most part, you can pick out any field from the JSON in a fairly straightforward manner.

```
$ docker inspect --format='{{range .NetworkSettings.Networks}}{{.IPAddress}}{{end}}' $INSTANC
```

Get an instance’s MAC address

```
$ docker inspect --format='{{range .NetworkSettings.Networks}}{{.MacAddress}}{{end}}' $INSTAN
```

Get an instance’s log path

```
$ docker inspect --format='{{.LogPath}}' $INSTANCE_ID
```

Get an instance’s image name

```
$ docker inspect --format='{{.Config.Image}}' $INSTANCE_ID
```

List all port bindings

You can loop over arrays and maps in the results to produce simple text output:

```
$ docker inspect --format='{{range $p, $conf := .NetworkSettings.Ports}} {{$p}} -> {{(index $
```

Find a specific port mapping

The `.Field` syntax doesn’t work when the field name begins with a number, but the template language’s `index` function does. The `.NetworkSettings.Ports` section contains a map of the internal port mappings to a list of external address/port objects. To grab just the numeric public port, you use `index` to find the specific port map, and then `index` 0 contains the first object inside of that. Then we ask for the `HostPort` field to get the public address.

```
$ docker inspect --format='{{(index (index .NetworkSettings.Ports "8787/tcp") 0).HostPort}}'
```

Get a subsection in JSON format

If you request a field which is itself a structure containing other fields, by default you get a Go-style dump of the inner values. Docker adds a template function, `json` , which can be applied to get results in JSON format.

```
$ docker inspect --format='{{json .Config}}' $INSTANCE_ID
```

Parent command

Command	Description
docker (/engine/reference/commandline/docker/)	The base command for the Docker CLI.