| **Docker Compose Construct / Attribute** | **IOx Support** | **Comments** |
| --- | --- | --- |
| aliases | **Yes** |  |
| ARG | **No** | Build options are not supported on IOx. |
| build | **No** | Build options are not supported on IOx. |
| cache\_from | **No** | Build options are not supported on IOx. |
| cap\_add  - ALL  cap\_drop:  - NET\_ADMIN  - SYS\_ADMIN | **Yes** |  |
| cgroup\_parent | **No** | Cannot change cgroup hierarchy on IOx platforms. |
| command | **Yes** |  |
| configs:  my\_config:  file: ./my\_config.txt | **No**  **See comments for alternative method** | Only approved directories or files on the platform can be made available to the app. |
| container\_name | **No** | Container name is used internally by IOx. |
| context | **No** | Build options are not supported on IOx. |
| credential\_spec | **No** | Applicable only for windows. |
| depends\_on  - db  - redis | **Yes** |  |
| deploy | **No** | Specific to swarm. |
| devices:  - "/dev/ttyUSB0:/dev/ttyUSB0" | **Yes** |  |
| dns: 8.8.8.8  dns:  - 8.8.8.8  - 9.9.9.9 | **Yes** |  |
| dns\_search: example.com  dns\_search:  - dc1.example.com  - dc2.example.com | **Yes** |  |
| dockerfile | **No** | Build options are not supported on IOx. |
| entrypoint: /code/entrypoint.sh  entrypoint:  - php  - -d  - zend\_extension=/usr/local/lib/php/extensions/xdebug.so  - -d  - memory\_limit=-1  - vendor/bin/phpunit | **Yes** |  |
| env\_file: .env | **No** | Environment variable from the file on the host cannot be supported as there is not a way to load file on the host file system. |
| environment:  RACK\_ENV: development  SHOW: 'true'  SESSION\_SECRET: | **Yes** |  |
| expose:  - "3000"  - "8000" | **Yes** |  |
| external\_links | **No** | Legacy option. |
| extra\_hosts: - "somehost:162.242.195.82" - "otherhost:50.31.209.229" | **Yes** |  |
| healthcheck:  test: ["CMD", "curl", "-f", "http://localhost"]  interval: 1m30s  timeout: 10s  retries: 3  start\_period: 40s | **Yes** |  |
| image: redis image: ubuntu:14.04  image: tutum/influxdb  image: a4bc65fd | **Yes** |  |
| ipv4\_address: 172.16.238.10  ipv6\_address: 2001:3984:3989::10 | **Yes** |  |
| isolation | **No** |  |
| labels | **No** | Build options are not supported on IOx. |
| labels |  | Specific to swarm. |
| Labels | **No** |  |
| links | **No** | Legacy Deprecated. |
| mode | **No** | Related to cluster configuration. |
| networks | **Yes** |  |
| placement | **No** | Related to cluster configuration. |
| replicas | **No** | Related to cluster configuration. |
| resources:  limits:  cpus: '0.50'  memory: 50M | **No**  **See comments** | Under the deploy section of compose which is not supported.  **Note:** Resources can be specified directly using :cpu\_shares, cpu\_quota, cpuset, mem\_limit in compose version prior to version 3. |
| restart\_policy:  condition: on-failure  delay: 5s  max\_attempts: 3  window: 120s | **Yes** |  |
| rollback\_config | **No** | Specific to Swarm. |
| secrets:  my\_secret:  file: ./my\_secret.txt |  | Only approved directories or files on the platform can be made available to the app. |
| shm\_size | **No** | Build options are not supported on IOx. |
| stop\_grace\_period | **No** |  |
| sysctl | **No** | Blocked list. |
| Tags which directly map to runtime options:  init  logging  network\_mode  pid  ports  restart  security-opt  stop\_signal  tmpfs  ulimits  volumes domainname, hostname, ipc, mac\_address, privileged, read\_only, shm\_size, stdin\_open, tty, user, working\_dir | **Yes** |  |
| target | **No** | Build options are not supported on IOx. |
| update\_config | **No** | Specific to Swarm. |
| userns\_mode | **No** | Blocked list. |
| volumes | **Yes** |  |
| extend | **No** | No support for including multiple docker files. |
| platform | **No** | It is a build instruction for which image to pull. |