
ansible-freebsd-poudriere

Documentation

Release 2.2.0

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This [role](#) and the documentation is work in progress. The current state of this document describes successful configuration and building of amd64 and armv7 packages. Other architectures should work out of the box. Feel free to [share your feedback and report issues](#).

Contributions are welcome.

QUICK START GUIDE

For the users who want to try the role quickly, this guide provides an example of how to install, configure and run Poudriere

Install the role `vbotka.freebsd_poudriere` and the collections

```
shell> ansible-galaxy role install vbotka.freebsd_poudriere
shell> ansible-galaxy collection install community.crypto
shell> ansible-galaxy collection install community.general
```

Create the playbook `pb.yml` for single host `build.example.com` (3)

```
1 shell> cat pb.yml
2 ---
3 - hosts: build.example.com
4   become: true
5   roles:
6     - vbotka.freebsd_poudriere
```

Customize variables. Disable the installation of packages (3). Configure web-server certificate (6-9), repository signing key (12-13) and parameters of Poudriere (16-40). Create the list of architectures the packages will be built for (43) and configure make (46-52). Fit the configuration to your needs.

```
1 shell> cat host_vars/build.example.com/poudriere.yml
2 ---
3 poudriere_install: false
4
5 # cert
6 poudriere_cert_cn: build.example.com
7 poudriere_cert_key: "{{ poudriere_ssl_dir }}/private/{{ poudriere_cert_cn }}.key"
8 poudriere_cert_csr: "{{ poudriere_ssl_dir }}/csr/{{ poudriere_cert_cn }}.csr"
9 poudriere_cert_path: "{{ poudriere_ssl_dir }}/certs/{{ poudriere_cert_cn }}.crt"
10
11 # key
12 poudriere_key_cert: "{{ poudriere_ssl_dir }}/cert/{{ poudriere_cert_cn }}-sk.crt"
13 poudriere_conf_pkg_repo_signing_key: "{{ poudriere_ssl_dir }}/private/{{ poudriere_cert_
14   ↳cn }}-sk.key"
15
16 # conf
17 poudriere_conf_template: poudriere.conf2.j2
18 poudriere_conf_url_base: http://build.example.com
19 poudriere_conf_no_zfs: "no"
```

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```

19 poudriere_conf_zpool: zroot
20 poudriere_conf_use_tmpfs: "no"
21 poudriere_conf_data:
22     ZPOOL: "{{ poudriere_conf_zpool }}"
23     NO_ZFS: "{{ poudriere_conf_no_zfs }}"
24     ZROOTFS: "{{ poudriere_conf_zrootfs }}"
25     FREEBSD_HOST: "{{ poudriere_conf_freebsd_host }}"
26     RESOLV_CONF: "{{ poudriere_conf_resolv_conf }}"
27     BASEFS: "{{ poudriere_conf_basefs }}"
28     SVN_HOST: "{{ poudriere_conf_svn_host }}"
29     POUDRIERE_DATA: "{{ poudriere_conf_poudriere_data }}"
30     USE_PORTLINT: "{{ poudriere_conf_use_portlint }}"
31     USE_TMPFS: "{{ poudriere_conf_use_tmpfs }}"
32     DISTFILES_CACHE: "{{ poudriere_conf_distfiles_cache }}"
33     PKG_REPO_SIGNING_KEY: "{{ poudriere_conf_pkg_repo_signing_key }}"
34     URL_BASE: "{{ poudriere_conf_url_base }}"
35     CHECK_CHANGED_OPTIONS: "{{ poudriere_conf_check_changed_options }}"
36     CHECK_CHANGED_DEPS: "{{ poudriere_conf_check_changed_deps }}"
37     NOLINUX: "yes"
38     USE_COLORS: "yes"
39     PRESERVE_TIMESTAMP: "yes"
40     BUILDER_HOSTNAME: "build"
41
42 # architecture
43 poudriere_pkg_arch: [amd64]
44
45 # make
46 poudriere_make_conf:
47     - "OPTIONS_UNSET+=\t\t\tDOCS NLS X11 EXAMPLES"
48     - "OPTIONS_UNSET+=\t\t\tGSSAPI_BASE KRB_BASE KERBEROS"
49     - "OPTIONS_SET+=\t\t\tGSSAPI_NONE KRB_NONE"
50     - "DEFAULT_VERSIONS+=\t\t\temacs=nox"
51     - "DEFAULT_VERSIONS+=\t\t\tphp=7.4"
52     - "DEFAULT_VERSIONS+=\t\t\tssl=openssl"

```

Create lists of the ports

```

1 shell> cat host_vars/build.example.com/pkg_dict.yml
2 ---
3 pkg_dict_amd64:
4     - pkglist: minimal
5       packages:
6         - shells/bash
7         - devel/git
8         - archivers/gtar
9         - ports-mgmt/pkg
10        - ports-mgmt/portmaster
11        - ports-mgmt/portupgrade
12        - net/rsync
13        - ftp/wget
14     - pkglist: ansible
15       packages:

```

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```

16     - sysutils/ansible
17     - sysutils/py-ansible-lint
18     - sysutils/py-ansible-runner

```

Test syntax

```

shell> ansible-playbook pb.yml --syntax-check

playbook: pb.yml

```

Display the included variables. Enable debug `poudriere_debug=true`

```

1  shell> ansible-playbook pb.yml -t poudriere_debug -e poudriere_debug=true
2
3  PLAY [build.example.com]
4  ↳ *****
5  TASK [Gathering Facts]
6  ↳ *****
7  ok: [build.example.com]
8  TASK [vbotka.freebsd.poudriere : Poudriere Debug]
9  ↳ *****
10 ok: [build.example.com] =>
11   msg:
12   - ansible_architecture [amd64]
13   - ansible_os_family [FreeBSD]
14   - ansible_distribution [FreeBSD]
15   - ansible_distribution_major_version [12]
16   - ansible_distribution_version [12.2]
17   - ansible_distribution_release [12.2-RELEASE]
18   - ansible_python_version [3.7.9]
19   - ''
20   - freebsd_install_method [packages]
21   - freebsd_use_packages [True]
22   - freebsd_install_retries [3]
23   - freebsd_install_delay [5]
24   - ''
25   - poudriere_install [False]
26   - poudriere_dirs [True]
27   - poudriere_key [True]
28   - poudriere_cert [False]
29   - poudriere_conf [True]
30   - poudriere_pkglists [True]
31   - poudriere_options [False]
32   - poudriere_make [True]
33   - poudriere_backup_conf [True]
34   - ''
35   - poudriere_packages
36   - '- ports-mgmt/poudriere'
37   - '- ports-mgmt/portmaster'
   - '- devel/ccache'

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```

38 - ''
39 - poudriere_packages_cert
40 - '- security/py-openssl'
41 - '- security/py-acme-tiny'
42 - ''
43 - poudriere_owner [root]
44 - poudriere_group [wheel]
45 - poudriere_mode [0644]
46 - poudriere_mode_dir [0755]
47 - poudriere_dirs [True]
48 - poudriere_ssl_dir [/usr/local/etc/ssl]
49 - poudriere_ssl_dir_mode [0755]
50 - poudriere_ssl_private_dir [/usr/local/etc/ssl/private]
51 - poudriere_ssl_private_dir_mode [0700]
52 - poudriere_ssl_private_key_mode [0600]
53 - poudriere_ssl_dirs
54 - '- /usr/local/etc/ssl'
55 - '- /usr/local/etc/ssl/crt'
56 - '- /usr/local/etc/ssl/csr'
57 - ''
58 - poudriere_key [True]
59 - poudriere_key_size [4096]
60 - poudriere_key_type [RSA]
61 - poudriere_key_cmd [openssl rsa -in /usr/local/etc/ssl/private/build.example.com-sk.
↪key -pubout -out /usr/local/etc/ssl/crt/build.example.com-sk.crt]
62 - poudriere_key_cert [/usr/local/etc/ssl/crt/build.example.com-sk.crt]
63 - poudriere_conf_PKG_REPO_SIGNING_KEY [/usr/local/etc/ssl/private/build.example.com-sk.
↪key]
64 - ''
65 - poudriere_cert [False]
66 - poudriere_cert_cn [build.example.com]
67 - poudriere_cert_key [/usr/local/etc/ssl/private/build.example.com.key]
68 - poudriere_cert_csr [/usr/local/etc/ssl/csr/build.example.com.csr]
69 - poudriere_cert_path [/usr/local/etc/ssl/certs/build.example.com.crt]
70 - ''
71 - poudriere_conf [True]
72 - poudriere_conf_file [/usr/local/etc/poudriere.conf]
73 - poudriere_conf_template [poudriere.conf2.j2]
74 - poudriere_conf_dir [/usr/local/etc/poudriere.d]
75 - poudriere_conf_dirs
76 - '- dir: /usr/ports/distfiles'
77 - ' group: wheel'
78 - ' mode: ''0755'''
79 - ' owner: root'
80 - ''
81 - poudriere_conf_zpool [zroot]
82 - poudriere_conf_no_zfs [no]
83 - poudriere_conf_zrootfs [/poudriere]
84 - poudriere_conf_freebsd_host [https://download.freebsd.org]
85 - poudriere_conf_resolv_conf [/etc/resolv.conf]
86 - poudriere_conf_basefs [/usr/local/poudriere]
87 - poudriere_conf_svn_host [svn.FreeBSD.org]

```

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```

88 - poudriere_conf_poudriere_data [/usr/local/poudriere/data]
89 - poudriere_conf_use_portlint [no]
90 - poudriere_conf_use_tmpfs [no]
91 - poudriere_conf_distfiles_cache [/usr/ports/distfiles]
92 - poudriere_conf_url_base [http://build.example.com/]
93 - poudriere_conf_check_changed_options [verbose]
94 - poudriere_conf_check_changed_deps [yes]
95 - poudriere_conf_data
96 - 'BASEFS: /usr/local/poudriere'
97 - 'BUILDER_HOSTNAME: build'
98 - 'CHECK_CHANGED_DEPS: 'yes''
99 - 'CHECK_CHANGED_OPTIONS: verbose'
100 - 'DISTFILES_CACHE: /usr/ports/distfiles'
101 - 'FREEBSD_HOST: https://download.freebsd.org'
102 - 'NOLINUX: 'yes''
103 - 'NO_ZFS: 'no''
104 - 'PKG_REPO_SIGNING_KEY: /usr/local/etc/ssl/private/build.example.com-sk.key'
105 - 'POUDRIERE_DATA: /usr/local/poudriere/data'
106 - 'PRESERVE_TIMESTAMP: 'yes''
107 - 'RESOLV_CONF: /etc/resolv.conf'
108 - 'SVN_HOST: svn.FreeBSD.org'
109 - 'URL_BASE: http://build.example.com/'
110 - 'USE_COLORS: 'yes''
111 - 'USE_PORTLINT: 'no''
112 - 'USE_TMPFS: 'no''
113 - 'ZPOOL: zroot'
114 - 'ZROOTFS: /poudriere'
115 - ''
116 - poudriere_pkglists [True]
117 - poudriere_pkglist_dir [/usr/local/etc/poudriere.d/pkglist]
118 - poudriere_pkg_arch [amd64]
119 - ''
120 - poudriere_options [False]
121 - poudriere_make [True]
122 - poudriere_make_file [/usr/local/etc/poudriere.d/make.conf]
123 - poudriere_make_conf
124 - '- "OPTIONS_UNSET+=\t\t\tDOCS NLS X11 EXAMPLES"'
125 - '- "OPTIONS_UNSET+=\t\t\tGSSAPI_BASE KRB_BASE KERBEROS"'
126 - '- "OPTIONS_SET+=\t\t\tGSSAPI_NONE KRB_NONE"'
127 - '- "DEFAULT_VERSIONS+=\t\t\temacs=nox"'
128 - '- "DEFAULT_VERSIONS+=\t\t\tphp=7.4"'
129 - '- "DEFAULT_VERSIONS+=\t\t\tssl=openssl"'
130 - ''
131
132 PLAY RECAP_
133 ↪ *****
build.example.com: ok=2    changed=0    unreachable=0    failed=0    skipped=0    ↪
↪ rescued=0    ignored=0

```

Configure ZFS

<TBD>

Install packages. Enable the installation `poudriere_install=true`

```

1  shell> ansible-playbook pb.yml -t poudriere_packages -e poudriere_install=true
2
3  PLAY [build.example.com]
4  ↳ *****
5
6  TASK [Gathering Facts]
7  ↳ *****
8  ok: [build.example.com]
9
10 TASK [vbotka.freebsd_poudriere : Poudriere Debug]
11 ↳ *****
12 skipping: [build.example.com]
13
14 TASK [vbotka.freebsd_poudriere : packages: Install poudriere packages]
15 ↳ *****
16 ok: [build.example.com]
17
18 TASK [vbotka.freebsd_poudriere : packages: Install poudriere ports]
19 ↳ *****
20 skipping: [build.example.com] => (item=ports-mgmt/poudriere)
21 skipping: [build.example.com] => (item=ports-mgmt/portmaster)
22 skipping: [build.example.com] => (item=devel/ccache)
23
24 TASK [vbotka.freebsd_poudriere : packages: Install packages to create certificate]
25 ↳ *****
26 ok: [build.example.com]
27
28 TASK [vbotka.freebsd_poudriere : packages: Install ports to create certificate]
29 ↳ *****
30 skipping: [build.example.com] => (item=security/py-openssl)
31 skipping: [build.example.com] => (item=security/py-acme-tiny)
32
33 PLAY RECAP
34 ↳ *****
35 build.example.com : ok=3    changed=0    unreachable=0    failed=0    skipped=3    rescued=0    ignored=0

```

Create directories

```

1  shell> ansible-playbook pb.yml -t poudriere_dirs
2
3  PLAY [build.example.com]
4  ↳ *****
5
6  TASK [Gathering Facts]
7  ↳ *****
8  ok: [build.example.com]
9
10 TASK [vbotka.freebsd_poudriere : Poudriere Debug]
11 ↳ *****
12 skipping: [build.example.com]

```

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```

11 TASK [vbotka.freebsd_poudriere : dirs: Create SSL directories]_
    ↳ *****
12 ok: [build.example.com] => (item=/usr/local/etc/ssl)
13 ok: [build.example.com] => (item=/usr/local/etc/ssl/crt)
14 ok: [build.example.com] => (item=/usr/local/etc/ssl/csr)
15
16 TASK [vbotka.freebsd_poudriere : dirs: Create SSL directory /usr/local/etc/ssl/private_
    ↳ mode 0700] *****
17 ok: [build.example.com]
18
19 PLAY RECAP_
    ↳ *****
20 build.example.com: ok=5    changed=3    unreachable=0    failed=0    skipped=1    _
    ↳ rescued=0    ignored=0

```

Generate signing key

```

1 shell> ansible-playbook pb.yml -t poudriere_key
2
3 PLAY [build.example.com]_
    ↳ *****
4
5 TASK [Gathering Facts]_
    ↳ *****
6 ok: [build.example.com]
7
8 TASK [vbotka.freebsd_poudriere : Poudriere Debug]_
    ↳ *****
9 skipping: [build.example.com]
10
11 TASK [vbotka.freebsd_poudriere : key: Generate signing key /usr/local/etc/ssl/private/
    ↳ build.example.com-sk.key]
12 changed: [build.example.com]
13
14 TASK [vbotka.freebsd_poudriere : key: Generate signing crt /usr/local/etc/ssl/crt/build.
    ↳ example.com-sk.crt]
15 changed: [build.example.com]
16
17 PLAY RECAP_
    ↳ *****
18 build.example.com: ok=1    changed=2    unreachable=0    failed=0    skipped=1    _
    ↳ rescued=0    ignored=0

```

```

1 shell> tree /usr/local/etc/ssl/
2 /usr/local/etc/ssl/
3 |-- cert.pem
4 |-- cert.pem.sample -> ../../share/certs/ca-root-nss.crt
5 |-- certs
6 |-- crt
7 |   `-- build.example.com-sk.crt
8 |-- csr
9 `-- private

```

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```
-- build.example.com-sk.key
```

Generate certificate for the web server. Enable the generation `poudriere_cert=true` (default=false)

```
shell> ansible-playbook pb.yml -t poudriere_cert -e poudriere_cert=true

PLAY [build.example.com]
*****

TASK [Gathering Facts]
*****
ok: [build.example.com]

TASK [vbotka.freebsd_poudriere : Poudriere Debug]
*****
skipping: [build.example.com]

TASK [vbotka.freebsd_poudriere : cert: Generate private key /usr/local/etc/ssl/private/
build.example.com.key]
changed: [build.example.com]

TASK [vbotka.freebsd_poudriere : cert: Generate csr /usr/local/etc/ssl/csr/build.example.
com.csr] *****
changed: [build.example.com]

TASK [vbotka.freebsd_poudriere : cert: Generate crt /usr/local/etc/ssl/certs/build.
example.com.crt] ****
changed: [build.example.com]

PLAY RECAP
*****
build.example.com: ok=1    changed=3    unreachable=0    failed=0    skipped=1    rescued=0    ignored=0
```

```
shell> tree /usr/local/etc/ssl/
/usr/local/etc/ssl/
|-- cert.pem
|-- cert.pem.sample -> ../../share/certs/ca-root-nss.crt
|-- certs
|   |-- build.example.com.crt
|   |-- crt
|   |-- build.example.com-sk.crt
|   |-- csr
|   |-- build.example.com.csr
|-- private
|   |-- build.example.com-sk.key
|   |-- build.example.com.key
```

Configure poudriere

```
shell> ansible-playbook pb.yml -t poudriere_conf
```

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```

3  PLAY [build.example.com]
4  ↳ *****
5  TASK [Gathering Facts]
6  ↳ *****
7  ok: [build.example.com]
8  TASK [vbotka.freebsd.poudriere : Poudriere Debug]
9  ↳ *****
10 skipping: [build.example.com]
11 TASK [vbotka.freebsd.poudriere : conf: Create directories]
12 ↳ *****
13 ok: [build.example.com] => (item=/usr/ports/distfiles)
14 TASK [vbotka.freebsd.poudriere : conf: Configure /usr/local/etc/poudriere.conf]
15 ↳ *****
16 changed: [build.example.com]
17 PLAY RECAP
18 ↳ *****
19 build.example.com: ok=2    changed=1    unreachable=0    failed=0    skipped=1    rescued=0    ignored=0

```

```

1  shell> cat /usr/local/etc/poudriere.conf
2  # Ansible managed
3
4  ZPOOL=zroot
5  NO_ZFS=no
6  ZROOTFS=/poudriere
7  FREEBSD_HOST=https://download.freebsd.org
8  RESOLV_CONF=/etc/resolv.conf
9  BASEFS=/usr/local/poudriere
10 SVN_HOST=svn.FreeBSD.org
11 POUDRIERE_DATA=/usr/local/poudriere/data
12 USE_PORTLINT=no
13 USE_TMPFS=no
14 DISTFILES_CACHE=/usr/ports/distfiles
15 PKG_REPO_SIGNING_KEY=/usr/local/etc/ssl/private/build.example.com-sk.key
16 URL_BASE=http://build.example.com/
17 CHECK_CHANGED_OPTIONS=verbose
18 CHECK_CHANGED_DEPS=yes
19 NOLINUX=yes
20 USE_COLORS=yes
21 PRESERVE_TIMESTAMP=yes
22 BUILDER_HOSTNAME=build
23
24 # EOF

```

Create directories (22-23) and create the lists of the ports (37-39)

```

1  shell> ansible-playbook pb.yml -t poudriere_pkglists
2
3  PLAY [build.example.com]
4  ↳ *****
5  TASK [Gathering Facts]
6  ↳ *****
7  ok: [build.example.com]
8
9  TASK [vbotka.freebsd_poudriere : Poudriere Debug]
10 ↳ *****
11 skipping: [build.example.com]
12
13 TASK [vbotka.freebsd_poudriere : pkglists: Create list of packages]
14 ↳ *****
15 included: /export/home/vlado.config/.ansible/roles/vbotka.freebsd_poudriere/tasks/
16 ↳ pkglist.yml for build.example.com
17
18 TASK [vbotka.freebsd_poudriere : conf: Create list _pkg_dict]
19 ↳ *****
20 ok: [build.example.com] => (item=minimal)
21 ok: [build.example.com] => (item=ansible)
22
23 TASK [vbotka.freebsd_poudriere : conf: Debug _pkg_dict]
24 ↳ *****
25 skipping: [build.example.com]
26
27 TASK [vbotka.freebsd_poudriere : conf: Create directories /usr/local/etc/poudriere.d/
28 ↳ pkglist_amd64] *****
29 changed: [build.example.com] => (item=/usr/local/etc/poudriere.d/pkglist_amd64)
30 changed: [build.example.com] => (item=/usr/local/etc/poudriere.d/pkglist_amd64.disabled)
31
32 TASK [vbotka.freebsd_poudriere : conf: Remove lists of packages from /usr/local/etc/
33 ↳ poudriere.d/pkglist_amd64] *****
34 skipping: [build.example.com] => (item=minimal)
35 skipping: [build.example.com] => (item=ansible)
36
37 TASK [vbotka.freebsd_poudriere : conf: Create lists of packages in /usr/local/etc/
38 ↳ poudriere.d/pkglist_amd64.disabled] *
39 skipping: [build.example.com] => (item=minimal)
40 skipping: [build.example.com] => (item=ansible)
41
42 TASK [vbotka.freebsd_poudriere : conf: Remove lists of packages from /usr/local/etc/
43 ↳ poudriere.d/pkglist_amd64.disabled]
44 ok: [build.example.com] => (item=minimal)
45 ok: [build.example.com] => (item=ansible)
46
47 TASK [vbotka.freebsd_poudriere : conf: Create lists of packages in /usr/local/etc/
48 ↳ poudriere.d/pkglist_amd64] *****
49 changed: [build.example.com] => (item=minimal)
50 changed: [build.example.com] => (item=ansible)
51
52 PLAY RECAP
53 ↳ *****

```

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```

42 build.example.com: ok=6    changed=2    unreachable=0    failed=0    skipped=4    ↵
    ↪rescued=0    ignored=0

```

```

1  shell> tree /usr/local/etc/poudriere.d/
2  /usr/local/etc/poudriere.d/
3  |-- pkglist_amd64
4  |   |-- ansible
5  |   `-- minimal
6  `-- pkglist_amd64.disabled
7
8  shell> cat /usr/local/etc/poudriere.d/pkglist_amd64/ansible
9  sysutils/ansible
10 sysutils/py-ansible-lint
11 sysutils/py-ansible-runner
12
13 shell> cat /usr/local/etc/poudriere.d/pkglist_amd64/minimal
14 shells/bash
15 devel/git
16 archivers/gtar
17 ports-mgmt/pkg
18 ports-mgmt/portmaster
19 ports-mgmt/portupgrade
20 net/rsync
21 ftp/wget

```

Configure make

```

1  shell> ansible-playbook pb.yml -t poudriere_make
2
3  PLAY [build.example.com] ↵
4  ↪*****
5
6  TASK [Gathering Facts] ↵
7  ↪*****
8  ok: [build.example.com]
9
10 TASK [vbotka.freebsd_poudriere : Poudriere Debug] ↵
11 ↪*****
12 skipping: [build.example.com]
13
14 TASK [vbotka.freebsd_poudriere : conf: Configure /usr/local/etc/poudriere.d/make.conf] ↵
15 ↪*****
16 changed: [build.example.com]
17
18 PLAY RECAP ↵
19 ↪*****
20 build.example.com: ok=1    changed=1    unreachable=0    failed=0    skipped=1    ↵
21 ↪rescued=0    ignored=0

```

```

1  shell> cat /usr/local/etc/poudriere.d/make.conf
2  # Ansible managed
3  OPTIONS_UNSET+=                                DOCS NLS X11 EXAMPLES

```

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```
4 OPTIONS_UNSET+=                GSSAPI_BASE KRB_BASE KERBEROS
5 OPTIONS_SET+=                  GSSAPI_NONE KRB_NONE
6 DEFAULT_VERSIONS+=            emacs=nox
7 DEFAULT_VERSIONS+=            php=7.2
8 DEFAULT_VERSIONS+=            ssl=openssl
```

The role is idempotent. At this point, Poudriere is installed, configured and ready to build the packages. There should be no changes reported when the playbook is run repeatedly with the same data

```
shell> ansible-playbook pb.yml
```

Build the packages. Login into the host build.example.com and proceed according the [Poudriere documentation](#) , e.g.

```
shell> poudriere jail -c -j 12amd64 -v 12.2-RELEASE
shell> poudriere ports -c -p local
shell> poudriere bulk -j 12amd64 -p local -z devel \
    -f /usr/local/etc/poudriere.d/pkglist_amd64/minimal
```

USER'S GUIDE

2.1 Introduction

Poudriere is a BSD-licensed utility for creating and testing FreeBSD packages. To learn details see the references below

See also:

- [FreeBSD Handbook 4.6. Building Packages with Poudriere](#)
- [FreeBSD Porter's Handbook 10.5. Poudriere](#)
- [FreeBSD Wiki Poudriere: Getting Started - Tutorial](#)
- [DO Tutorials How To Set Up a Poudriere Build System to Create Packages for your FreeBSD Servers](#)
- Ansible role: [freebsd_poudriere](#)
- Supported systems: [FreeBSD](#)
- Requirements: None

2.2 Configuration

2.2.1 Installation

The most convenient way how to install an Ansible role is to use Ansible Galaxy CLI `ansible-galaxy`. The utility comes with the standard Ansible package and provides the user with a simple interface to the Ansible Galaxy's services. For example, take a look at the current status of the role

```
shell> ansible-galaxy role info vbotka.freebsd_poudriere
```

and install it

```
shell> ansible-galaxy role install vbotka.freebsd_poudriere
```

Install the collections

```
shell> ansible-galaxy collection install community.crypto
shell> ansible-galaxy collection install community.general
```

See also:

- To install specific versions from various sources see [Installing content](#)
- Take a look at other roles `shell> ansible-galaxy search --author=vbotka`

2.2.2 Playbook

Create simple playbook that calls this role (6) at a single host build.example.com (3)

```

1 shell> cat pb.yml
2 ---
3 - hosts: build.example.com
4   become: true
5   roles:
6     - vbotka.freebsd-poudriere

```

See also:

- [Understanding Privilege Escalation \(4\)](#)
- [Working with playbooks](#)

2.2.3 Debug

Enable debug output either in the configuration

```
poudriere_debug: true
```

, or set the extra variable in the command. For example, display variables

```
shell> ansible-playbook pb.yml -t poudriere_debug -e poudriere_debug=true
```

Note:

- The debug output of this role is optimized for the **yaml** callback plugin. Set this plugin for example in the environment shell> export ANSIBLE_STDOUT_CALLBACK=yaml
- See details about the yaml callback plugin shell> ansible-doc -t callback yaml
- See list of other callback plugins shell> ansible-doc -t callback -l

See also:

- [Playbook Debugger](#)
- [Debugging modules](#)
- [Python Debugging With Pdb](#)

2.2.4 Tags

The tags provide the user with a very useful tool to run selected tasks of the role. To see what tags are available list the tags of the role with the command

```

shell> ansible-playbook pb.yml --list-tags

playbook: pb.yml

play #1 (build.example.com): build.example.com TAGS: []

```

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```
TASK TAGS: [always, poudriere_cert, poudriere_conf,
poudriere_conf_dirs, poudriere_conf_file, poudriere_debug,
poudriere_dirs, poudriere_key, poudriere_make,
poudriere_options, poudriere_packages, poudriere_pkglists]
```

For example, display the list of the variables and their values with the tag `poudriere_debug` (when the debug is enabled `poudriere_debug: true`)

```
shell> ansible-playbook pb.yml -t poudriere_debug
```

See what packages will be installed

```
shell> ansible-playbook pb.yml -t poudriere_packages --check
```

Install packages and exit the play

```
shell> ansible-playbook pb.yml -t poudriere_packages
```

2.2.5 Variables

See also:

- [Using Variables](#)
- [Ansible variable precedence: Where should I put a variable?](#)

2.2.5.1 Default variables

[defaults/main.yml]

```
1  ---
2  # defaults freebsd_poudriere
3
4  poudriere_install: true
5  poudriere_debug: false
6  poudriere_backup_conf: true
7
8  freebsd_install_method: packages
9  # freebsd_install_method: ports
10 freebsd_use_packages: true
11 freebsd_install_retries: 10
12 freebsd_install_delay: 5
13
14 # packages
15 poudriere_packages:
16   - ports-mgmt/poudriere
17   - ports-mgmt/portmaster
18   - devel/ccache
19 poudriere_packages_cert:
20   - security/py-openssl
21   - security/py-acme-tiny
22
```

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```

23 # owner, group, mode
24 poudriere_owner: root
25 poudriere_group: wheel
26 poudriere_mode: "0644"
27 poudriere_mode_dir: "0755"
28
29 # dirs
30 poudriere_dirs: true
31 poudriere_ssl_dir: /usr/local/etc/ssl
32 poudriere_ssl_dir_mode: "0755"
33 poudriere_ssl_private_dir: /usr/local/etc/ssl/private
34 poudriere_ssl_private_dir_mode: "0700"
35 poudriere_ssl_private_key_mode: "0600"
36 poudriere_ssl_dirs:
37 - "{{ poudriere_ssl_dir }}"
38 - "{{ poudriere_ssl_dir }}/crt"
39 - "{{ poudriere_ssl_dir }}/csr"
40
41 # ssl signing key
42 poudriere_key: true
43 poudriere_key_size: 4096
44 poudriere_key_type: RSA
45 poudriere_key_cert: "{{ poudriere_ssl_dir }}/crt/poudriere-sk.crt"
46 poudriere_conf_pkg_repo_signing_key: "{{ poudriere_ssl_private_dir }}/poudriere-sk.key"
47 poudriere_key_cmd: "openssl rsa -in {{ poudriere_conf_pkg_repo_signing_key }} -pubout -
↳ out {{ poudriere_key_cert }}"
48
49 # ssl cert web server
50 poudriere_cert: false
51 poudriere_cert_key: "{{ poudriere_ssl_private_dir }}/poudriere.key"
52 poudriere_cert_csr: "{{ poudriere_ssl_dir }}/csr/poudriere.csr"
53 poudriere_cert_path: "{{ poudriere_ssl_dir }}/crt/poudriere.crt"
54 # poudriere_cert_cn: build.example.com
55 # poudriere_cert_key: "{{ poudriere_ssl_dir }}/private/{{ poudriere_cert_cn }}.key"
56 # poudriere_cert_csr: "{{ poudriere_ssl_dir }}/csr/{{ poudriere_cert_cn }}.csr"
57 # poudriere_cert_path: "{{ poudriere_ssl_dir }}/certs/{{ poudriere_cert_cn }}.crt"
58
59
60 # configuration
61 # (see /usr/local/etc/poudriere.conf.sample)
62 poudriere_conf: true
63 poudriere_conf_file: /usr/local/etc/poudriere.conf
64 poudriere_conf_template: poudriere.conf.j2
65 poudriere_conf_dir: /usr/local/etc/poudriere.d
66 poudriere_conf_dirs:
67 - dir: "{{ poudriere_conf_distfiles_cache }}"
68   owner: "{{ poudriere_owner }}"
69   group: "{{ poudriere_group }}"
70   mode: "{{ poudriere_mode_dir }}"
71 poudriere_conf_zpool: zroot
72 poudriere_conf_no_zfs: "no"
73 poudriere_conf_zrootfs: /poudriere

```

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```

74 poudriere_conf_freebsd_host: https://download.freebsd.org # Note 1)
75 poudriere_conf_resolv_conf: /etc/resolv.conf
76 poudriere_conf_basefs: /usr/local/poudriere
77 poudriere_conf_svn_host: svn.FreeBSD.org # Note 2)
78 poudriere_conf_poudriere_data: "{{ poudriere_conf_basefs }}/data"
79 poudriere_conf_use_portlint: "no"
80 poudriere_conf_use_tmpfs: "yes"
81 poudriere_conf_distfiles_cache: /usr/ports/distfiles
82 poudriere_conf_url_base: "http://{{ ansible_default_ipv4.address|default('127.0.0.1') }}/
    ↪ "
83 poudriere_conf_check_changed_options: verbose
84 poudriere_conf_check_changed_deps: "yes"
85 poudriere_conf_data: # See templates/poudriere.conf2.j2
86     ZPOOL: "{{ poudriere_conf_zpool }}"
87     no_ZFS: "{{ poudriere_conf_no_zfs }}"
88     ZROOTFS: "{{ poudriere_conf_zrootfs }}"
89     freebsd_HOST: "{{ poudriere_conf_freebsd_host }}"
90     RESOLV_CONF: "{{ poudriere_conf_resolv_conf }}"
91     BASEFS: "{{ poudriere_conf_basefs }}"
92     svn_HOST: "{{ poudriere_conf_svn_host }}"
93     POUDRIERE_DATA: "{{ poudriere_conf_poudriere_data }}"
94     USE_PORTLINT: "{{ poudriere_conf_use_portlint }}"
95     USE_TMPFS: "{{ poudriere_conf_use_tmpfs }}"
96     DISTFILES_CACHE: "{{ poudriere_conf_distfiles_cache }}"
97     PKG_REPO_SIGNING_KEY: "{{ poudriere_conf_pkg_repo_signing_key }}"
98     URL_BASE: "{{ poudriere_conf_url_base }}"
99     check_CHANGED_OPTIONS: "{{ poudriere_conf_check_changed_options }}"
100    CHECK_CHANGED_DEPS: "{{ poudriere_conf_check_changed_deps }}"
101
102 # lists of packages
103 poudriere_pkglists: true
104 poudriere_pkglist_dir: "{{ poudriere_conf_dir }}/pkglist"
105 poudriere_pkg_arch: []
106
107 # options
108 poudriere_options: false
109
110 # make
111 poudriere_make: true
112 poudriere_make_file: "{{ poudriere_conf_dir }}/make.conf"
113 poudriere_make_conf: []
114
115 # Notes
116 #
117 # 1) A.2. FTP Sites https://docs.freebsd.org/en/books/handbook/mirrors-ftp.html
118 # 2) A.3.6. Subversion Mirror Sites https://docs.freebsd.org/en_US.ISO8859-1/books/
    ↪ handbook/svn.html#svn-mirrors
119
120
121 # EOF
122 ...

```

The common variables are stored in the file `defaults/main.yml` (precedence 2.). In the scope of the role, these

variables can be customized in the file `vars/main.yml` (precedence 15.). The file `vars/main.yml` will be preserved by the update of the role.

Warning:

- `group_vars`, `host_vars`, `facts`, `play vars(_prompt, _files)` (precedence 3.-14.) can't override variables set in `vars/main.yml` (precedence 15.). As a result, `vars/main.yml` is not a suitable place to set values specific to the hosts or groups of the hosts. Instead, use it, for example, to set OS-specific values.
- Don't make any changes to the file `defaults/main.yml`. An update of the role will overwrite it. Instead, customize the default values in the file `vars/main.yml`.

See also:

- The examples of the customization [vars/main.yml.sample](#)

2.2.6 Tasks

2.2.6.1 Introduction

The groups of tasks stored in separate files comprise

- Display values of the variables. By default disabled (`poudriere_debug: false`)
- Install packages or ports. By default enabled (`poudriere_install: true`)
- Create SSL directories. By default enabled (`poudriere_dirs: true`)
- Create signing key. By default enabled (`poudriere_key: true`)
- Generate SSL certificate for the web server. By default disabled (`poudriere_cert: false`)
- Configure Poudriere. By default enabled (`poudriere_conf: true`)
- Create lists of ports. By default enabled (`poudriere_pkglists: true`)
- Configure ports' options. By default disabled (`poudriere_options: false`)
- Customize make. By default enabled (`poudriere_make: true`)

Feel free to [share your feedback and report issues](#)

[Contributions are welcome](#)

See also:

- Source code [main.yml](#)

2.2.6.2 Install packages or ports

Install FreeBSD packages or ports needed by Poudriere `poudriere_packages`. Also, install packages needed to generate the signing key, and the certificate `poudriere_packages_cert`.

By default, the installation of packages is enabled

```
poudriere_install: true
freebsd_install_method: packages
```

If you decide to install from ports set

```
freebsd_install_method: ports
```

To install pre-build packages, when available, set

```
freebsd_use_packages: true
```

or build the packages from the ports first

```
freebsd_use_packages: false
```

Install packages

```
shell> ansible-playbook pb.yml -t poudriere_packages -e poudriere_install=true
```

The best practice is disabling the installation to speedup the execution of the playbook

```
poudriere_install: false
```

See also:

- Source code [packages.yml](#)
- FreeBSD Handbook Chapter 4. Installing Applications: Packages and Ports

2.2.6.3 Create SSL directories

By default, the creation of the SSL directories is enabled

```
poudriere_dirs: true
poudriere_ssl_dir: /usr/local/etc/ssl
poudriere_ssl_dirs:
- "{{ poudriere_ssl_dir }}"
- "{{ poudriere_ssl_dir }}/crt"
- "{{ poudriere_ssl_dir }}/csr"
poudriere_ssl_private_dir: /usr/local/etc/ssl/private
```

Create the directories

```
shell> ansible-playbook pb.yml -t poudriere_dirs
```

See also:

- Source code [dirs.yml](#)

2.2.6.4 Generate signing key

By default, the generation of the signing key is enabled

```
poudriere_key: true
```

By default, the names of the files are `poudriere-sk.key` and `poudriere-sk.crt`

```
poudriere_ssl_dir: /usr/local/etc/ssl
poudriere_ssl_private_dir: /usr/local/etc/ssl/private
poudriere_conf_pkg_repo_signing_key: "{{ poudriere_ssl_private_dir }}/poudriere-sk.key"
poudriere_key_cert: "{{ poudriere_ssl_dir }}/crt/poudriere-sk.crt"
```

Optionally, change the paths and names of the files, e.g.

```
poudriere_cert_cn: build.example.com
poudriere_conf_pkg_repo_signing_key: "{{ poudriere_ssl_private_dir }}/{{ poudriere_cert_
  cn }}-sk.key"
poudriere_key_cert: "{{ poudriere_ssl_dir }}/crt/{{ poudriere_cert_cn }}-sk.crt"
```

Generate the signing key

```
shell> ansible-playbook pb.yml -t poudriere_key
```

Review the created files, ownership, and the permissions

```
1 shell> tree /usr/local/etc/ssl/
2 /usr/local/etc/ssl/
3 |-- cert.pem
4 |-- cert.pem.sample -> ../../share/certs/ca-root-nss.crt
5 |-- certs
6 |-- crt
7 |   |-- build.example.com-sk.crt
8 |-- csr
9 |-- private
10  |-- build.example.com-sk.key
```

See also:

- Source code [key.yml](#)

2.2.6.5 Generate SSL certificate

By default, the generation of the SSL certificate for the web server is disabled

```
poudriere_cert: false
```

By default, the names of the files are `poudriere.key` and `poudriere.crt`

```
poudriere_ssl_dir: /usr/local/etc/ssl
poudriere_ssl_private_dir: /usr/local/etc/ssl/private
poudriere_cert_key: "{{ poudriere_ssl_private_dir }}/poudriere.key"
poudriere_csr_path: "{{ poudriere_ssl_dir }}/csr/poudriere.csr"
poudriere_cert_path: "{{ poudriere_ssl_dir }}/crt/poudriere.crt"
```

Optionally, change the paths and names of the files, e.g.

```
poudriere_cert_cn: build.example.com
poudriere_cert_key: "{{ poudriere_ssl_private_dir }}/{{ poudriere_cert_cn }}.key"
poudriere_cert_csr: "{{ poudriere_ssl_dir }}/csr/{{ poudriere_cert_cn }}.csr"
poudriere_cert_path: "{{ poudriere_ssl_dir }}/certs/{{ poudriere_cert_cn }}.crt"
```

Optionally enable and generate the SSL certificate

```
shell> ansible-playbook pb.yml -t poudriere_cert -e poudriere_cert=true
```

Review the created files, ownership, and the permissions

```
1 shell> tree /usr/local/etc/ssl/
2 /usr/local/etc/ssl/
3 |-- cert.pem
4 |-- cert.pem.sample -> ../../share/certs/ca-root-nss.crt
5 |-- certs
6 |   |-- build.example.com.crt
7 |-- crt
8 |   |-- build.example.com-sk.crt
9 |-- csr
10 |   |-- build.example.com.csr
11 |-- private
12 |   |-- build.example.com-sk.key
13 |   |-- build.example.com.key
```

See also:

- Source code [cert.yml](#)

2.2.6.6 Configure Poudriere

By default, the configuration of Poudriere is enabled

```
poudriere_conf: true
```

Read FreeBSD Porter's Handbook [10.5.2. Setting Up Poudriere](#) and see the sample `/usr/local/etc/poudriere.conf.sample`. Customize the variables `poudriere_conf_*` and display the the current values

```
shell> ansible-playbook pb.yml -t poudriere_debug -e poudriere_debug=true
```

```
...
TASK [vbotka.freebsd_poudriere : Poudriere Debug]
*****
ok: [build.example.com] =>
  msg:
  ...
  - poudriere_conf [True]
  - poudriere_conf_file [/usr/local/etc/poudriere.conf]
  - poudriere_conf_template [poudriere.conf2.j2]
  - poudriere_conf_dir [/usr/local/etc/poudriere.d]
  - poudriere_conf_dirs
  - '- dir: /usr/ports/distfiles'
  - ' group: wheel'
  - ' mode: '0755''
  - ' owner: root'
  - ''
  - poudriere_conf_zpool [zroot]
  - poudriere_conf_no_zfs [no]
  - poudriere_conf_zrootfs [/poudriere]
```

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```
- poudriere_conf_freebsd_host [https://download.freebsd.org]
- poudriere_conf_resolv_conf [/etc/resolv.conf]
- poudriere_conf_basefs [/usr/local/poudriere]
- poudriere_conf_svn_host [svn.FreeBSD.org]
- poudriere_conf_poudriere_data [/usr/local/poudriere/data]
- poudriere_conf_use_portlint [no]
- poudriere_conf_use_tmpfs [no]
- poudriere_conf_distfiles_cache [/usr/ports/distfiles]
- poudriere_conf_url_base [http://build.example.com/]
- poudriere_conf_check_changed_options [verbose]
- poudriere_conf_check_changed_deps [yes]
- poudriere_conf_data
- 'BASEFS: /usr/local/poudriere'
- 'BUILDER_HOSTNAME: build'
- 'CHECK_CHANGED_DEPS: 'yes''
- 'CHECK_CHANGED_OPTIONS: verbose'
- 'DISTFILES_CACHE: /usr/ports/distfiles'
- 'FREEBSD_HOST: https://download.freebsd.org'
- 'NOLINUX: 'yes''
- 'NO_ZFS: 'no''
- 'PKG_REPO_SIGNING_KEY: /usr/local/etc/ssl/private/build.example.com-sk.key'
- 'POUDRIERE_DATA: /usr/local/poudriere/data'
- 'PRESERVE_TIMESTAMP: 'yes''
- 'RESOLV_CONF: /etc/resolv.conf'
- 'SVN_HOST: svn.FreeBSD.org'
- 'URL_BASE: http://build.example.com/'
- 'USE_COLORS: 'yes''
- 'USE_PORTLINT: 'no''
- 'USE_TMPFS: 'no''
- 'ZPOOL: zroot'
- 'ZROOTFS: /poudriere'
...
```

Configure Poudriere

```
shell> ansible-playbook pb.yml -t poudriere_conf -e poudriere_conf=true
```

Review the configuration

```
1 shell> cat /usr/local/etc/poudriere.conf
2 # Ansible managed
3
4 ZPOOL=zroot
5 NO_ZFS=no
6 ZROOTFS=/poudriere
7 FREEBSD_HOST=https://download.freebsd.org
8 RESOLV_CONF=/etc/resolv.conf
9 BASEFS=/usr/local/poudriere
10 SVN_HOST=svn.FreeBSD.org
11 POUDRIERE_DATA=/usr/local/poudriere/data
12 USE_PORTLINT=no
13 USE_TMPFS=no
```

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```

14 DISTFILES_CACHE=/usr/ports/distfiles
15 PKG_REPO_SIGNING_KEY=/usr/local/etc/ssl/private/build.example.com-sk.key
16 URL_BASE=http://build.example.com/
17 CHECK_CHANGED_OPTIONS=verbose
18 CHECK_CHANGED_DEPS=yes
19 NOLINUX=yes
20 USE_COLORS=yes
21 PRESERVE_TIMESTAMP=yes
22 BUILDER_HOSTNAME=build
23
24 # EOF

```

See also:

- Source code *conf.yml*
- Template *poudriere.conf.j2*
- FreeBSD Porter's Handbook 10.5.2. Setting Up Poudriere

2.2.6.7 Create lists of portsQuoting from [man\(8\) poudriere-bulk](#)

```

-f file      Absolute path to a file which contains the list of ports to
              build. Ports must be specified in the form category/port
              and shell-style comments are allowed. Multiple -f file
              arguments may be specified at once.

```

By default, the generation of the lists is enabled

```
poudriere_pkglists: true
```

By default, no architecture is selected

```
poudriere_pkg_arch: []
```

Set the required architectures that the packages will be built for, e.g.

```
poudriere_pkg_arch: [amd64]
```

For the selected architectures, set the lists of the dictionaries in the variables `pkgdict_*.yml` and, optionally, disable some lists, e.g.

```

pkglist_enable_amd64:
  apcups: false
  linux: false
  devel: false
  joomla: false
  yazvs: false
  nginx: false
  docker: false
  snmpd: false

```

Create the lists

```
shell> ansible-playbook pb.yml -t poudriere_pkglists
```

Review the created lists of ports

```
[root@build /usr/home/admin]# tree /usr/local/etc/poudriere.d/
/usr/local/etc/poudriere.d/
|-- jails
|   |-- 12amd64
|       |-- arch
|       |-- method
|       |-- mnt
|       |-- timestamp
|       |-- version
|-- pkglist_amd64
|   |-- ansible
|   |-- apache
|   |-- dhcp
|   |-- dns
|   |-- hostap
|   |-- integrity
|   |-- jail
|   |-- leutils
|   |-- mailserver
|   |-- mailserver_sieve
|   |-- mailserver_spamassassin
|   |-- mcrypt
|   |-- minimal
|   |-- mysql
|   |-- mysql_extra
|   |-- pf
|   |-- php
|   |-- postinstall
|   |-- poudriere
|   |-- procmail
|   |-- python
|   |-- roundcube
|   |-- roundcube_aspell
|   |-- rsnapshot
|   |-- security
|   |-- smart
|   |-- ssmtp
|   |-- wpa_supPLICANT
|-- pkglist_amd64.disabled
|   |-- apcups
|   |-- devel
|   |-- docker
|   |-- joomla
|   |-- linux
|   |-- nginx
|   |-- snmpd
|   |-- yazvs
|-- ports
|   |-- local
```

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```

|-- created_fs
|-- method
|-- mnt
`-- timestamp

```

See also:

- Default lists of the dictionaries `pkgdict_*.yaml`

2.2.6.8 Configure ports' options

By default, the configuration of ports' options is disabled

```
poudriere_options: false
```

<TBD>

See also:

- See `man(8) poudriere-options`

2.2.6.9 Customize make

By default, the customization of `make.conf` is enabled

```
poudriere_make: true
poudriere_make_file: "{{ poudriere_conf_dir }}/make.conf"
```

and the customization list is empty

```
poudriere_make_conf: []
```

This would result in an empty file `/usr/local/etc/poudriere.d/make.conf`. Optionally, set the list of the options, e.g.

```
poudriere_make_conf:
- "OPTIONS_UNSET+=\t\t\tDOCS NLS X11 EXAMPLES"
- "OPTIONS_UNSET+=\t\t\tGSSAPI_BASE KRB_BASE KERBEROS"
- "OPTIONS_SET+=\t\t\tGSSAPI_NONE KRB_NONE"
- "DEFAULT_VERSIONS+=\t\t\temacs=nox"
- "DEFAULT_VERSIONS+=\t\t\tphp=7.2"
- "DEFAULT_VERSIONS+=\t\t\tssl=openssl"
```

Customize `make.conf`

```
shell> ansible-playbook pb.yml -t poudriere_make
```

and review the file

```

1 shell> cat /usr/local/etc/poudriere.d/make.conf
2 # Ansible managed
3 OPTIONS_UNSET+=                                DOCS NLS X11 EXAMPLES
4 OPTIONS_UNSET+=                                GSSAPI_BASE KRB_BASE KERBEROS

```

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```
5 OPTIONS_SET+=                GSSAPI_NONE KRB_NONE
6 DEFAULT_VERSIONS+=          emacs=nox
7 DEFAULT_VERSIONS+=          php=7.2
8 DEFAULT_VERSIONS+=          ssl=openssl
```

See also:

- Source code [make.yml](#)
- Template [make.conf.j2](#)
- FreeBSD Porter's Handbook 10.5.10. [Providing a Custom make.conf File](#)

2.2.7 Idempotent role

The role is idempotent. For example, if Poudriere is configured to build packages for two architectures

```
poudriere_pkg_arch: [amd64, arm]
```

there should be no changes reported when the playbook is run repeatedly with the same data

```
shell> ANSIBLE_DISPLAY_OK_HOSTS=false ANSIBLE_DISPLAY_SKIPPED_HOSTS=false ansible-
↳playbook pb.yml

PLAY [build.example.com]
↳*****
included: /home/admin/.ansible/roles/vbotka.freebsd-poudriere/tasks/pkglist.yml for
↳build.example.com
included: /home/admin/.ansible/roles/vbotka.freebsd-poudriere/tasks/pkglist.yml for
↳build.example.com

PLAY RECAP
↳*****
build.example.com: ok=25   changed=0    unreachable=0    failed=0    skipped=11
↳rescued=0    ignored=0
```

2.3 Poudriere

2.3.1 Build the packages

2.3.1.1 Build amd64 packages

2.3.1.1.1 jail create 12amd64

Create the jail

```
shell> poudriere jail -c -j 12amd64 -v 12.2-RELEASE
```

,or update it if it already exists

```
shell> poudriere jail -u -j 12amd64 -v 12.2-RELEASE
```

```

1 [root@build /usr/home/admin]# poudriere jail -c -j 12amd64 -v 12.2-RELEASE
2 [00:00:00] Creating 12amd64 fs at /zroot/poudriere/jails/12amd64... done
3 [00:00:00] Using pre-distributed MANIFEST for FreeBSD 12.2-RELEASE amd64
4 [00:00:00] Fetching base for FreeBSD 12.2-RELEASE amd64
5 /zroot/poudriere/jails/12amd64/fromftp/base.tx          174 MB   664 kBps 04m30s
6 [00:04:32] Extracting base... done
7 [00:05:01] Fetching src for FreeBSD 12.2-RELEASE amd64
8 /zroot/poudriere/jails/12amd64/fromftp/src.txz          163 MB   583 kBps 04m48s
9 [00:09:51] Extracting src... done
10 [00:10:38] Fetching lib32 for FreeBSD 12.2-RELEASE amd64
11 /zroot/poudriere/jails/12amd64/fromftp/lib32.t           63 MB   661 kBps 01m37s
12 [00:12:16] Extracting lib32... done
13 [00:12:25] Cleaning up... done
14 [00:12:25] Recording filesystem state for clean... done
15 [00:12:25] Upgrading using ftp
16 /etc/resolv.conf -> /zroot/poudriere/jails/12amd64/etc/resolv.conf
17 Looking up update.FreeBSD.org mirrors... 3 mirrors found.
18 Fetching public key from update4.freebsd.org... done.
19 Fetching metadata signature for 12.2-RELEASE from update4.freebsd.org... done.
20 Fetching metadata index... done.
21 Fetching 2 metadata files... done.
22 Inspecting system... done.
23 Preparing to download files... done.
24 Fetching 145 patches.....10....20....30....40....50....60....70....80....90....100....
   ↪110....120....130....140.. done.
25 Applying patches... done.
26 Fetching 1 files... done.
27 The following files will be removed as part of updating to
28 12.2-RELEASE-p4:
29 /etc/ssl/certs/2c543cd1.0
30 /etc/ssl/certs/2e4eed3c.0
31 /etc/ssl/certs/480720ec.0
32 /etc/ssl/certs/7d0b38bd.0
33 /etc/ssl/certs/8867006a.0
34 /etc/ssl/certs/ad088e1d.0
35 /etc/ssl/certs/b204d74a.0
36 /etc/ssl/certs/ba89ed3b.0
37 /etc/ssl/certs/c089bbbd.0
38 /etc/ssl/certs/e2799e36.0
39 /usr/share/certs/trusted/GeoTrust_Global_CA.pem
40 /usr/share/certs/trusted/GeoTrust_Primary_Certification_Authority.pem
41 /usr/share/certs/trusted/GeoTrust_Primary_Certification_Authority_-_G3.pem
42 /usr/share/certs/trusted/GeoTrust_Universal_CA.pem
43 /usr/share/certs/trusted/GeoTrust_Universal_CA_2.pem
44 /usr/share/certs/trusted/VeriSign_Class_3_Public_Primary_Certification_Authority_-_G4.pem
45 /usr/share/certs/trusted/VeriSign_Class_3_Public_Primary_Certification_Authority_-_G5.pem
46 /usr/share/certs/trusted/thawte_Primary_Root_CA.pem
47 /usr/share/certs/trusted/thawte_Primary_Root_CA_-_G2.pem
48 /usr/share/certs/trusted/thawte_Primary_Root_CA_-_G3.pem
49 /usr/src/secure/caroot/trusted/GeoTrust_Global_CA.pem

```

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```

50 /usr/src/secure/caroot/trusted/GeoTrust_Primary_Certification_Authority.pem
51 /usr/src/secure/caroot/trusted/GeoTrust_Primary_Certification_Authority_-_G3.pem
52 /usr/src/secure/caroot/trusted/GeoTrust_Universal_CA.pem
53 /usr/src/secure/caroot/trusted/GeoTrust_Universal_CA_2.pem
54 /usr/src/secure/caroot/trusted/VeriSign_Class_3_Public_Primary_Certification_Authority_-_
    ↳G4.pem
55 /usr/src/secure/caroot/trusted/VeriSign_Class_3_Public_Primary_Certification_Authority_-_
    ↳G5.pem
56 /usr/src/secure/caroot/trusted/thawte_Primary_Root_CA.pem
57 /usr/src/secure/caroot/trusted/thawte_Primary_Root_CA_-_G2.pem
58 /usr/src/secure/caroot/trusted/thawte_Primary_Root_CA_-_G3.pem
59 The following files will be added as part of updating to
60 12.2-RELEASE-p4:
61 /etc/ssl/blacklisted/2c543cd1.0
62 /etc/ssl/blacklisted/2e4eed3c.0
63 /etc/ssl/blacklisted/480720ec.0
64 /etc/ssl/blacklisted/7d0b38bd.0
65 /etc/ssl/blacklisted/8867006a.0
66 /etc/ssl/blacklisted/ad088e1d.0
67 /etc/ssl/blacklisted/b204d74a.0
68 /etc/ssl/blacklisted/ba89ed3b.0
69 /etc/ssl/blacklisted/c089bbbd.0
70 /etc/ssl/blacklisted/e2799e36.0
71 /etc/ssl/certs/3fb36b73.0
72 /usr/share/certs/blacklisted/GeoTrust_Global_CA.pem
73 /usr/share/certs/blacklisted/GeoTrust_Primary_Certification_Authority.pem
74 /usr/share/certs/blacklisted/GeoTrust_Primary_Certification_Authority_-_G3.pem
75 /usr/share/certs/blacklisted/GeoTrust_Universal_CA.pem
76 /usr/share/certs/blacklisted/GeoTrust_Universal_CA_2.pem
77 /usr/share/certs/blacklisted/VeriSign_Class_3_Public_Primary_Certification_Authority_-_
    ↳G4.pem
78 /usr/share/certs/blacklisted/VeriSign_Class_3_Public_Primary_Certification_Authority_-_
    ↳G5.pem
79 /usr/share/certs/blacklisted/thawte_Primary_Root_CA.pem
80 /usr/share/certs/blacklisted/thawte_Primary_Root_CA_-_G2.pem
81 /usr/share/certs/blacklisted/thawte_Primary_Root_CA_-_G3.pem
82 /usr/share/certs/trusted/NAVER_Global_Root_Certification_Authority.pem
83 /usr/src/secure/caroot/blacklisted/GeoTrust_Global_CA.pem
84 /usr/src/secure/caroot/blacklisted/GeoTrust_Primary_Certification_Authority.pem
85 /usr/src/secure/caroot/blacklisted/GeoTrust_Primary_Certification_Authority_-_G3.pem
86 /usr/src/secure/caroot/blacklisted/GeoTrust_Universal_CA.pem
87 /usr/src/secure/caroot/blacklisted/GeoTrust_Universal_CA_2.pem
88 /usr/src/secure/caroot/blacklisted/VeriSign_Class_3_Public_Primary_Certification_
    ↳Authority_-_G4.pem
89 /usr/src/secure/caroot/blacklisted/VeriSign_Class_3_Public_Primary_Certification_
    ↳Authority_-_G5.pem
90 /usr/src/secure/caroot/blacklisted/thawte_Primary_Root_CA.pem
91 /usr/src/secure/caroot/blacklisted/thawte_Primary_Root_CA_-_G2.pem
92 /usr/src/secure/caroot/blacklisted/thawte_Primary_Root_CA_-_G3.pem
93 /usr/src/secure/caroot/trusted/NAVER_Global_Root_Certification_Authority.pem
94 The following files will be updated as part of updating to
95 12.2-RELEASE-p4:

```

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```

96 /bin/freebsd-version
97 /lib/libcrypto.so.111
98 /lib/libzfs.so.3
99 /lib/libzfs_core.so.2
100 /lib/libzpool.so.2
101 /rescue/[
102 /rescue/bectl
103 /rescue/bsdlabel
104 /rescue/bunzip2
105 /rescue/bzcat
106 /rescue/bzip2
107 /rescue/camcontrol
108 /rescue/cat
109 /rescue/ccdconfig
110 /rescue/chflags
111 /rescue/chgrp
112 /rescue/chio
113 /rescue/chmod
114 /rescue/chown
115 /rescue/chroot
116 /rescue/clri
117 /rescue/cp
118 /rescue/csh
119 /rescue/date
120 /rescue/dd
121 /rescue/devfs
122 /rescue/df
123 /rescue/dhclient
124 /rescue/disklabel
125 /rescue/dmesg
126 /rescue/dump
127 /rescue/dumpfs
128 /rescue/dumpon
129 /rescue/echo
130 /rescue/ed
131 /rescue/ex
132 /rescue/expr
133 /rescue/fastboot
134 /rescue/fasthalt
135 /rescue/fdisk
136 /rescue/fsck
137 /rescue/fsck_4.2bsd
138 /rescue/fsck_ffs
139 /rescue/fsck_msdosfs
140 /rescue/fsck_ufs
141 /rescue/fsdb
142 /rescue/fsirand
143 /rescue/gbde
144 /rescue/geom
145 /rescue/getfacl
146 /rescue/glabel
147 /rescue/gpart

```

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```

148 /rescue/groups
149 /rescue/gunzip
150 /rescue/gzcat
151 /rescue/gzip
152 /rescue/halt
153 /rescue/head
154 /rescue/hostname
155 /rescue/id
156 /rescue/ifconfig
157 /rescue/init
158 /rescue/ipf
159 /rescue/iscsictl
160 /rescue/iscsid
161 /rescue/kenv
162 /rescue/kill
163 /rescue/kldconfig
164 /rescue/kldload
165 /rescue/kldstat
166 /rescue/kldunload
167 /rescue/ldconfig
168 /rescue/less
169 /rescue/link
170 /rescue/ln
171 /rescue/ls
172 /rescue/lzcat
173 /rescue/lzma
174 /rescue/md5
175 /rescue/mdconfig
176 /rescue/mdmfs
177 /rescue/mkdir
178 /rescue/mknod
179 /rescue/more
180 /rescue/mount
181 /rescue/mount_cd9660
182 /rescue/mount_msdosfs
183 /rescue/mount_nfs
184 /rescue/mount_nullfs
185 /rescue/mount_udf
186 /rescue/mount_unionfs
187 /rescue/mt
188 /rescue/mv
189 /rescue/nc
190 /rescue/newfs
191 /rescue/newfs_msdos
192 /rescue/nos-tun
193 /rescue/pgrep
194 /rescue/ping
195 /rescue/ping6
196 /rescue/pkill
197 /rescue/poweroff
198 /rescue/ps
199 /rescue/pwd

```

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```

200 /rescue/rcorder
201 /rescue/rdump
202 /rescue/realpath
203 /rescue/reboot
204 /rescue/red
205 /rescue/rescue
206 /rescue/restore
207 /rescue/rm
208 /rescue/rmdir
209 /rescue/route
210 /rescue/routed
211 /rescue/rrestore
212 /rescue/rtquery
213 /rescue/rtsol
214 /rescue/savecore
215 /rescue/sed
216 /rescue/setfacl
217 /rescue/sh
218 /rescue/shutdown
219 /rescue/sleep
220 /rescue/spppcontrol
221 /rescue/stty
222 /rescue/swapon
223 /rescue/sync
224 /rescue/sysctl
225 /rescue/tail
226 /rescue/tar
227 /rescue/tcsh
228 /rescue/tee
229 /rescue/test
230 /rescue/tunefs
231 /rescue/umount
232 /rescue/unlink
233 /rescue/unlzma
234 /rescue/unxz
235 /rescue/unzstd
236 /rescue/vi
237 /rescue/whoami
238 /rescue/xz
239 /rescue/xzcat
240 /rescue/zcat
241 /rescue/zdb
242 /rescue/zfs
243 /rescue/zpool
244 /rescue/zstd
245 /rescue/zstdcat
246 /rescue/zstdmt
247 /sbin/ipfw
248 /sbin/rtsol
249 /sbin/zpool
250 /usr/bin/zinject
251 /usr/bin/ztest

```

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```

252 /usr/include/net/if_var.h
253 /usr/include/openssl/asn1err.h
254 /usr/include/sys/filedesc.h
255 /usr/include/sys/jail.h
256 /usr/lib/libcrypto.a
257 /usr/lib/libcrypto_p.a
258 /usr/lib/libpam.a
259 /usr/lib/libzfs.a
260 /usr/lib/libzfs_core.a
261 /usr/lib/libzfs_core_p.a
262 /usr/lib/libzfs_p.a
263 /usr/lib/libzpool.a
264 /usr/lib/pam_login_access.so.6
265 /usr/lib32/libcrypto.a
266 /usr/lib32/libcrypto.so.111
267 /usr/lib32/libcrypto_p.a
268 /usr/lib32/libpam.a
269 /usr/lib32/libzfs.a
270 /usr/lib32/libzfs.so.3
271 /usr/lib32/libzfs_core.a
272 /usr/lib32/libzfs_core.so.2
273 /usr/lib32/libzfs_core_p.a
274 /usr/lib32/libzfs_p.a
275 /usr/lib32/libzpool.a
276 /usr/lib32/libzpool.so.2
277 /usr/lib32/pam_login_access.so.6
278 /usr/sbin/freebsd-update
279 /usr/sbin/rtsold
280 /usr/sbin/zdb
281 /usr/sbin/zfsd
282 /usr/sbin/zhack
283 /usr/share/man/man2/jail.2.gz
284 /usr/share/man/man2/jail_attach.2.gz
285 /usr/share/man/man2/jail_get.2.gz
286 /usr/share/man/man2/jail_remove.2.gz
287 /usr/share/man/man2/jail_set.2.gz
288 /usr/share/zoneinfo/Africa/Accra
289 /usr/share/zoneinfo/Africa/Addis_Ababa
290 /usr/share/zoneinfo/Africa/Algiers
291 /usr/share/zoneinfo/Africa/Asmara
292 /usr/share/zoneinfo/Africa/Asmera
293 /usr/share/zoneinfo/Africa/Bangui
294 /usr/share/zoneinfo/Africa/Brazzaville
295 /usr/share/zoneinfo/Africa/Casablanca
296 /usr/share/zoneinfo/Africa/Dar_es_Salaam
297 /usr/share/zoneinfo/Africa/Djibouti
298 /usr/share/zoneinfo/Africa/Douala
299 /usr/share/zoneinfo/Africa/El_Aaiun
300 /usr/share/zoneinfo/Africa/Juba
301 /usr/share/zoneinfo/Africa/Kampala
302 /usr/share/zoneinfo/Africa/Kinshasa
303 /usr/share/zoneinfo/Africa/Lagos

```

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```

304 /usr/share/zoneinfo/Africa/Libreville
305 /usr/share/zoneinfo/Africa/Luanda
306 /usr/share/zoneinfo/Africa/Malabo
307 /usr/share/zoneinfo/Africa/Mogadishu
308 /usr/share/zoneinfo/Africa/Nairobi
309 /usr/share/zoneinfo/Africa/Niamey
310 /usr/share/zoneinfo/Africa/Porto-Novo
311 /usr/share/zoneinfo/America/Belize
312 /usr/share/zoneinfo/America/Dawson
313 /usr/share/zoneinfo/America/Grand_Turk
314 /usr/share/zoneinfo/America/Nassau
315 /usr/share/zoneinfo/America/Whitehorse
316 /usr/share/zoneinfo/Antarctica/Casey
317 /usr/share/zoneinfo/Antarctica/Macquarie
318 /usr/share/zoneinfo/Asia/Gaza
319 /usr/share/zoneinfo/Asia/Hebron
320 /usr/share/zoneinfo/Asia/Jerusalem
321 /usr/share/zoneinfo/Asia/Tel_Aviv
322 /usr/share/zoneinfo/Atlantic/Bermuda
323 /usr/share/zoneinfo/Australia/ACT
324 /usr/share/zoneinfo/Australia/Adelaide
325 /usr/share/zoneinfo/Australia/Brisbane
326 /usr/share/zoneinfo/Australia/Broken_Hill
327 /usr/share/zoneinfo/Australia/Canberra
328 /usr/share/zoneinfo/Australia/Currie
329 /usr/share/zoneinfo/Australia/Darwin
330 /usr/share/zoneinfo/Australia/Eucla
331 /usr/share/zoneinfo/Australia/Hobart
332 /usr/share/zoneinfo/Australia/Lindeman
333 /usr/share/zoneinfo/Australia/Melbourne
334 /usr/share/zoneinfo/Australia/NSW
335 /usr/share/zoneinfo/Australia/North
336 /usr/share/zoneinfo/Australia/Perth
337 /usr/share/zoneinfo/Australia/Queensland
338 /usr/share/zoneinfo/Australia/South
339 /usr/share/zoneinfo/Australia/Sydney
340 /usr/share/zoneinfo/Australia/Tasmania
341 /usr/share/zoneinfo/Australia/Victoria
342 /usr/share/zoneinfo/Australia/West
343 /usr/share/zoneinfo/Australia/Yancowinna
344 /usr/share/zoneinfo/Canada/Yukon
345 /usr/share/zoneinfo/Europe/Budapest
346 /usr/share/zoneinfo/Europe/Monaco
347 /usr/share/zoneinfo/Europe/Paris
348 /usr/share/zoneinfo/Europe/Volgograd
349 /usr/share/zoneinfo/Indian/Antananarivo
350 /usr/share/zoneinfo/Indian/Comoro
351 /usr/share/zoneinfo/Indian/Mahe
352 /usr/share/zoneinfo/Indian/Mayotte
353 /usr/share/zoneinfo/Israel
354 /usr/share/zoneinfo/Pacific/Efate
355 /usr/share/zoneinfo/Pacific/Fiji

```

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```

356 /usr/share/zoneinfo/zone.tab
357 /usr/share/zoneinfo/zone1970.tab
358 /usr/src/cddl/contrib/opensolaris/lib/libzfs/common/libzfs_sendrecv.c
359 /usr/src/contrib/tzdata/Makefile
360 /usr/src/contrib/tzdata/NEWS
361 /usr/src/contrib/tzdata/README
362 /usr/src/contrib/tzdata/africa
363 /usr/src/contrib/tzdata/antarctica
364 /usr/src/contrib/tzdata/asia
365 /usr/src/contrib/tzdata/australasia
366 /usr/src/contrib/tzdata/backward
367 /usr/src/contrib/tzdata/backzone
368 /usr/src/contrib/tzdata/etcetera
369 /usr/src/contrib/tzdata/europe
370 /usr/src/contrib/tzdata/leap-seconds.list
371 /usr/src/contrib/tzdata/leapseconds
372 /usr/src/contrib/tzdata/leapseconds.awk
373 /usr/src/contrib/tzdata/northamerica
374 /usr/src/contrib/tzdata/southamerica
375 /usr/src/contrib/tzdata/theory.html
376 /usr/src/contrib/tzdata/version
377 /usr/src/contrib/tzdata/ziguard.awk
378 /usr/src/contrib/tzdata/zishrink.awk
379 /usr/src/contrib/tzdata/zone.tab
380 /usr/src/contrib/tzdata/zone1970.tab
381 /usr/src/contrib/tzdata/zoneinfo2tdf.pl
382 /usr/src/crypto/openssl/crypto/asn1/asn1_err.c
383 /usr/src/crypto/openssl/crypto/asn1/tasn_dec.c
384 /usr/src/crypto/openssl/crypto/asn1/tasn_enc.c
385 /usr/src/crypto/openssl/crypto/err/openssl.txt
386 /usr/src/crypto/openssl/crypto/x509v3/v3_genn.c
387 /usr/src/crypto/openssl/include/openssl/asn1err.h
388 /usr/src/lib/libc/sys/jail.2
389 /usr/src/lib/libpam/modules/pam_login_access/login_access.c
390 /usr/src/sbin/ipfw/dummysnet.c
391 /usr/src/sbin/ipfw/ipfw2.c
392 /usr/src/sbin/ipfw/nat64lsn.c
393 /usr/src/sbin/ipfw/tables.c
394 /usr/src/sys/amd64/linux/linux_machdep.c
395 /usr/src/sys/amd64/linux32/linux32_machdep.c
396 /usr/src/sys/arm64/linux/linux_machdep.c
397 /usr/src/sys/cddl/contrib/opensolaris/uts/common/sys/fs/zfs.h
398 /usr/src/sys/compat/freebsd32/freebsd32_misc.c
399 /usr/src/sys/conf/newvers.sh
400 /usr/src/sys/dev/xen/balloon/balloon.c
401 /usr/src/sys/dev/xen/blkback/blkback.c
402 /usr/src/sys/dev/xen/control/control.c
403 /usr/src/sys/dev/xen/xenstore/xenstore.c
404 /usr/src/sys/dev/xen/xenstore/xenstore_dev.c
405 /usr/src/sys/fs/autofs/autofs_vnops.c
406 /usr/src/sys/fs/msdosfs/msdosfs_vnops.c
407 /usr/src/sys/fs/smbfs/smbfs_io.c

```

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```

408 /usr/src/sys/fs/tmpfs/tmpfs_subr.c
409 /usr/src/sys/i386/linux/linux_machdep.c
410 /usr/src/sys/kern/kern_descrip.c
411 /usr/src/sys/kern/kern_exec.c
412 /usr/src/sys/kern/kern_fork.c
413 /usr/src/sys/kern/kern_jail.c
414 /usr/src/sys/kern/kern_timeout.c
415 /usr/src/sys/kern/subr_syscall.c
416 /usr/src/sys/kern/uipc_mqueue.c
417 /usr/src/sys/net/if.c
418 /usr/src/sys/net/if_var.h
419 /usr/src/sys/netinet6/icmp6.c
420 /usr/src/sys/sys/filedesc.h
421 /usr/src/sys/sys/jail.h
422 /usr/src/sys/x86/x86/ucode.c
423 /usr/src/sys/xen/xenbus/xenbus.c
424 /usr/src/sys/xen/xenbus/xenbusb.c
425 /usr/src/sys/xen/xenbus/xenbusvar.h
426 /usr/src/sys/xen/xenstore/xenstorevar.h
427 /usr/src/usr.sbin/freebsd-update/freebsd-update.sh
428 /usr/src/usr.sbin/rtssold/rtssol.c
429 Installing updates...Scanning //usr/share/certs/blacklisted for certificates...
430 Scanning //usr/share/certs/trusted for certificates...
431 done.
432 12.2-RELEASE-p4
433 [00:13:50] Recording filesystem state for clean... done
434 [00:13:50] Jail 12amd64 12.2-RELEASE-p4 amd64 is ready to be used

```

2.3.1.1.2 ports create

```

1 [root@build /usr/home/admin]# poudriere ports -c -p local
2 [00:00:00] Creating local fs at /zroot/poudriere/ports/local... done
3 [00:00:00] Checking out the ports tree... done

```

Optionaly update ports' tree if it has already been created

```

1 [root@build /usr/home/admin]# poudriere ports -u -p local
2 [00:00:00] Creating local fs at /zroot/poudriere/ports/local... done
3 [00:00:00] Checking out the ports tree... done

```

2.3.1.1.3 options for 12amd64

If necessary, manually change options and dependencies for the specified ports

```

[root@build /usr/home/admin]# poudriere options -j 12amd64 -p local -z devel -f /usr/
↪local/etc/poudriere.d/pkglist_amd64/minimal
<TBD>

```

2.3.1.1.4 bulk minimal 12amd64

HW and OS info

```
[root@truenas ~]# dmesg
...
FreeBSD 12.2-RELEASE-p3 7851f4a452d(HEAD) TRUENAS amd64
FreeBSD clang version 10.0.1 (git@github.com:llvm/llvm-project.git llvmorg-10.0.1-0-
↳gef32c611aa2)
VT(vga): text 80x25
CPU: Intel(R) Xeon(R) CPU                E5620  @ 2.40GHz (2399.37-MHz K8-class CPU)
...
```

VM info

```
[admin@build ~]$ dmesg
FreeBSD 12.2-RELEASE r366954 GENERIC amd64
FreeBSD clang version 10.0.1 (git@github.com:llvm/llvm-project.git llvmorg-10.0.1-0-
↳gef32c611aa2)
VT(efib): resolution 1024x768
CPU: Intel(R) Xeon(R) CPU                E5620  @ 2.40GHz (2399.33-MHz K8-class CPU)
...
Hypervisor: Origin = "bhyve bhyve "
real memory = 68717379584 (65534 MB)
avail memory = 16618844160 (15848 MB)
Event timer "LAPIC" quality 600
ACPI APIC Table: <BHYVE  BVMADT  >
FreeBSD/SMP: Multiprocessor System Detected: 16 CPUs
FreeBSD/SMP: 1 package(s) x 4 core(s) x 4 hardware threads
...
```

VM OS info

```
[admin@build ~]$ uname -a
FreeBSD build.example.com 12.2-RELEASE FreeBSD 12.2-RELEASE r366954 GENERIC  amd64
```

Result (line 354 in the log below)

```
[12amd64-local-devel] [2021-03-22_22h42m18s] [committing:] Queued: 160 Built: 158
↳Failed: 1   Skipped: 1   Ignored: 0   Tobuild: 0   Time: 01:52:20
```

Command and log. Use `sysutils/tmux` to open the remote session (see `tmux` vs. `screen`)

```
1 [root@build /usr/home/admin]# poudriere bulk -j 12amd64 -p local -z devel -f /usr/local/
↳etc/poudriere.d/pkglist_amd64/minimal
2 [00:00:01] Creating the reference jail... done
3 [00:00:09] Mounting system devices for 12amd64-local-devel
4 [00:00:09] Mounting ports/packages/distfiles
5 [00:00:09] Converting package repository to new format
6 [00:00:09] Stashing existing package repository
7 [00:00:09] Mounting packages from: /zroot/poudriere/data/packages/12amd64-local-devel
8 /etc/resolv.conf -> /zroot/poudriere/data/.m/12amd64-local-devel/ref/etc/resolv.conf
9 [00:00:09] Starting jail 12amd64-local-devel
10 [00:00:10] Logs: /zroot/poudriere/data/logs/bulk/12amd64-local-devel/2021-03-22_22h42m18s
```

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```

11 [00:00:10] WWW: http://build.example.com//build.html?mastername=12amd64-local-devel&
    ↪build=2021-03-22_22h42m18s
12 [00:00:10] Loading MOVED for /zroot/poudriere/data/.m/12amd64-local-devel/ref/usr/ports
13 [00:00:16] Ports supports: FLAVORS SELECTED_OPTIONS
14 [00:00:16] Gathering ports metadata
15 [00:00:19] Calculating ports order and dependencies
16 [00:00:19] pkg package missing, skipping sanity
17 [00:00:19] Skipping incremental rebuild and repository sanity checks
18 [00:00:25] Cleaning the build queue
19 [00:00:26] Sanity checking build queue
20 [00:00:26] Processing PRIORITY_BOOST
21 [00:00:26] Balancing pool
22 [00:00:26] Recording filesystem state for prepkg... done
23 [00:00:26] Building 160 packages using 16 builders
24 [00:00:26] Starting/Cloning builders
25 [00:01:26] Hit CTRL+t at any time to see build progress and stats
26 [00:01:26] [01] [00:00:00] Building ports-mgmt/pkg | pkg-1.16.3
27 [00:03:30] [01] [00:02:04] Finished ports-mgmt/pkg | pkg-1.16.3: Success
28 [00:03:30] [01] [00:00:00] Building print/indexinfo | indexinfo-0.3.1
29 [00:03:30] [02] [00:00:00] Building devel/pkgconf | pkgconf-1.7.4,1
30 [00:03:30] [03] [00:00:00] Building lang/perl5.32 | perl5-5.32.1_1
31 [00:03:30] [04] [00:00:00] Building converters/libiconv | libiconv-1.16
32 [00:03:30] [05] [00:00:00] Building textproc/xmlcatmgr | xmlcatmgr-2.2_2
33 [00:03:30] [06] [00:00:00] Building devel/autoconf-wrapper | autoconf-wrapper-20131203
34 [00:03:30] [07] [00:00:00] Building textproc/expat2 | expat-2.2.10
35 [00:03:30] [08] [00:00:00] Building devel/pcre | pcre-8.44
36 [00:03:30] [09] [00:00:00] Building lang/tcl86 | tcl86-8.6.11_1
37 [00:03:30] [10] [00:00:00] Building devel/libedit | libedit-3.1.20191231,1
38 [00:03:30] [11] [00:00:00] Building devel/npth | npth-1.6
39 [00:03:31] [12] [00:00:00] Building print/libpaper | libpaper-1.1.24.4
40 [00:03:31] [13] [00:00:00] Building devel/cvsp | cvsp-2.1_2
41 [00:03:31] [14] [00:00:00] Building ports-mgmt/portmaster | portmaster-3.19_27
42 [00:03:42] [06] [00:00:12] Finished devel/autoconf-wrapper | autoconf-wrapper-20131203:
    ↪Success
43 [00:03:42] [01] [00:00:12] Finished print/indexinfo | indexinfo-0.3.1: Success
44 [00:03:43] [06] [00:00:00] Building devel/libunistring | libunistring-0.9.10_1
45 [00:03:43] [15] [00:00:00] Building devel/gettext-runtime | gettext-runtime-0.21
46 [00:03:43] [16] [00:00:00] Building devel/libtextstyle | libtextstyle-0.21
47 [00:03:43] [01] [00:00:00] Building devel/libffi | libffi-3.3_1
48 [00:03:44] [14] [00:00:13] Finished ports-mgmt/portmaster | portmaster-3.19_27: Success
49 [00:03:45] [14] [00:00:00] Building devel/readline | readline-8.1.0
50 [00:03:51] [13] [00:00:20] Finished devel/cvsp | cvsp-2.1_2: Success
51 [00:03:57] [05] [00:00:27] Finished textproc/xmlcatmgr | xmlcatmgr-2.2_2: Success
52 [00:03:57] [05] [00:00:00] Building textproc/iso8879 | iso8879-1986_3
53 [00:03:58] [13] [00:00:01] Building textproc/xmlcharent | xmlcharent-0.3_2
54 [00:03:59] [12] [00:00:28] Finished print/libpaper | libpaper-1.1.24.4: Success
55 [00:04:00] [12] [00:00:00] Building textproc/sdocbook-xml | sdocbook-xml-1.1_2,2
56 [00:04:01] [11] [00:00:31] Finished devel/npth | npth-1.6: Success
57 [00:04:04] [13] [00:00:07] Finished textproc/xmlcharent | xmlcharent-0.3_2: Success
58 [00:04:04] [05] [00:00:07] Finished textproc/iso8879 | iso8879-1986_3: Success
59 [00:04:05] [11] [00:00:01] Building textproc/docbook-xml | docbook-xml-5.0_3
60 [00:04:05] [05] [00:00:00] Building textproc/docbook-sgml | docbook-sgml-4.5_1

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```

61 [00:04:06] [12] [00:00:06] Finished textproc/sdocbook-xml | sdocbook-xml-1.1_2,2: Success
62 [00:04:14] [05] [00:00:09] Finished textproc/docbook-sgml | docbook-sgml-4.5_1: Success
63 [00:04:15] [11] [00:00:11] Finished textproc/docbook-xml | docbook-xml-5.0_3: Success
64 [00:04:16] [05] [00:00:00] Building textproc/docbook | docbook-1.5
65 [00:04:17] [01] [00:00:34] Finished devel/libffi | libffi-3.3_1: Success
66 [00:04:19] [02] [00:00:49] Finished devel/pkgconf | pkgconf-1.7.4,1: Success
67 [00:04:19] [01] [00:00:00] Building textproc/libxml2 | libxml2-2.9.10_3
68 [00:04:19] [02] [00:00:00] Building www/libnghttp2 | libnghttp2-1.43.0
69 [00:04:19] [11] [00:00:00] Building security/libtasn1 | libtasn1-4.16.0_1
70 [00:04:19] [12] [00:00:00] Building devel/libunwind | libunwind-20201110
71 [00:04:22] [05] [00:00:06] Finished textproc/docbook | docbook-1.5: Success
72 [00:04:23] [05] [00:00:00] Building textproc/docbook-xsl | docbook-xsl-1.79.1_1,1
73 [00:04:23] [07] [00:00:53] Finished textproc/expat2 | expat-2.2.10: Success
74 [00:04:33] [10] [00:01:03] Finished devel/libedit | libedit-3.1.20191231,1: Success
75 [00:04:43] [14] [00:00:58] Finished devel/readline | readline-8.1.0: Success
76 [00:04:48] [04] [00:01:18] Finished converters/libiconv | libiconv-1.16: Success
77 [00:05:05] [11] [00:00:46] Finished security/libtasn1 | libtasn1-4.16.0_1: Success
78 [00:05:08] [02] [00:00:49] Finished www/libnghttp2 | libnghttp2-1.43.0: Success
79 [00:05:25] [15] [00:01:42] Finished devel/gettext-runtime | gettext-runtime-0.21: Success
80 [00:05:26] [02] [00:00:00] Building devel/gmake | gmake-4.3_2
81 [00:05:26] [04] [00:00:00] Building archivers/gtar | gtar-1.34
82 [00:05:26] [05] [00:01:03] Finished textproc/docbook-xsl | docbook-xsl-1.79.1_1,1:
↪ Success
83 [00:05:42] [12] [00:01:23] Finished devel/libunwind | libunwind-20201110: Success
84 [00:05:59] [02] [00:00:33] Finished devel/gmake | gmake-4.3_2: Success
85 [00:05:59] [02] [00:00:00] Building textproc/libyaml | libyaml-0.2.5
86 [00:05:59] [05] [00:00:00] Building devel/libltdl | libltdl-2.4.6
87 [00:05:59] [07] [00:00:00] Building databases/db5 | db5-5.3.28_7
88 [00:05:59] [10] [00:00:00] Building devel/xxhash | xxhash-0.8.0
89 [00:06:20] [10] [00:00:21] Finished devel/xxhash | xxhash-0.8.0: Success
90 [00:06:22] [05] [00:00:23] Finished devel/libltdl | libltdl-2.4.6: Success
91 [00:06:33] [02] [00:00:34] Finished textproc/libyaml | libyaml-0.2.5: Success
92 [00:06:49] [16] [00:03:06] Finished devel/libtextstyle | libtextstyle-0.21: Success
93 [00:06:51] [02] [00:00:00] Building devel/gettext-tools | gettext-tools-0.21
94 [00:07:02] [04] [00:01:36] Finished archivers/gtar | gtar-1.34: Success
95 [00:07:09] [09] [00:03:39] Finished lang/tcl86 | tcl86-8.6.11_1: Success
96 [00:07:10] [04] [00:00:00] Building databases/sqlite3 | sqlite3-3.34.1,1
97 [00:07:14] [01] [00:02:55] Finished textproc/libxml2 | libxml2-2.9.10_3: Success
98 [00:07:57] [06] [00:04:14] Finished devel/libunistring | libunistring-0.9.10_1: Success
99 [00:07:58] [01] [00:00:00] Building dns/libidn2 | libidn2-2.3.0_1
100 [00:08:35] [01] [00:00:37] Finished dns/libidn2 | libidn2-2.3.0_1: Success
101 [00:08:59] [08] [00:05:29] Finished devel/pcre | pcre-8.44: Success
102 [00:12:13] [07] [00:06:14] Finished databases/db5 | db5-5.3.28_7: Success
103 [00:12:16] [04] [00:05:06] Finished databases/sqlite3 | sqlite3-3.34.1,1: Success
104 [00:14:10] [02] [00:07:19] Finished devel/gettext-tools | gettext-tools-0.21: Success
105 [00:14:12] [01] [00:00:00] Building lang/python37 | python37-3.7.10
106 [00:14:12] [02] [00:00:00] Building security/libgpg-error | libgpg-error-1.41
107 [00:14:12] [04] [00:00:00] Building security/rhash | rhash-1.4.1
108 [00:14:12] [05] [00:00:00] Building databases/gdbm | gdbm-1.19
109 [00:14:12] [06] [00:00:00] Building misc/getopt | getopt-1.1.6
110 [00:14:22] [06] [00:00:10] Finished misc/getopt | getopt-1.1.6: Success
111 [00:14:45] [04] [00:00:33] Finished security/rhash | rhash-1.4.1: Success

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112 [00:14:46] [05] [00:00:34] Finished databases/gdbm | gdbm-1.19: Success
113 [00:14:46] [04] [00:00:00] Building devel/apr1 | apr-1.7.0.1.6.1_1
114 [00:14:48] [02] [00:00:36] Finished security/libgpg-error | libgpg-error-1.41: Success
115 [00:14:49] [02] [00:00:00] Building security/libassuan | libassuan-2.5.4
116 [00:15:07] [02] [00:00:18] Finished security/libassuan | libassuan-2.5.4: Success
117 [00:15:08] [02] [00:00:00] Building security/pinentry-curses | pinentry-curses-1.1.1
118 [00:15:11] [03] [00:11:41] Finished lang/perl5.32 | perl5-5.32.1_1: Success
119 [00:15:15] [03] [00:00:00] Building devel/p5-Locale-gettext | p5-Locale-gettext-1.07
120 [00:15:15] [05] [00:00:00] Building textproc/p5-Unicode-EastAsianWidth | p5-Unicode-
    ↳ EastAsianWidth-12.0
121 [00:15:15] [06] [00:00:00] Building converters/p5-Text-Unidecode | p5-Text-Unidecode-1.30
122 [00:15:15] [07] [00:00:00] Building devel/p5-Locale-libintl | p5-Locale-libintl-1.32
123 [00:15:15] [08] [00:00:00] Building security/ca_root_nss | ca_root_nss-3.63
124 [00:15:15] [10] [00:00:00] Building converters/p5-Encode-Locale | p5-Encode-Locale-1.05
125 [00:15:15] [09] [00:00:00] Building devel/p5-TimeDate | p5-TimeDate-2.33,1
126 [00:15:15] [11] [00:00:00] Building security/libksba | libksba-1.5.0
127 [00:15:15] [12] [00:00:00] Building devel/p5-Clone | p5-Clone-0.45
128 [00:15:15] [13] [00:00:00] Building net/p5-URI | p5-URI-5.07
129 [00:15:15] [14] [00:00:00] Building devel/p5-IO-HTML | p5-IO-HTML-1.001_1
130 [00:15:15] [15] [00:00:00] Building www/p5-LWP-MediaTypes | p5-LWP-MediaTypes-6.04
131 [00:15:15] [16] [00:00:00] Building textproc/utf8proc | utf8proc-2.6.1
132 [00:15:35] [02] [00:00:27] Finished security/pinentry-curses | pinentry-curses-1.1.1:
    ↳ Success
133 [00:15:36] [02] [00:00:00] Building security/pinentry | pinentry-1.1.1
134 [00:15:44] [14] [00:00:29] Finished devel/p5-IO-HTML | p5-IO-HTML-1.001_1: Success
135 [00:15:44] [10] [00:00:29] Finished converters/p5-Encode-Locale | p5-Encode-Locale-1.05:
    ↳ Success
136 [00:15:44] [15] [00:00:29] Finished www/p5-LWP-MediaTypes | p5-LWP-MediaTypes-6.04:
    ↳ Success
137 [00:15:44] [05] [00:00:29] Finished textproc/p5-Unicode-EastAsianWidth | p5-Unicode-
    ↳ EastAsianWidth-12.0: Success
138 [00:15:45] [14] [00:00:00] Building www/p5-HTML-Tagset | p5-HTML-Tagset-3.20_1
139 [00:15:45] [05] [00:00:00] Building net/p5-Socket6 | p5-Socket6-0.29
140 [00:15:45] [10] [00:00:00] Building security/p5-Digest-HMAC | p5-Digest-HMAC-1.03_1
141 [00:15:45] [15] [00:00:00] Building security/p5-GSSAPI | p5-GSSAPI-0.28_1
142 [00:15:45] [16] [00:00:30] Finished textproc/utf8proc | utf8proc-2.6.1: Success
143 [00:15:46] [09] [00:00:31] Finished devel/p5-TimeDate | p5-TimeDate-2.33,1: Success
144 [00:15:46] [12] [00:00:31] Finished devel/p5-Clone | p5-Clone-0.45: Success
145 [00:15:46] [16] [00:00:00] Building www/p5-Mozilla-CA | p5-Mozilla-CA-20200520
146 [00:15:47] [02] [00:00:11] Finished security/pinentry | pinentry-1.1.1: Success
147 [00:15:47] [03] [00:00:32] Finished devel/p5-Locale-gettext | p5-Locale-gettext-1.07:
    ↳ Success
148 [00:15:47] [12] [00:00:00] Building www/p5-HTTP-Date | p5-HTTP-Date-6.05
149 [00:15:47] [09] [00:00:00] Building security/p5-Net-SSLeay | p5-Net-SSLeay-1.88
150 [00:15:47] [13] [00:00:32] Finished net/p5-URI | p5-URI-5.07: Success
151 [00:15:49] [02] [00:00:00] Building lang/p5-Error | p5-Error-0.17029
152 [00:15:49] [06] [00:00:34] Finished converters/p5-Text-Unidecode | p5-Text-Unidecode-1.
    ↳ 30: Success
153 [00:15:50] [03] [00:00:00] Building misc/help2man | help2man-1.48.1
154 [00:15:50] [13] [00:00:00] Building devel/p5-Term-ReadKey | p5-Term-ReadKey-2.38_1
155 [00:16:11] [07] [00:00:56] Finished devel/p5-Locale-libintl | p5-Locale-libintl-1.32:
    ↳ Success

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```

156 [00:16:13] [10] [00:00:28] Finished security/p5-Digest-HMAC | p5-Digest-HMAC-1.03_1:
↪ Success
157 [00:16:13] [14] [00:00:28] Finished www/p5-HTML-Tagset | p5-HTML-Tagset-3.20_1: Success
158 [00:16:13] [02] [00:00:24] Finished lang/p5-Error | p5-Error-0.17029: Success
159 [00:16:17] [16] [00:00:31] Finished www/p5-Mozilla-CA | p5-Mozilla-CA-20200520: Success
160 [00:16:18] [12] [00:00:31] Finished www/p5-HTTP-Date | p5-HTTP-Date-6.05: Success
161 [00:16:18] [02] [00:00:00] Building www/p5-HTTP-Message | p5-HTTP-Message-6.28
162 [00:16:19] [05] [00:00:34] Finished net/p5-Socket6 | p5-Socket6-0.29: Success
163 [00:16:20] [15] [00:00:35] Finished security/p5-GSSAPI | p5-GSSAPI-0.28_1: Success
164 [00:16:20] [05] [00:00:00] Building net/p5-IO-Socket-INET6 | p5-IO-Socket-INET6-2.72_1
165 [00:16:20] [06] [00:00:00] Building security/p5-Authen-SASL | p5-Authen-SASL-2.16_1
166 [00:16:22] [13] [00:00:32] Finished devel/p5-Term-ReadKey | p5-Term-ReadKey-2.38_1:
↪ Success
167 [00:16:26] [03] [00:00:36] Finished misc/help2man | help2man-1.48.1: Success
168 [00:16:26] [03] [00:00:00] Building print/texinfo | texinfo-6.7_4,1
169 [00:16:36] [05] [00:00:16] Finished net/p5-IO-Socket-INET6 | p5-IO-Socket-INET6-2.72_1:
↪ Success
170 [00:16:36] [02] [00:00:18] Finished www/p5-HTTP-Message | p5-HTTP-Message-6.28: Success
171 [00:16:36] [05] [00:00:00] Building www/p5-HTML-Parser | p5-HTML-Parser-3.75
172 [00:16:37] [06] [00:00:17] Finished security/p5-Authen-SASL | p5-Authen-SASL-2.16_1:
↪ Success
173 [00:16:42] [11] [00:01:27] Finished security/libksba | libksba-1.5.0: Success
174 [00:16:44] [09] [00:00:57] Finished security/p5-Net-SSLeay | p5-Net-SSLeay-1.88: Success
175 [00:16:44] [02] [00:00:00] Building security/p5-IO-Socket-SSL | p5-IO-Socket-SSL-2.070
176 [00:16:54] [05] [00:00:18] Finished www/p5-HTML-Parser | p5-HTML-Parser-3.75: Success
177 [00:16:55] [05] [00:00:00] Building www/p5-CGI | p5-CGI-4.51
178 [00:16:59] [02] [00:00:15] Finished security/p5-IO-Socket-SSL | p5-IO-Socket-SSL-2.070:
↪ Success
179 [00:17:08] [05] [00:00:13] Finished www/p5-CGI | p5-CGI-4.51: Success
180 [00:17:40] [08] [00:02:25] Finished security/ca_root_nss | ca_root_nss-3.63: Success
181 [00:17:41] [02] [00:00:00] Building ftp/curl | curl-7.75.0
182 [00:18:00] [04] [00:03:14] Finished devel/apr1 | apr-1.7.0.1.6.1_1: Success
183 [00:18:11] [03] [00:01:45] Finished print/texinfo | texinfo-6.7_4,1: Success
184 [00:18:12] [03] [00:00:00] Building devel/m4 | m4-1.4.18_1,1
185 [00:18:12] [04] [00:00:00] Building security/libgcrypt | libgcrypt-1.9.2_1
186 [00:18:12] [05] [00:00:00] Building math/gmp | gmp-6.2.1
187 [00:18:12] [06] [00:00:00] Building ftp/wget | wget-1.21
188 [00:19:22] [03] [00:01:10] Finished devel/m4 | m4-1.4.18_1,1: Success
189 [00:19:22] [03] [00:00:00] Building devel/autoconf | autoconf-2.69_3
190 [00:19:22] [07] [00:00:00] Building devel/libtool | libtool-2.4.6_1
191 [00:19:22] [08] [00:00:00] Building devel/bison | bison-3.7.5,1
192 [00:20:03] [07] [00:00:41] Finished devel/libtool | libtool-2.4.6_1: Success
193 [00:20:07] [06] [00:01:55] Finished ftp/wget | wget-1.21: Success
194 [00:20:09] [03] [00:00:47] Finished devel/autoconf | autoconf-2.69_3: Success
195 [00:20:09] [03] [00:00:00] Building devel/automake | automake-1.16.3
196 [00:20:32] [03] [00:00:23] Finished devel/automake | automake-1.16.3: Success
197 [00:20:33] [03] [00:00:00] Building devel/libuv | libuv-1.41.0
198 [00:20:33] [06] [00:00:00] Building devel/libatomic_ops | libatomic_ops-7.6.10
199 [00:20:33] [07] [00:00:00] Building lang/ruby27 | ruby-2.7.2_1,1
200 [00:20:33] [09] [00:00:00] Building devel/pcre2 | pcre2-10.36
201 [00:20:46] [02] [00:03:05] Finished ftp/curl | curl-7.75.0: Success
202 [00:20:54] [01] [00:06:42] Finished lang/python37 | python37-3.7.10: Success

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203 [00:20:57] [01] [00:00:00] Building devel/py-setuptools@py37 | py37-setuptools-44.0.0
204 [00:20:57] [02] [00:00:00] Building devel/ninja | ninja-1.10.2,2
205 [00:21:15] [06] [00:00:42] Finished devel/libatomic_ops | libatomic_ops-7.6.10: Success
206 [00:21:15] [06] [00:00:00] Building devel/boehm-gc | boehm-gc-8.0.4_1
207 [00:21:19] [01] [00:00:22] Finished devel/py-setuptools@py37 | py37-setuptools-44.0.0:
↳ Success
208 [00:21:19] [01] [00:00:00] Building devel/py-pycparser@py37 | py37-pycparser-2.20
209 [00:21:19] [10] [00:00:00] Building devel/py-six@py37 | py37-six-1.15.0
210 [00:21:19] [11] [00:00:00] Building devel/py-pytz@py37 | py37-pytz-2020.5.1
211 [00:21:19] [12] [00:00:00] Building net/py-pysocks@py37 | py37-pysocks-1.7.1
212 [00:21:19] [13] [00:00:00] Building lang/cython@py37 | py37-cython-0.29.21
213 [00:21:19] [14] [00:00:00] Building dns/py-idna@py37 | py37-idna-2.10
214 [00:21:19] [15] [00:00:00] Building security/py-certifi@py37 | py37-certifi-2020.12.5
215 [00:21:19] [16] [00:00:00] Building textproc/py-chardet@py37 | py37-chardet-3.0.4_3
216 [00:21:24] [04] [00:03:12] Finished security/libgcrypt | libgcrypt-1.9.2_1: Success
217 [00:21:25] [08] [00:02:03] Finished devel/bison | bison-3.7.5,1: Success
218 [00:21:28] [04] [00:00:00] Building textproc/py-libxml2@py37 | py37-libxml2-2.9.10_3
219 [00:21:29] [08] [00:00:00] Building textproc/py-markupsafe@py37 | py37-markupsafe-1.1.1_1
220 [00:21:59] [10] [00:00:40] Finished devel/py-six@py37 | py37-six-1.15.0: Success
221 [00:21:59] [12] [00:00:40] Finished net/py-pysocks@py37 | py37-pysocks-1.7.1: Success
222 [00:21:59] [15] [00:00:40] Finished security/py-certifi@py37 | py37-certifi-2020.12.5:
↳ Success
223 [00:21:59] [14] [00:00:40] Finished dns/py-idna@py37 | py37-idna-2.10: Success
224 [00:22:00] [12] [00:00:00] Building devel/py-pyparsing@py37 | py37-pyparsing-2.4.7
225 [00:22:00] [10] [00:00:00] Building textproc/py-sphinxcontrib-applehelp@py37 | py37-
↳ sphinxcontrib-applehelp-1.0.2
226 [00:22:00] [15] [00:00:00] Building textproc/py-sphinxcontrib-devhelp@py37 | py37-
↳ sphinxcontrib-devhelp-1.0.2
227 [00:22:00] [14] [00:00:00] Building textproc/py-docutils@py37 | py37-docutils-0.16
228 [00:22:00] [16] [00:00:41] Finished textproc/py-chardet@py37 | py37-chardet-3.0.4_3:
↳ Success
229 [00:22:02] [01] [00:00:43] Finished devel/py-pycparser@py37 | py37-pycparser-2.20:
↳ Success
230 [00:22:03] [11] [00:00:44] Finished devel/py-pytz@py37 | py37-pytz-2020.5.1: Success
231 [00:22:03] [16] [00:00:00] Building textproc/py-sphinxcontrib-htmlhelp@py37 | py37-
↳ sphinxcontrib-htmlhelp-1.0.3
232 [00:22:04] [01] [00:00:00] Building devel/py-cffi@py37 | py37-cffi-1.14.5
233 [00:22:05] [08] [00:00:36] Finished textproc/py-markupsafe@py37 | py37-markupsafe-1.1.1_
↳ 1: Success
234 [00:22:07] [11] [00:00:00] Building devel/py-babel@py37 | py37-Babel-2.9.0
235 [00:22:07] [08] [00:00:00] Building graphics/py-imagesize@py37 | py37-imagesize-1.1.0
236 [00:22:29] [06] [00:01:14] Finished devel/boehm-gc | boehm-gc-8.0.4_1: Success
237 [00:22:31] [06] [00:00:01] Building textproc/py-sphinxcontrib-jsmath@py37 | py37-
↳ sphinxcontrib-jsmath-1.0.1
238 [00:22:45] [15] [00:00:45] Finished textproc/py-sphinxcontrib-devhelp@py37 | py37-
↳ sphinxcontrib-devhelp-1.0.2: Success
239 [00:22:45] [10] [00:00:45] Finished textproc/py-sphinxcontrib-applehelp@py37 | py37-
↳ sphinxcontrib-applehelp-1.0.2: Success
240 [00:22:46] [12] [00:00:46] Finished devel/py-pyparsing@py37 | py37-pyparsing-2.4.7:
↳ Success
241 [00:22:48] [15] [00:00:00] Building devel/py-packaging@py37 | py37-packaging-20.9
242 [00:22:48] [12] [00:00:00] Building textproc/py-alabaster@py37 | py37-alabaster-0.7.6

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243 [00:22:48] [10] [00:00:00] Building textproc/py-sphinxcontrib-serializinghtml@py37 | ↵
↪py37-sphinxcontrib-serializinghtml-1.1.4
244 [00:22:48] [04] [00:01:20] Finished textproc/py-libxml2@py37 | py37-libxml2-2.9.10_3:↵
↪Success
245 [00:22:54] [08] [00:00:47] Finished graphics/py-imagesize@py37 | py37-imagesize-1.1.0:↵
↪Success
246 [00:22:56] [04] [00:00:00] Building textproc/py-sphinxcontrib-qthelp@py37 | py37-
↪sphinxcontrib-qthelp-1.0.3
247 [00:22:56] [16] [00:00:53] Finished textproc/py-sphinxcontrib-htmlhelp@py37 | py37-
↪sphinxcontrib-htmlhelp-1.0.3: Success
248 [00:22:57] [03] [00:02:24] Finished devel/libuv | libuv-1.41.0: Success
249 [00:22:58] [08] [00:00:00] Building textproc/libxslt | libxslt-1.1.34_1
250 [00:22:59] [14] [00:00:59] Finished textproc/py-docutils@py37 | py37-docutils-0.16:↵
↪Success
251 [00:23:00] [03] [00:00:00] Building textproc/py-pygments@py37 | py37-pygments-2.7.2
252 [00:23:00] [16] [00:00:00] Building textproc/itstool | itstool-2.0.6
253 [00:23:03] [14] [00:00:00] Building shells/bash | bash-5.1.4_1
254 [00:23:07] [06] [00:00:37] Finished textproc/py-sphinxcontrib-jsmath@py37 | py37-
↪sphinxcontrib-jsmath-1.0.1: Success
255 [00:23:08] [02] [00:02:11] Finished devel/ninja | ninja-1.10.2,2: Success
256 [00:23:08] [01] [00:01:04] Finished devel/py-cffi@py37 | py37-cffi-1.14.5: Success
257 [00:23:10] [06] [00:00:01] Building devel/scons@py37 | scons-py37-3.1.2
258 [00:23:11] [02] [00:00:00] Building devel/meson | meson-0.57.1
259 [00:23:12] [01] [00:00:00] Building security/py-cryptography@py37 | py37-cryptography-3.
↪3.2
260 [00:23:29] [12] [00:00:41] Finished textproc/py-alabaster@py37 | py37-alabaster-0.7.6:↵
↪Success
261 [00:23:29] [10] [00:00:41] Finished textproc/py-sphinxcontrib-serializinghtml@py37 | ↵
↪py37-sphinxcontrib-serializinghtml-1.1.4: Success
262 [00:23:29] [15] [00:00:41] Finished devel/py-packaging@py37 | py37-packaging-20.9:↵
↪Success
263 [00:23:30] [12] [00:00:00] Building www/w3m | w3m-0.5.3.20210306
264 [00:23:39] [11] [00:01:32] Finished devel/py-babel@py37 | py37-Babel-2.9.0: Success
265 [00:23:40] [04] [00:00:44] Finished textproc/py-sphinxcontrib-qthelp@py37 | py37-
↪sphinxcontrib-qthelp-1.0.3: Success
266 [00:23:42] [15] [00:00:00] Building devel/py-Jinja2@py37 | py37-Jinja2-2.11.2_1
267 [00:23:49] [16] [00:00:49] Finished textproc/itstool | itstool-2.0.6: Success
268 [00:24:01] [03] [00:01:01] Finished textproc/py-pygments@py37 | py37-pygments-2.7.2:↵
↪Success
269 [00:24:07] [06] [00:00:58] Finished devel/scons@py37 | scons-py37-3.1.2: Success
270 [00:24:07] [03] [00:00:00] Building www/serf | serf-1.3.9_6
271 [00:24:12] [02] [00:01:01] Finished devel/meson | meson-0.57.1: Success
272 [00:24:12] [15] [00:00:30] Finished devel/py-Jinja2@py37 | py37-Jinja2-2.11.2_1: Success
273 [00:24:13] [02] [00:00:00] Building archivers/liblz4 | liblz4-1.9.3,1
274 [00:24:13] [04] [00:00:00] Building devel/jsoncpp | jsoncpp-1.9.4
275 [00:24:28] [05] [00:06:16] Finished math/gmp | gmp-6.2.1: Success
276 [00:24:30] [05] [00:00:00] Building security/nettle | nettle-3.6
277 [00:24:43] [01] [00:01:31] Finished security/py-cryptography@py37 | py37-cryptography-3.
↪3.2: Success
278 [00:24:44] [01] [00:00:00] Building security/py-openssl@py37 | py37-openssl-20.0.1
279 [00:24:45] [08] [00:01:47] Finished textproc/libxslt | libxslt-1.1.34_1: Success
280 [00:24:46] [06] [00:00:00] Building textproc/yelp-xsl | yelp-xsl-3.38.3

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281 [00:24:46] [08] [00:00:00] Building devel/glib20 | glib-2.66.7_1,1
282 [00:24:55] [03] [00:00:48] Finished www/serf | serf-1.3.9_6: Success
283 [00:25:03] [02] [00:00:50] Finished archivers/liblz4 | liblz4-1.9.3,1: Success
284 [00:25:03] [02] [00:00:00] Building archivers/libarchive | libarchive-3.5.1,1
285 [00:25:03] [03] [00:00:00] Building archivers/zstd | zstd-1.4.8
286 [00:25:07] [01] [00:00:23] Finished security/py-openssl@py37 | py37-openssl-20.0.1:
↳ Success
287 [00:25:08] [01] [00:00:00] Building net/py-urllib3@py37 | py37-urllib3-1.25.11,1
288 [00:25:15] [13] [00:03:56] Finished lang/cython@py37 | py37-cython-0.29.21: Success
289 [00:25:17] [10] [00:00:00] Building textproc/py-pystemmer@py37 | py37-pystemmer-2.0.0.1
290 [00:25:18] [06] [00:00:32] Finished textproc/yelp-xsl | yelp-xsl-3.38.3: Success
291 [00:25:19] [06] [00:00:00] Building textproc/yelp-tools | yelp-tools-3.38.0
292 [00:25:28] [12] [00:01:58] Finished www/w3m | w3m-0.5.3.20210306: Success
293 [00:25:37] [01] [00:00:29] Finished net/py-urllib3@py37 | py37-urllib3-1.25.11,1: Success
294 [00:25:38] [01] [00:00:00] Building www/py-requests@py37 | py37-requests-2.22.0_2
295 [00:25:44] [04] [00:01:31] Finished devel/jsoncpp | jsoncpp-1.9.4: Success
296 [00:25:45] [06] [00:00:26] Finished textproc/yelp-tools | yelp-tools-3.38.0: Success
297 [00:25:45] [04] [00:00:00] Building textproc/gtk-doc | gtk-doc-1.33.2
298 [00:25:55] [10] [00:00:38] Finished textproc/py-pystemmer@py37 | py37-pystemmer-2.0.0.1:
↳ Success
299 [00:25:55] [06] [00:00:00] Building textproc/py-snowballstemmer@py37 | py37-
↳ snowballstemmer-1.2.1
300 [00:26:00] [01] [00:00:22] Finished www/py-requests@py37 | py37-requests-2.22.0_2:
↳ Success
301 [00:26:14] [06] [00:00:19] Finished textproc/py-snowballstemmer@py37 | py37-
↳ snowballstemmer-1.2.1: Success
302 [00:26:15] [01] [00:00:00] Building textproc/py-sphinx@py37 | py37-sphinx-3.5.2,1
303 [00:26:19] [14] [00:03:16] Finished shells/bash | bash-5.1.4_1: Success
304 [00:26:19] [06] [00:00:00] Building shells/bash-completion | bash-completion-2.11,2
305 [00:26:19] [10] [00:00:00] Building textproc/xmlto | xmlto-0.0.28
306 [00:26:49] [10] [00:00:30] Finished textproc/xmlto | xmlto-0.0.28: Success
307 [00:26:50] [04] [00:01:05] Finished textproc/gtk-doc | gtk-doc-1.33.2: Success
308 [00:26:51] [06] [00:00:32] Finished shells/bash-completion | bash-completion-2.11,2:
↳ Success
309 [00:26:56] [05] [00:02:26] Finished security/nettle | nettle-3.6: Success
310 [00:27:03] [01] [00:00:48] Finished textproc/py-sphinx@py37 | py37-sphinx-3.5.2,1:
↳ Success
311 [00:27:04] [03] [00:02:01] Finished archivers/zstd | zstd-1.4.8: Success
312 [00:27:05] [01] [00:00:00] Building net/rsync | rsync-3.2.3
313 [00:27:38] [09] [00:07:05] Finished devel/pcre2 | pcre2-10.36: Success
314 [00:27:49] [01] [00:00:44] Finished net/rsync | rsync-3.2.3: Success
315 [00:28:02] [02] [00:02:59] Finished archivers/libarchive | libarchive-3.5.1,1: Success
316 [00:28:03] [01] [00:00:00] Building devel/cmake | cmake-3.19.6
317 [00:33:40] [08] [00:08:54] Finished devel/glib20 | glib-2.66.7_1,1: Success
318 [00:33:41] [02] [00:00:00] Building security/p11-kit | p11-kit-0.23.22_1
319 [00:34:56] [02] [00:01:15] Finished security/p11-kit | p11-kit-0.23.22_1: Success
320 [00:35:51] [07] [00:15:18] Finished lang/ruby27 | ruby-2.7.2_1,1: Success
321 [00:35:59] [02] [00:00:00] Building devel/ruby-gems | ruby27-gems-3.0.8
322 [00:36:24] [02] [00:00:25] Finished devel/ruby-gems | ruby27-gems-3.0.8: Success
323 [00:36:24] [02] [00:00:00] Building devel/rubygem-rdoc | rubygem-rdoc-6.3.0
324 [00:36:24] [03] [00:00:00] Building textproc/rubygem-asciidoctor | rubygem-asciidoctor-2.
↳ 0.12

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325 [00:36:45] [03] [00:00:21] Finished textproc/rubygem-asciidoctor | rubygem-asciidoctor-2.
    ↳ 0.12: Success
326 [00:36:48] [02] [00:00:24] Finished devel/rubygem-rdoc | rubygem-rdoc-6.3.0: Success
327 [00:36:48] [02] [00:00:00] Building databases/ruby-bdb | ruby27-bdb-0.6.6_8
328 [00:39:20] [02] [00:02:32] Finished databases/ruby-bdb | ruby27-bdb-0.6.6_8: Failed:
    ↳ stage
329 [00:39:20] [02] [00:02:32] Skipping ports-mgmt/portupgrade | portupgrade-2.4.16,2:
    ↳ Dependent port databases/ruby-bdb | ruby27-bdb-0.6.6_8 failed
330 [01:13:09] [01] [00:45:06] Finished devel/cmake | cmake-3.19.6: Success
331 [01:13:13] [01] [00:00:00] Building emulators/tpm-emulator | tpm-emulator-0.7.4_2
332 [01:13:50] [01] [00:00:37] Finished emulators/tpm-emulator | tpm-emulator-0.7.4_2:
    ↳ Success
333 [01:13:50] [01] [00:00:00] Building security/trousers | trousers-0.3.14_3
334 [01:18:40] [01] [00:04:50] Finished security/trousers | trousers-0.3.14_3: Success
335 [01:18:40] [01] [00:00:00] Building security/gnutls | gnutls-3.6.15
336 [01:25:14] [01] [00:06:34] Finished security/gnutls | gnutls-3.6.15: Success
337 [01:25:16] [01] [00:00:00] Building security/gnupg | gnupg-2.2.27
338 [01:28:53] [01] [00:03:37] Finished security/gnupg | gnupg-2.2.27: Success
339 [01:28:53] [01] [00:00:00] Building devel/subversion | subversion-1.14.1
340 [01:39:25] [01] [00:10:32] Finished devel/subversion | subversion-1.14.1: Success
341 [01:39:27] [01] [00:00:00] Building devel/p5-subversion | p5-subversion-1.14.1
342 [01:42:51] [01] [00:03:24] Finished devel/p5-subversion | p5-subversion-1.14.1: Success
343 [01:42:51] [01] [00:00:00] Building devel/git@default | git-2.31.0
344 [01:51:01] [01] [00:08:10] Finished devel/git@default | git-2.31.0: Success
345 [01:51:02] Stopping 16 builders
346 [01:52:27] Creating pkg repository
347 Creating repository in /tmp/packages: 100%
348 Packing files for repository: 100%
349 [01:52:29] Committing packages to repository: /zroot/poudriere/data/packages/12amd64-
    ↳ local-devel/.real_1616456087 via .latest symlink
350 [01:52:29] Removing old packages
351 [01:52:30] Built ports: ports-mgmt/pkg devel/autoconf-wrapper print/indexinfo ports-mgmt/
    ↳ portmaster devel/cvsps textproc/xmlcatmgr print/libpaper devel/npth textproc/
    ↳ xmlcharent textproc/iso8879 textproc/sdocbook-xml textproc/docbook-sgml textproc/
    ↳ docbook-xml devel/libffi devel/pkgconf textproc/docbook textproc/expat2 devel/libedit
    ↳ devel/readline converters/libiconv security/libtasn1 www/libnghttp2 devel/gettext-
    ↳ runtime textproc/docbook-xsl devel/libunwind devel/gmake devel/xxhash devel/libltdl
    ↳ textproc/libyaml devel/libtextstyle archivers/gtar lang/tcl86 textproc/libxml2 devel/
    ↳ libunistring dns/libidn2 devel/pcre databases/db5 databases/sqlite3 devel/gettext-
    ↳ tools/misc/getopt security/rhash databases/gdbm security/libgpg-error security/
    ↳ libassuan lang/perl5.32 security/pinentry-curses devel/p5-IO-HTML converters/p5-Encode-
    ↳ Locale www/p5-LWP-MediaTypes textproc/p5-Unicode-EastAsianWidth textproc/utf8proc
    ↳ devel/p5-TimeDate devel/p5-Clone security/pinentry devel/p5-Locale-gettext net/p5-URI
    ↳ converters/p5-Text-Unidecode devel/p5-Locale-libintl security/p5-Digest-HMAC www/p5-
    ↳ HTML-Tagset lang/p5-Error www/p5-Mozilla-CA www/p5-HTTP-Date net/p5-Socket6 security/
    ↳ p5-GSSAPI devel/p5-Term-ReadKey misc/help2man net/p5-IO-Socket-INET6 www/p5-HTTP-
    ↳ Message security/p5-Authen-SASL security/libksba security/p5-Net-SSLeay www/p5-HTML-
    ↳ Parser security/p5-IO-Socket-SSL www/p5-CGI security/ca_root_nss devel/apr1 print/
    ↳ texinfo devel/m4 devel/libtool ftp/wget devel/autoconf devel/automake ftp/curl lang/
    ↳ python37 devel/libatomic_ops devel/py-setuptools security/libgcrypt devel/bison devel/
    ↳ py-six net/py-pysocks security/py-certifi dns/py-idna textproc/py-chardet devel/py-
    ↳ pycparser devel/py-pytz textproc/py-markupsafe devel/boehm-gc textproc/py-
    ↳ sphinxcontrib-devhelp textproc/py-sphinxcontrib-applehelp devel/py-pyparsing textproc/
    ↳ py-libxml2 graphics/py-imagesize textproc/py-sphinxcontrib-htmlhelp devel/libuv
    ↳ textproc/py-docutils textproc/py-sphinxcontrib-jsmath devel/ninja devel/py-cffi
    ↳ textproc/py-alabaster textproc/py-sphinxcontrib-serializinghtml devel/py-packaging
    ↳ devel/py-babel textproc/py-sphinxcontrib-qthelp textproc/itstool textproc/py-pygments
    ↳ devel/scons devel/meson devel/py-Jinja2 math/gmp security/py-cryptography textproc/
    ↳ libxslt www/serf archivers/liblz4 security/py-openssl lang/cython textproc/yelp-xsl

```

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```
352 [01:52:30] Failed ports: databases/ruby-bdb:stage
353 [01:52:30] Skipped ports: ports-mgmt/portupgrade
354 [12amd64-local-devel] [2021-03-22_22h42m18s] [committing:] Queued: 160 Built: 158
    ↳ Failed: 1   Skipped: 1   Ignored: 0   Tobuild: 0   Time: 01:52:20
355 [01:52:30] Logs: /zroot/poudriere/data/logs/bulk/12amd64-local-devel/2021-03-22_22h42m18s
356 [01:52:30] WWW: http://build.example.com/build.html?mastername=12amd64-local-devel&
    ↳ build=2021-03-22_22h42m18s
357 [01:52:30] Cleaning up
358 [01:52:30] Unmounting file systems
```

<http://build.example.com/logs/bulk/12amd64-local-devel/latest/build.html>

Poudriere bulk results for 12amd64-local-devel 2021-03-22_22h42m18s — Mozilla Firefox

File Edit View History Bookmarks Tools Help

Ansible role FreeBSD Poudriere x Quick start guide — ansible x Ansible role FreeBSD Poudriere x Poudriere bulk results for x +

build.example.com/logs/bulk/12amd64-local-devel

start man profile tools system special | | Other Bookmarks

Build Jobs Results Logs

Queued 160 Built 160 Failed 0 Skipped 0 Ignored 0 Remaining 0

Load Averages (16%) 2.51 1.71 1.44 SwapInfo 0.00% Elapsed Pkg/Hour Impulse 01:52:29 85 --

Build

Master 12amd64-local-devel
Build 2021-03-22_22h42m18s
Status stopped:done:
Jail 12amd64
Set devel
Ports Tree local
SVN https://svn.freebsd.org/ports/head@568986

Built ports

Show 10 entries Search:

#	Package	Origin	Log	Time
1	pkg-1.16.3	ports-mgmt/pkg	success	00:02:04
2	autoconf-wrapper-20131203	devel/autoconf-wrapper	success	00:00:12
3	indexinfo-0.3.1	print/indexinfo	success	00:00:12
4	portmaster-3.19_27	ports-mgmt/portmaster	success	00:00:13
5	cvsp-2.1.2	devel/cvsp	success	00:00:20
6	xmlcatmgr-2.2.2	textproc/xmlcatmgr	success	00:00:27
7	libpaper-1.1.24.4	print/libpaper	success	00:00:28
8	npth-1.6	devel/npth	success	00:00:31
9	xmlcharent-0.3.2	textproc/xmlcharent	success	00:00:07
10	iso8879-1986_3	textproc/iso8879	success	00:00:07

Showing 1 to 10 of 158 entries Previous 1 2 3 4 5 ... 16 Next

Failed ports

Show 10 entries Search:

#	Package	Origin	Phase	Skipped	Log	Time
1	ruby27-bdb-0.6.6_8	databases/ruby-bdb	stage	1	???	00:02:31

Showing 1 to 1 of 1 entries Previous 1 Next

Skipped ports

Show 10 entries Search:

#	Package	Origin	Reason
1	portupgrade-2.4.16.2	ports-mgmt/portupgrade	ruby27-bdb-0.6.6_8

Showing 1 to 1 of 1 entries Previous 1 Next

Queued ports

Show 10 entries Search:

#	Package	Origin	Reason
1	gtar-1.34	archivers/gtar	listed
2	libarchive-3.5.1,1	archivers/libarchive	devel/cmake
3	liblz4-1.9.3,1	archivers/liblz4	net/rsync
4	zstd-1.4.8	archivers/zstd	net/rsync
5	libiconv-1.16	converters/libiconv	net/rsync
6	p5-Encode-Locale-1.05	converters/p5-Encode-Locale	www/p5-HTTP-Messag
7	p5-Text-UniCode-1.30	converters/p5-Text-UniCode	print/texinfo
8	db5-5.3.28_7	databases/db5	databases/ruby-bdb
9	gdbm-1.19	databases/gdbm	devel/apr1
10	ruby27-bdb-0.6.6_8	databases/ruby-bdb	ports-mgmt/portupgrade

Showing 1 to 10 of 160 entries Previous 1 2 3 4 5 ... 16 Next

100% Poudriere

2.3.1.2 Build armv7 packages

Poudriere requires [QEMU](#) to cross-building ports for arm on amd64. Install the package manually or use Ansible role [vbotka.freebsd_postinstall](#)

```
shell> cat host_vars/build.example.com/fp-qemu.yml
---
fp_qemu: true
fp_qemu_enabled: true
# mutually exclusive
fp_qemu_install: false
fp_qemu_user_static_install: true
# set to the name of the installed package
fp_qemu_rcvar: qemu_user_static

shell> ansible-playbook freebsd-postinstall.yml -t fp_packages
shell> ansible-playbook freebsd-postinstall.yml -t fp_qemu
```

Make sure [QEMU](#) is running

```
shell> /usr/local/etc/rc.d/qemu_user_static list
```

See also:

- [Building Packages Through Emulation](#)
- [Building ARM Packages with Poudriere](#)

Simplify the creation of the arm jail and avoid building the base system. Instead, download and mount an image into the directory `/usr/local/poudriere/jails/`. Create the memory disk (*vnode*) and mount it manually or use Ansible role [vbotka.freebsd_postinstall](#)

```
shell> cat host_vars/build.example.com/fp-mount-img.yml
---
fp_mount_img: true
fp_mount_img_entries:
- img: /export/img/FreeBSD-12.2-RELEASE-arm-armv7-CUBOX-HUMMINGBOARD.img
  mount: /usr/local/poudriere/jails/12arm7
  fstype: ufs
  partition: s2a

shell> ansible-playbook freebsd-postinstall.yml -t fp_mount_img
```

Make sure the image is mounted

```
shell> df | grep 12arm7
```

See also:

- [Where is the arm/armv6 source?](#)

2.3.1.2.1 jail create 12arm7

Use the mounted image `/zroot/poudriere/jails/12arm7`. Create the jail

```
shell> poudriere jail -c -m null -j 12arm7 -v 12.2-RELEASE -a armv7 -M /zroot/poudriere/
↳jails/12arm7
```

,or update it if it already exists

```
shell> poudriere jail -u -m null -j 12arm7 -v 12.2-RELEASE -a armv7 -M /zroot/poudriere/
↳jails/12arm7
```

```
1 [root@build /usr/home/admin]# poudriere jail -c -m null -j 12arm7 -v 12.2-RELEASE -a
↳armv7 -M /zroot/poudriere/jails/12arm7
2 [00:00:00] Cross-building ports for armv7 on amd64 requires QEMU
3 [00:00:00] Recording filesystem state for clean... done
4 [00:00:00] Jail 12arm7 12.2-RELEASE armv7 is ready to be used
```

2.3.1.2.2 options for 12arm7

If necessary, manually change options and dependencies for the specified ports

```
[root@build /usr/home/admin]# poudriere options -j 12arm7 -p local -z devel -f /usr/
↳local/etc/poudriere.d/pkglist_arm/minimal
```

<TBD>

2.3.1.2.3 bulk minimal 12arm7

HW and OS info

```
[root@truenas ~]# dmesg
...
FreeBSD 12.2-RELEASE-p3 7851f4a452d(HEAD) TRUENAS amd64
FreeBSD clang version 10.0.1 (git@github.com:llvm/llvm-project.git llvmorg-10.0.1-0-
↳gef32c611aa2)
VT(vga): text 80x25
CPU: Intel(R) Xeon(R) CPU E5620 @ 2.40GHz (2399.37-MHz K8-class CPU)
...
```

VM info

```
[admin@build ~]$ dmesg
FreeBSD 12.2-RELEASE r366954 GENERIC amd64
FreeBSD clang version 10.0.1 (git@github.com:llvm/llvm-project.git llvmorg-10.0.1-0-
↳gef32c611aa2)
VT(efib): resolution 1024x768
CPU: Intel(R) Xeon(R) CPU E5620 @ 2.40GHz (2399.33-MHz K8-class CPU)
...
Hypervisor: Origin = "bhyve bhyve "
real memory = 68717379584 (65534 MB)
```

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```
avail memory = 16618844160 (15848 MB)
Event timer "LAPIC" quality 600
ACPI APIC Table: <BHYVE BVMADT >
FreeBSD/SMP: Multiprocessor System Detected: 16 CPUs
FreeBSD/SMP: 1 package(s) x 4 core(s) x 4 hardware threads
...
```

VM OS info

```
[admin@build ~]$ uname -a
FreeBSD build.example.com 12.2-RELEASE FreeBSD 12.2-RELEASE r366954 GENERIC amd64
```

QEMU list

```
[root@build /usr/home/admin]# /usr/local/etc/rc.d/qemu_user_static list

...

name: aarch64
interpreter: /usr/local/bin/qemu-aarch64-static
flags: ENABLED USE_MASK
magic size: 20
magic offset: 0
magic: 0x7f 0x45 0x4c 0x46 0x02 0x01 0x01 0x00 0x00 0x00 0x00 0x00
       0x00 0x00 0x00 0x00 0x02 0x00 0xb7 0x00
mask:  0xff 0xff 0xff 0xff 0xff 0xff 0xff 0x00 0xff 0xff 0xff 0xff
       0xff 0xff 0xff 0xff 0xfe 0xff 0xff 0xff

name: armv7
interpreter: /usr/local/bin/qemu-arm-static
flags: ENABLED USE_MASK
magic size: 20
magic offset: 0
magic: 0x7f 0x45 0x4c 0x46 0x01 0x01 0x01 0x00 0x00 0x00 0x00 0x00
       0x00 0x00 0x00 0x00 0x02 0x00 0x28 0x00
mask:  0xff 0xff 0xff 0xff 0xff 0xff 0xff 0x00 0xff 0xff 0xff 0xff
       0xff 0xff 0xff 0xff 0xfe 0xff 0xff 0xff

name: armv6
interpreter: /usr/local/bin/qemu-arm-static
flags: ENABLED USE_MASK
magic size: 20
magic offset: 0
magic: 0x7f 0x45 0x4c 0x46 0x01 0x01 0x01 0x00 0x00 0x00 0x00 0x00
       0x00 0x00 0x00 0x00 0x02 0x00 0x28 0x00
mask:  0xff 0xff 0xff 0xff 0xff 0xff 0xff 0x00 0xff 0xff 0xff 0xff
       0xff 0xff 0xff 0xff 0xfe 0xff 0xff 0xff

name: arm
interpreter: /usr/local/bin/qemu-arm-static
flags: ENABLED USE_MASK
magic size: 20
```

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```
magic offset: 0
magic: 0x7f 0x45 0x4c 0x46 0x01 0x01 0x01 0x00 0x00 0x00 0x00 0x00
       0x00 0x00 0x00 0x00 0x02 0x00 0x28 0x00
mask:  0xff 0xff 0xff 0xff 0xff 0xff 0xff 0x00 0xff 0xff 0xff 0xff
       0xff 0xff 0xff 0xff 0xfe 0xff 0xff 0xff
```

Result (line 345 in the log below)

```
[12arm7-local-devel] [2021-04-03_21h04m45s] [committing:] Queued: 158 Built: 145 Failed: 1
↳ Skipped: 12 Ignored: 0 Tobuild: 0 Time: 16:39:35
```

Command and log

```
1 [root@build /usr/home/admin]# poudriere bulk -j 12arm7 -p local -z devel -f /usr/local/
↳ etc/poudriere.d/pkglist_arm/minimal
2 [00:00:00] Cross-building ports for armv7 on amd64 requires QEMU
3 [00:00:00] Creating the reference jail... done
4 [00:00:15] Mounting system devices for 12arm7-local-devel
5 [00:00:15] Mounting ports/packages/distfiles
6 [00:00:15] Converting package repository to new format
7 [00:00:15] Stashing existing package repository
8 [00:00:15] Mounting packages from: /zroot/poudriere/data/packages/12arm7-local-devel
9 [00:00:15] Raising MAX_EXECUTION_TIME and NOHANG_TIME for QEMU from QEMU_ values
10 [00:00:15] Copying latest version of the emulator from: /usr/local/bin/qemu-arm-static
11 [00:00:15] Appending to make.conf: /usr/local/etc/poudriere.d/make.conf
12 /etc/resolv.conf -> /zroot/poudriere/data/.m/12arm7-local-devel/ref/etc/resolv.conf
13 [00:00:15] Starting jail 12arm7-local-devel
14 [00:00:50] Logs: /zroot/poudriere/data/logs/bulk/12arm7-local-devel/2021-04-03_21h04m45s
15 [00:00:50] WWW: http://build.example.com/build.html?mastername=12arm7-local-devel&
↳ build=2021-04-03_21h04m45s
16 [00:00:50] Loading MOVED for /zroot/poudriere/data/.m/12arm7-local-devel/ref/usr/ports
17 [00:00:56] Ports supports: FLAVORS SELECTED_OPTIONS
18 [00:00:56] Gathering ports metadata
19 [00:01:07] Calculating ports order and dependencies
20 [00:01:08] Sanity checking the repository
21 [00:01:08] Checking packages for incremental rebuild needs
22 [00:01:08] Deleting stale symlinks... done
23 [00:01:08] Deleting empty directories... done
24 [00:01:14] Cleaning the build queue
25 [00:01:14] Sanity checking build queue
26 [00:01:14] Processing PRIORITY_BOOST
27 [00:01:15] Balancing pool
28 [00:01:15] Recording filesystem state for prepkg... done
29 [00:01:15] Building 158 packages using 16 builders
30 [00:01:15] Starting/Cloning builders
31 [00:02:29] Hit CTRL+t at any time to see build progress and stats
32 [00:02:29] [01] [00:00:00] Building ports-mgmt/pkg | pkg-1.16.3
33 [00:23:45] [01] [00:21:16] Finished ports-mgmt/pkg | pkg-1.16.3: Success
34 [00:23:48] [01] [00:00:00] Building lang/perl5.32 | perl5-5.32.1_1
35 [00:23:48] [02] [00:00:00] Building print/indexinfo | indexinfo-0.3.1
36 [00:23:48] [03] [00:00:00] Building devel/pkgconf | pkgconf-1.7.4,1
37 [00:23:48] [04] [00:00:00] Building converters/libiconv | libiconv-1.16
```

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```

38 [00:23:49] [05] [00:00:00] Building devel/autoconf-wrapper | autoconf-wrapper-20131203
39 [00:23:49] [06] [00:00:00] Building textproc/xmlcatmgr | xmlcatmgr-2.2_2
40 [00:23:49] [07] [00:00:00] Building textproc/expat2 | expat-2.2.10
41 [00:23:49] [08] [00:00:00] Building security/rhash | rhash-1.4.1
42 [00:23:49] [09] [00:00:00] Building devel/pcre | pcre-8.44
43 [00:23:49] [10] [00:00:00] Building lang/tcl86 | tcl86-8.6.11_1
44 [00:23:49] [11] [00:00:00] Building devel/libedit | libedit-3.1.20210216,1
45 [00:23:49] [12] [00:00:00] Building devel/npth | npth-1.6
46 [00:23:49] [13] [00:00:00] Building print/libpaper | libpaper-1.1.24.4
47 [00:23:49] [14] [00:00:00] Building devel/cvsvs | cvsvs-2.1_2
48 [00:23:49] [15] [00:00:00] Building ports-mgmt/portmaster | portmaster-3.19_27
49 [00:24:35] [05] [00:00:46] Finished devel/autoconf-wrapper | autoconf-wrapper-20131203:
↳ Success
50 [00:24:39] [15] [00:00:50] Finished ports-mgmt/portmaster | portmaster-3.19_27: Success
51 [00:24:44] [02] [00:00:56] Finished print/indexinfo | indexinfo-0.3.1: Success
52 [00:24:46] [02] [00:00:00] Building devel/readline | readline-8.1.0
53 [00:24:46] [05] [00:00:00] Building devel/libffi | libffi-3.3_1
54 [00:24:46] [15] [00:00:00] Building devel/gmake | gmake-4.3_2
55 [00:24:46] [16] [00:00:00] Building security/libgpg-error | libgpg-error-1.42
56 [00:26:25] [14] [00:02:36] Finished devel/cvsvs | cvsvs-2.1_2: Success
57 [00:26:28] [14] [00:00:00] Building devel/gettext-runtime | gettext-runtime-0.21
58 [00:27:41] [06] [00:03:52] Finished textproc/xmlcatmgr | xmlcatmgr-2.2_2: Success
59 [00:27:44] [06] [00:00:00] Building textproc/iso8879 | iso8879-1986_3
60 [00:28:34] [06] [00:00:50] Finished textproc/iso8879 | iso8879-1986_3: Success
61 [00:28:37] [06] [00:00:00] Building textproc/xmlcharent | xmlcharent-0.3_2
62 [00:28:39] [13] [00:04:50] Finished print/libpaper | libpaper-1.1.24.4: Success
63 [00:28:42] [13] [00:00:00] Building devel/libtextstyle | libtextstyle-0.21
64 [00:29:26] [06] [00:00:49] Finished textproc/xmlcharent | xmlcharent-0.3_2: Success
65 [00:29:29] [06] [00:00:00] Building textproc/sdocbook-xml | sdocbook-xml-1.1_2,2
66 [00:29:53] [12] [00:06:04] Finished devel/npth | npth-1.6: Success
67 [00:29:55] [12] [00:00:00] Building textproc/docbook-xml | docbook-xml-5.0_3
68 [00:30:17] [06] [00:00:48] Finished textproc/sdocbook-xml | sdocbook-xml-1.1_2,2: Success
69 [00:30:19] [06] [00:00:00] Building textproc/docbook-sgml | docbook-sgml-4.5_1
70 [00:31:19] [12] [00:01:24] Finished textproc/docbook-xml | docbook-xml-5.0_3: Success
71 [00:31:23] [12] [00:00:00] Building devel/libunistring | libunistring-0.9.10_1
72 [00:31:44] [06] [00:01:25] Finished textproc/docbook-sgml | docbook-sgml-4.5_1: Success
73 [00:31:47] [06] [00:00:00] Building textproc/docbook | docbook-1.5
74 [00:32:36] [06] [00:00:49] Finished textproc/docbook | docbook-1.5: Success
75 [00:32:38] [06] [00:00:00] Building textproc/docbook-xsl | docbook-xsl-1.79.1_1,1
76 [00:34:03] [05] [00:09:17] Finished devel/libffi | libffi-3.3_1: Success
77 [00:34:06] [05] [00:00:00] Building archivers/gtar | gtar-1.34
78 [00:34:40] [07] [00:10:51] Finished textproc/expat2 | expat-2.2.10: Success
79 [00:35:08] [03] [00:11:20] Finished devel/pkgconf | pkgconf-1.7.4,1: Success
80 [00:35:11] [03] [00:00:00] Building textproc/libxml2 | libxml2-2.9.10_3
81 [00:35:11] [07] [00:00:00] Building www/libnghttp2 | libnghttp2-1.43.0
82 [00:38:07] [08] [00:14:18] Finished security/rhash | rhash-1.4.1: Success
83 [00:38:10] [08] [00:00:00] Building security/libtasn1 | libtasn1-4.16.0_1
84 [00:40:19] [15] [00:15:33] Finished devel/gmake | gmake-4.3_2: Success
85 [00:40:23] [15] [00:00:00] Building databases/db5 | db5-5.3.28_7
86 [00:40:43] [06] [00:08:05] Finished textproc/docbook-xsl | docbook-xsl-1.79.1_1,1:
↳ Success
87 [00:40:49] [06] [00:00:00] Building textproc/libyaml | libyaml-0.2.5

```

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```

88 [00:41:26] [11] [00:17:37] Finished devel/libedit | libedit-3.1.20210216,1: Success
89 [00:41:28] [11] [00:00:00] Building devel/libltdl | libltdl-2.4.6
90 [00:41:33] [16] [00:16:47] Finished security/libgpg-error | libgpg-error-1.42: Success
91 [00:41:36] [16] [00:00:00] Building security/libassuan | libassuan-2.5.4
92 [00:42:00] [04] [00:18:12] Finished converters/libiconv | libiconv-1.16: Success
93 [00:42:03] [04] [00:00:00] Building misc/getopt | getopt-1.1.6
94 [00:43:23] [04] [00:01:20] Finished misc/getopt | getopt-1.1.6: Success
95 [00:43:29] [04] [00:00:00] Building devel/xxhash | xxhash-0.8.0
96 [00:43:53] [02] [00:19:07] Finished devel/readline | readline-8.1.0: Success
97 [00:43:56] [02] [00:00:00] Building databases/gdbm | gdbm-1.19
98 [00:47:57] [04] [00:04:28] Finished devel/xxhash | xxhash-0.8.0: Success
99 [00:48:57] [11] [00:07:29] Finished devel/libltdl | libltdl-2.4.6: Success
100 [00:51:15] [16] [00:09:39] Finished security/libassuan | libassuan-2.5.4: Success
101 [00:51:18] [04] [00:00:00] Building security/pinentry-curses | pinentry-curses-1.1.1
102 [00:52:04] [06] [00:11:15] Finished textproc/libyaml | libyaml-0.2.5: Success
103 [00:52:52] [07] [00:17:41] Finished www/libnghttp2 | libnghttp2-1.43.0: Success
104 [00:56:33] [04] [00:05:15] Finished security/pinentry-curses | pinentry-curses-1.1.1:
↪ Success
105 [00:56:35] [04] [00:00:00] Building security/pinentry | pinentry-1.1.1
106 [00:57:30] [04] [00:00:55] Finished security/pinentry | pinentry-1.1.1: Success
107 [00:59:15] [08] [00:21:05] Finished security/libtasn1 | libtasn1-4.16.0_1: Success
108 [00:59:16] [02] [00:15:20] Finished databases/gdbm | gdbm-1.19: Success
109 [01:01:39] [14] [00:35:11] Finished devel/gettext-runtime | gettext-runtime-0.21: Success
110 [01:13:49] [05] [00:39:43] Finished archivers/gtar | gtar-1.34: Success
111 [01:15:44] [03] [00:40:33] Finished textproc/libxml2 | libxml2-2.9.10_3: Success
112 [01:18:33] [10] [00:54:44] Finished lang/tcl86 | tcl86-8.6.11_1: Success
113 [01:18:36] [02] [00:00:00] Building databases/sqlite3 | sqlite3-3.34.1,1
114 [01:23:13] [09] [00:59:24] Finished devel/pcre | pcre-8.44: Success
115 [01:25:00] [13] [00:56:18] Finished devel/libtextstyle | libtextstyle-0.21: Success
116 [01:25:03] [03] [00:00:00] Building devel/gettext-tools | gettext-tools-0.21
117 [02:01:52] [12] [01:30:29] Finished devel/libunistring | libunistring-0.9.10_1: Success
118 [02:01:55] [04] [00:00:00] Building dns/libidn2 | libidn2-2.3.0_1
119 [02:07:11] [02] [00:48:35] Finished databases/sqlite3 | sqlite3-3.34.1,1: Success
120 [02:17:34] [15] [01:37:11] Finished databases/db5 | db5-5.3.28_7: Success
121 [02:18:27] [04] [00:16:32] Finished dns/libidn2 | libidn2-2.3.0_1: Success
122 [02:53:23] [01] [02:29:35] Finished lang/perl5.32 | perl5-5.32.1_1: Success
123 [02:53:30] [01] [00:00:00] Building security/openssl | openssl-1.1.1j_1,1
124 [02:53:30] [02] [00:00:00] Building converters/p5-Text-Uniencode | p5-Text-Uniencode-1.30
125 [02:53:30] [04] [00:00:00] Building textproc/p5-Unicode-EastAsianWidth | p5-Unicode-
↪ EastAsianWidth-12.0
126 [02:53:30] [05] [00:00:00] Building devel/p5-Locale-libintl | p5-Locale-libintl-1.32
127 [02:53:30] [06] [00:00:00] Building misc/help2man | help2man-1.48.1
128 [02:53:30] [07] [00:00:00] Building devel/p5-TimeDate | p5-TimeDate-2.33,1
129 [02:53:30] [08] [00:00:00] Building security/libksba | libksba-1.5.0
130 [02:53:30] [09] [00:00:00] Building devel/p5-Clone | p5-Clone-0.45
131 [02:53:30] [10] [00:00:00] Building converters/p5-Encode-Locale | p5-Encode-Locale-1.05
132 [02:53:30] [11] [00:00:00] Building www/p5-LWP-MediaTypes | p5-LWP-MediaTypes-6.04
133 [02:53:30] [12] [00:00:00] Building devel/p5-IO-HTML | p5-IO-HTML-1.001_1
134 [02:53:30] [13] [00:00:00] Building net/p5-URI | p5-URI-5.07
135 [02:53:30] [14] [00:00:00] Building www/p5-HTML-Tagset | p5-HTML-Tagset-3.20_1
136 [02:53:30] [15] [00:00:00] Building net/p5-Socket6 | p5-Socket6-0.29
137 [02:53:30] [16] [00:00:00] Building textproc/utf8proc | utf8proc-2.6.1

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138 [02:56:01] [04] [00:02:31] Finished textproc/p5-Unicode-EastAsianWidth | p5-Unicode-
↳EastAsianWidth-12.0: Success
139 [02:56:02] [10] [00:02:32] Finished converters/p5-Encode-Locale | p5-Encode-Locale-1.05:
↳Success
140 [02:56:02] [14] [00:02:32] Finished www/p5-HTML-Tagset | p5-HTML-Tagset-3.20_1: Success
141 [02:56:03] [12] [00:02:33] Finished devel/p5-IO-HTML | p5-IO-HTML-1.001_1: Success
142 [02:56:03] [04] [00:00:00] Building security/p5-Digest-HMAC | p5-Digest-HMAC-1.03_1
143 [02:56:05] [11] [00:02:35] Finished www/p5-LWP-MediaTypes | p5-LWP-MediaTypes-6.04:
↳Success
144 [02:56:05] [10] [00:00:00] Building www/p5-Mozilla-CA | p5-Mozilla-CA-20200520
145 [02:56:05] [14] [00:00:00] Building lang/p5-Error | p5-Error-0.17029
146 [02:56:05] [12] [00:00:00] Building devel/p5-Term-ReadKey | p5-Term-ReadKey-2.38_1
147 [02:56:08] [07] [00:02:38] Finished devel/p5-TimeDate | p5-TimeDate-2.33,1: Success
148 [02:56:11] [07] [00:00:00] Building www/p5-HTTP-Date | p5-HTTP-Date-6.05
149 [02:56:17] [13] [00:02:47] Finished net/p5-URI | p5-URI-5.07: Success
150 [02:56:20] [16] [00:02:50] Finished textproc/utf8proc | utf8proc-2.6.1: Success
151 [02:56:24] [09] [00:02:54] Finished devel/p5-Clone | p5-Clone-0.45: Success
152 [02:56:34] [02] [00:03:04] Finished converters/p5-Text-Unidecode | p5-Text-Unidecode-1.
↳30: Success
153 [02:56:50] [06] [00:03:20] Finished misc/help2man | help2man-1.48.1: Success
154 [02:57:48] [05] [00:04:18] Finished devel/p5-Locale-libintl | p5-Locale-libintl-1.32:
↳Success
155 [02:57:50] [02] [00:00:00] Building print/texinfo | texinfo-6.7_4,1
156 [02:57:58] [04] [00:01:55] Finished security/p5-Digest-HMAC | p5-Digest-HMAC-1.03_1:
↳Success
157 [02:57:59] [10] [00:01:54] Finished www/p5-Mozilla-CA | p5-Mozilla-CA-20200520: Success
158 [02:58:00] [04] [00:00:00] Building security/p5-Authen-SASL | p5-Authen-SASL-2.16_1
159 [02:58:04] [14] [00:01:59] Finished lang/p5-Error | p5-Error-0.17029: Success
160 [02:58:07] [15] [00:04:37] Finished net/p5-Socket6 | p5-Socket6-0.29: Success
161 [02:58:09] [05] [00:00:00] Building net/p5-IO-Socket-INET6 | p5-IO-Socket-INET6-2.72_1
162 [02:58:10] [07] [00:01:59] Finished www/p5-HTTP-Date | p5-HTTP-Date-6.05: Success
163 [02:58:12] [06] [00:00:00] Building www/p5-HTTP-Message | p5-HTTP-Message-6.28
164 [02:58:24] [12] [00:02:19] Finished devel/p5-Term-ReadKey | p5-Term-ReadKey-2.38_1:
↳Success
165 [02:59:42] [05] [00:01:33] Finished net/p5-IO-Socket-INET6 | p5-IO-Socket-INET6-2.72_1:
↳Success
166 [02:59:43] [04] [00:01:43] Finished security/p5-Authen-SASL | p5-Authen-SASL-2.16_1:
↳Success
167 [03:00:05] [06] [00:01:53] Finished www/p5-HTTP-Message | p5-HTTP-Message-6.28: Success
168 [03:00:07] [04] [00:00:00] Building www/p5-HTML-Parser | p5-HTML-Parser-3.75
169 [03:02:13] [04] [00:02:06] Finished www/p5-HTML-Parser | p5-HTML-Parser-3.75: Success
170 [03:02:14] [04] [00:00:00] Building www/p5-CGI | p5-CGI-4.51
171 [03:03:47] [04] [00:01:33] Finished www/p5-CGI | p5-CGI-4.51: Success
172 [03:07:57] [08] [00:14:27] Finished security/libksba | libksba-1.5.0: Success
173 [03:22:59] [02] [00:25:09] Finished print/texinfo | texinfo-6.7_4,1: Success
174 [03:23:02] [02] [00:00:00] Building devel/m4 | m4-1.4.18_1,1
175 [03:23:02] [04] [00:00:00] Building security/libgcrypt | libgcrypt-1.9.2_1
176 [03:23:02] [05] [00:00:00] Building math/gmp | gmp-6.2.1
177 [03:42:04] [02] [00:19:02] Finished devel/m4 | m4-1.4.18_1,1: Success
178 [03:42:06] [02] [00:00:00] Building devel/autoconf | autoconf-2.69_3
179 [03:42:06] [06] [00:00:00] Building devel/libtool | libtool-2.4.6_1
180 [03:42:06] [07] [00:00:00] Building devel/bison | bison-3.7.5,1

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181 [03:48:13] [02] [00:06:07] Finished devel/autoconf | autoconf-2.69_3: Success
182 [03:48:15] [02] [00:00:00] Building devel/automake | automake-1.16.3
183 [03:49:45] [06] [00:07:39] Finished devel/libtool | libtool-2.4.6_1: Success
184 [03:52:00] [02] [00:03:45] Finished devel/automake | automake-1.16.3: Success
185 [03:52:01] [02] [00:00:00] Building devel/libuv | libuv-1.41.0
186 [03:52:01] [06] [00:00:00] Building devel/libatomic_ops | libatomic_ops-7.6.10
187 [03:52:01] [08] [00:00:00] Building devel/pcre2 | pcre2-10.36
188 [03:57:06] [03] [02:32:03] Finished devel/gettext-tools | gettext-tools-0.21: Success
189 [03:58:04] [06] [00:06:03] Finished devel/libatomic_ops | libatomic_ops-7.6.10: Success
190 [03:58:06] [03] [00:00:00] Building devel/boehm-gc | boehm-gc-8.0.4_1
191 [03:59:18] [04] [00:36:16] Finished security/libgcrypt | libgcrypt-1.9.2_1: Failed: build
192 [03:59:20] [04] [00:36:18] Skipping devel/git | git-2.31.0: Dependent port security/
↳ libgcrypt | libgcrypt-1.9.2_1 failed
193 [03:59:20] [04] [00:36:18] Skipping devel/glib20 | glib-2.66.7_1,1: Dependent port
↳ security/libgcrypt | libgcrypt-1.9.2_1 failed
194 [03:59:20] [04] [00:36:18] Skipping security/gnupg | gnupg-2.2.27: Dependent port
↳ security/libgcrypt | libgcrypt-1.9.2_1 failed
195 [03:59:20] [04] [00:36:18] Skipping security/gnutls | gnutls-3.6.15: Dependent port
↳ security/libgcrypt | libgcrypt-1.9.2_1 failed
196 [03:59:20] [04] [00:36:18] Skipping textproc/gtk-doc | gtk-doc-1.33.2: Dependent port
↳ security/libgcrypt | libgcrypt-1.9.2_1 failed
197 [03:59:20] [04] [00:36:18] Skipping textproc/libxslt | libxslt-1.1.34_1: Dependent port
↳ security/libgcrypt | libgcrypt-1.9.2_1 failed
198 [03:59:20] [04] [00:36:18] Skipping security/p11-kit | p11-kit-0.23.22_1: Dependent port
↳ security/libgcrypt | libgcrypt-1.9.2_1 failed
199 [03:59:20] [04] [00:36:18] Skipping devel/p5-subversion | p5-subversion-1.14.1:
↳ Dependent port security/libgcrypt | libgcrypt-1.9.2_1 failed
200 [03:59:20] [04] [00:36:18] Skipping devel/subversion | subversion-1.14.1: Dependent port
↳ security/libgcrypt | libgcrypt-1.9.2_1 failed
201 [03:59:20] [04] [00:36:18] Skipping textproc/xmlto | xmlto-0.0.28: Dependent port
↳ security/libgcrypt | libgcrypt-1.9.2_1 failed
202 [03:59:20] [04] [00:36:18] Skipping textproc/yelp-tools | yelp-tools-3.38.0: Dependent
↳ port security/libgcrypt | libgcrypt-1.9.2_1 failed
203 [03:59:20] [04] [00:36:18] Skipping textproc/yelp-xsl | yelp-xsl-3.38.3: Dependent port
↳ security/libgcrypt | libgcrypt-1.9.2_1 failed
204 [04:07:41] [03] [00:09:35] Finished devel/boehm-gc | boehm-gc-8.0.4_1: Success
205 [04:12:27] [02] [00:20:26] Finished devel/libuv | libuv-1.41.0: Success
206 [04:12:50] [07] [00:30:44] Finished devel/bison | bison-3.7.5,1: Success
207 [04:12:52] [02] [00:00:00] Building shells/bash | bash-5.1.4_1
208 [04:40:07] [08] [00:48:06] Finished devel/pcre2 | pcre2-10.36: Success
209 [04:44:41] [02] [00:31:49] Finished shells/bash | bash-5.1.4_1: Success
210 [04:44:44] [02] [00:00:00] Building shells/bash-completion | bash-completion-2.11,2
211 [04:49:35] [02] [00:04:51] Finished shells/bash-completion | bash-completion-2.11,2:
↳ Success
212 [04:57:06] [05] [01:34:04] Finished math/gmp | gmp-6.2.1: Success
213 [04:57:09] [02] [00:00:00] Building security/nettle | nettle-3.6
214 [05:07:59] [01] [02:14:29] Finished security/openssl | openssl-1.1.1j_1,1: Success
215 [05:08:05] [01] [00:00:00] Building lang/python37 | python37-3.7.10
216 [05:08:05] [03] [00:00:00] Building security/ca_root_nss | ca_root_nss-3.63
217 [05:08:05] [04] [00:00:00] Building lang/ruby27 | ruby-2.7.2_1,1
218 [05:08:05] [05] [00:00:00] Building devel/apr1 | apr-1.7.0.1.6.1_1
219 [05:08:05] [06] [00:00:00] Building www/w3m | w3m-0.5.3.20210306

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220 [05:08:05] [07] [00:00:00] Building security/p5-Net-SSLeay | p5-Net-SSLeay-1.88
221 [05:08:05] [08] [00:00:00] Building ftp/wget | wget-1.21
222 [05:10:25] [03] [00:02:20] Finished security/ca_root_nss | ca_root_nss-3.63: Success
223 [05:10:27] [03] [00:00:00] Building ftp/curl | curl-7.75.0
224 [05:13:15] [07] [00:05:10] Finished security/p5-Net-SSLeay | p5-Net-SSLeay-1.88: Success
225 [05:13:17] [07] [00:00:00] Building security/p5-IO-Socket-SSL | p5-IO-Socket-SSL-2.070
226 [05:15:18] [07] [00:02:01] Finished security/p5-IO-Socket-SSL | p5-IO-Socket-SSL-2.070:
↳ Success
227 [05:24:15] [06] [00:16:10] Finished www/w3m | w3m-0.5.3.20210306: Success
228 [05:29:19] [02] [00:32:10] Finished security/nettle | nettle-3.6: Success
229 [05:39:51] [08] [00:31:46] Finished ftp/wget | wget-1.21: Success
230 [06:01:19] [03] [00:50:52] Finished ftp/curl | curl-7.75.0: Success
231 [06:08:04] [05] [00:59:59] Finished devel/apr1 | apr-1.7.0.1.6.1_1: Success
232 [06:22:20] [01] [01:14:15] Finished lang/python37 | python37-3.7.10: Success
233 [06:22:25] [01] [00:00:00] Building devel/py-setuptools@py37 | py37-setuptools-44.0.0
234 [06:22:25] [02] [00:00:00] Building devel/ninja | ninja-1.10.2,2
235 [06:23:57] [01] [00:01:32] Finished devel/py-setuptools@py37 | py37-setuptools-44.0.0:
↳ Success
236 [06:24:01] [01] [00:00:00] Building devel/py-pycparser@py37 | py37-pycparser-2.20
237 [06:24:01] [03] [00:00:00] Building devel/py-six@py37 | py37-six-1.15.0
238 [06:24:01] [05] [00:00:00] Building devel/py-pytz@py37 | py37-pytz-2020.5,1
239 [06:24:01] [06] [00:00:00] Building net/py-pysocks@py37 | py37-pysocks-1.7.1
240 [06:24:01] [07] [00:00:00] Building security/py-certifi@py37 | py37-certifi-2020.12.5
241 [06:24:01] [08] [00:00:00] Building dns/py-idna@py37 | py37-idna-2.10
242 [06:24:01] [09] [00:00:00] Building lang/cython@py37 | py37-cython-0.29.21
243 [06:24:01] [10] [00:00:00] Building textproc/py-chardet@py37 | py37-chardet-3.0.4_3,1
244 [06:24:01] [11] [00:00:00] Building textproc/py-libxml2@py37 | py37-libxml2-2.9.10_3
245 [06:24:01] [12] [00:00:00] Building devel/py-pyparsing@py37 | py37-pyparsing-2.4.7
246 [06:24:01] [13] [00:00:00] Building textproc/py-markupsafe@py37 | py37-markupsafe-1.1.1_1
247 [06:24:01] [14] [00:00:00] Building textproc/py-alabaster@py37 | py37-alabaster-0.7.6
248 [06:24:01] [15] [00:00:00] Building textproc/py-docutils@py37 | py37-docutils-0.16
249 [06:24:01] [16] [00:00:00] Building textproc/py-sphinxcontrib-devhelp@py37 | py37-
↳ sphinxcontrib-devhelp-1.0.2
250 [06:26:35] [14] [00:02:34] Finished textproc/py-alabaster@py37 | py37-alabaster-0.7.6:
↳ Success
251 [06:26:39] [03] [00:02:38] Finished devel/py-six@py37 | py37-six-1.15.0: Success
252 [06:26:39] [16] [00:02:38] Finished textproc/py-sphinxcontrib-devhelp@py37 | py37-
↳ sphinxcontrib-devhelp-1.0.2: Success
253 [06:26:40] [06] [00:02:39] Finished net/py-pysocks@py37 | py37-pysocks-1.7.1: Success
254 [06:26:40] [07] [00:02:39] Finished security/py-certifi@py37 | py37-certifi-2020.12.5:
↳ Success
255 [06:26:43] [14] [00:00:00] Building textproc/py-sphinxcontrib-qthelp@py37 | py37-
↳ sphinxcontrib-qthelp-1.0.3
256 [06:26:44] [12] [00:02:43] Finished devel/py-pyparsing@py37 | py37-pyparsing-2.4.7:
↳ Success
257 [06:26:45] [08] [00:02:44] Finished dns/py-idna@py37 | py37-idna-2.10: Success
258 [06:26:47] [03] [00:00:00] Building textproc/py-pygments@py37 | py37-pygments-2.7.2
259 [06:26:47] [16] [00:00:00] Building graphics/py-imagesize@py37 | py37-imagesize-1.1.0
260 [06:26:47] [06] [00:00:00] Building textproc/py-sphinxcontrib-htmlhelp@py37 | py37-
↳ sphinxcontrib-htmlhelp-1.0.3
261 [06:26:48] [07] [00:00:00] Building textproc/py-sphinxcontrib-jsmath@py37 | py37-
↳ sphinxcontrib-jsmath-1.0.1

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262 [06:26:48] [13] [00:02:47] Finished textproc/py-markupsafe@py37 | py37-markupsafe-1.1.1_
    ↳ 1: Success
263 [06:26:50] [10] [00:02:49] Finished textproc/py-chardet@py37 | py37-chardet-3.0.4_3,1:␣
    ↳ Success
264 [06:26:52] [01] [00:02:51] Finished devel/py-pycparser@py37 | py37-pycparser-2.20:␣
    ↳ Success
265 [06:26:53] [12] [00:00:00] Building textproc/py-sphinxcontrib-applehelp@py37 | py37-
    ↳ sphinxcontrib-applehelp-1.0.2
266 [06:26:54] [08] [00:00:00] Building devel/py-packaging@py37 | py37-packaging-20.9
267 [06:26:56] [05] [00:02:55] Finished devel/py-pytz@py37 | py37-pytz-2020.5,1: Success
268 [06:26:57] [13] [00:00:00] Building textproc/py-sphinxcontrib-serializinghtml@py37 | ␣
    ↳ py37-sphinxcontrib-serializinghtml-1.1.4
269 [06:27:00] [10] [00:00:00] Building devel/scons@py37 | scons-py37-3.1.2
270 [06:27:03] [01] [00:00:00] Building devel/py-cffi@py37 | py37-cffi-1.14.5
271 [06:27:08] [05] [00:00:00] Building devel/py-babel@py37 | py37-Babel-2.9.0
272 [06:27:40] [15] [00:03:39] Finished textproc/py-docutils@py37 | py37-docutils-0.16:␣
    ↳ Success
273 [06:29:03] [14] [00:02:20] Finished textproc/py-sphinxcontrib-qthelp@py37 | py37-
    ↳ sphinxcontrib-qthelp-1.0.3: Success
274 [06:29:12] [16] [00:02:25] Finished graphics/py-imagesize@py37 | py37-imagesize-1.1.0:␣
    ↳ Success
275 [06:29:14] [07] [00:02:26] Finished textproc/py-sphinxcontrib-jsmath@py37 | py37-
    ↳ sphinxcontrib-jsmath-1.0.1: Success
276 [06:29:18] [06] [00:02:31] Finished textproc/py-sphinxcontrib-htmlhelp@py37 | py37-
    ↳ sphinxcontrib-htmlhelp-1.0.3: Success
277 [06:29:24] [12] [00:02:31] Finished textproc/py-sphinxcontrib-applehelp@py37 | py37-
    ↳ sphinxcontrib-applehelp-1.0.2: Success
278 [06:29:25] [13] [00:02:28] Finished textproc/py-sphinxcontrib-serializinghtml@py37 | ␣
    ↳ py37-sphinxcontrib-serializinghtml-1.1.4: Success
279 [06:29:28] [08] [00:02:34] Finished devel/py-packaging@py37 | py37-packaging-20.9:␣
    ↳ Success
280 [06:29:59] [10] [00:02:59] Finished devel/scons@py37 | scons-py37-3.1.2: Success
281 [06:29:59] [03] [00:03:12] Finished textproc/py-pygments@py37 | py37-pygments-2.7.2:␣
    ↳ Success
282 [06:30:04] [06] [00:00:00] Building www/serf | serf-1.3.9_6
283 [06:30:43] [01] [00:03:40] Finished devel/py-cffi@py37 | py37-cffi-1.14.5: Success
284 [06:30:48] [01] [00:00:00] Building security/py-cryptography@py37 | py37-cryptography-3.
    ↳ 3.2
285 [06:31:19] [05] [00:04:11] Finished devel/py-babel@py37 | py37-Babel-2.9.0: Success
286 [06:31:24] [03] [00:00:00] Building devel/py-Jinja2@py37 | py37-Jinja2-2.11.2_1
287 [06:33:01] [03] [00:01:37] Finished devel/py-Jinja2@py37 | py37-Jinja2-2.11.2_1: Success
288 [06:33:13] [11] [00:09:12] Finished textproc/py-libxml2@py37 | py37-libxml2-2.9.10_3:␣
    ↳ Success
289 [06:33:18] [03] [00:00:00] Building textproc/itstool | itstool-2.0.6
290 [06:34:57] [03] [00:01:39] Finished textproc/itstool | itstool-2.0.6: Success
291 [06:37:18] [06] [00:07:14] Finished www/serf | serf-1.3.9_6: Success
292 [06:37:51] [01] [00:07:03] Finished security/py-cryptography@py37 | py37-cryptography-3.
    ↳ 3.2: Success
293 [06:37:56] [01] [00:00:00] Building security/py-openssl@py37 | py37-openssl-20.0.1
294 [06:38:05] [02] [00:15:40] Finished devel/ninja | ninja-1.10.2,2: Success
295 [06:38:10] [02] [00:00:00] Building devel/meson | meson-0.57.1
296 [06:39:17] [01] [00:01:21] Finished security/py-openssl@py37 | py37-openssl-20.0.1:␣
    ↳ Success

```

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```

297 [06:39:21] [01] [00:00:00] Building net/py-urllib3@py37 | py37-urllib3-1.25.11,1
298 [06:40:07] [02] [00:01:57] Finished devel/meson | meson-0.57.1: Success
299 [06:40:14] [02] [00:00:00] Building archivers/liblz4 | liblz4-1.9.3,1
300 [06:40:14] [03] [00:00:00] Building devel/jsoncpp | jsoncpp-1.9.4
301 [06:40:58] [01] [00:01:37] Finished net/py-urllib3@py37 | py37-urllib3-1.25.11,1: Success
302 [06:41:04] [01] [00:00:00] Building www/py-requests@py37 | py37-requests-2.22.0_2
303 [06:42:32] [01] [00:01:28] Finished www/py-requests@py37 | py37-requests-2.22.0_2:
↳ Success
304 [06:44:41] [02] [00:04:27] Finished archivers/liblz4 | liblz4-1.9.3,1: Success
305 [06:44:45] [01] [00:00:00] Building archivers/libarchive | libarchive-3.5.1,1
306 [06:44:45] [02] [00:00:00] Building archivers/zstd | zstd-1.4.8
307 [06:46:32] [09] [00:22:31] Finished lang/cython@py37 | py37-cython-0.29.21: Success
308 [06:46:37] [05] [00:00:00] Building textproc/py-pystemmer@py37 | py37-pystemmer-2.0.0.1
309 [06:48:39] [03] [00:08:25] Finished devel/jsoncpp | jsoncpp-1.9.4: Success
310 [06:50:55] [05] [00:04:18] Finished textproc/py-pystemmer@py37 | py37-pystemmer-2.0.0.1:
↳ Success
311 [06:50:59] [03] [00:00:00] Building textproc/py-snowballstemmer@py37 | py37-
↳ snowballstemmer-1.2.1
312 [06:52:21] [03] [00:01:22] Finished textproc/py-snowballstemmer@py37 | py37-
↳ snowballstemmer-1.2.1: Success
313 [06:52:26] [03] [00:00:00] Building textproc/py-sphinx@py37 | py37-sphinx-3.5.2,1
314 [06:55:31] [03] [00:03:05] Finished textproc/py-sphinx@py37 | py37-sphinx-3.5.2,1:
↳ Success
315 [07:00:16] [02] [00:15:31] Finished archivers/zstd | zstd-1.4.8: Success
316 [07:00:21] [02] [00:00:00] Building net/rsync | rsync-3.2.3
317 [07:15:27] [02] [00:15:06] Finished net/rsync | rsync-3.2.3: Success
318 [07:30:49] [01] [00:46:04] Finished archivers/libarchive | libarchive-3.5.1,1: Success
319 [07:30:51] [01] [00:00:00] Building devel/cmake | cmake-3.19.6
320 [07:52:13] [04] [02:44:08] Finished lang/ruby27 | ruby-2.7.2_1,1: Success
321 [07:52:23] [02] [00:00:00] Building devel/ruby-gems | ruby27-gems-3.0.8
322 [07:53:27] [02] [00:01:04] Finished devel/ruby-gems | ruby27-gems-3.0.8: Success
323 [07:53:29] [02] [00:00:00] Building devel/rubygem-rdoc | rubygem-rdoc-6.3.0
324 [07:53:29] [03] [00:00:00] Building textproc/rubygem-asciidoctor | rubygem-asciidoctor-2.
↳ 0.12
325 [07:54:52] [03] [00:01:23] Finished textproc/rubygem-asciidoctor | rubygem-asciidoctor-2.
↳ 0.12: Success
326 [07:54:57] [02] [00:01:28] Finished devel/rubygem-rdoc | rubygem-rdoc-6.3.0: Success
327 [07:54:59] [02] [00:00:00] Building databases/ruby-bdb | ruby27-bdb-0.6.6_8
328 [08:24:12] [02] [00:29:13] Finished databases/ruby-bdb | ruby27-bdb-0.6.6_8: Success
329 [08:24:14] [02] [00:00:00] Building ports-mgmt/portupgrade | portupgrade-2.4.16,2
330 [08:26:32] [02] [00:02:18] Finished ports-mgmt/portupgrade | portupgrade-2.4.16,2:
↳ Success
331 [15:01:07] [01] [07:30:16] Finished devel/cmake | cmake-3.19.6: Success
332 [15:01:17] [01] [00:00:00] Building emulators/tpm-emulator | tpm-emulator-0.7.4_2
333 [15:08:01] [01] [00:06:44] Finished emulators/tpm-emulator | tpm-emulator-0.7.4_2:
↳ Success
334 [15:08:03] [01] [00:00:00] Building security/trousers | trousers-0.3.14_3
335 [16:38:49] [01] [01:30:46] Finished security/trousers | trousers-0.3.14_3: Success
336 [16:38:52] Stopping 16 builders
337 [16:40:24] Creating pkg repository
338 Creating repository in /tmp/packages: 100%
339 Packing files for repository: 100%

```

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```

340 [16:40:25] Committing packages to repository: /zroot/poudriere/data/packages/12arm7-
    ↪ local-devel/.real_1617536710 via .latest symlink
341 [16:40:25] Removing old packages
342 [16:40:25] Built ports: ports-mgmt/pkg devel/autoconf-wrapper ports-mgmt/portmaster_
    ↪ print/indexinfo devel/cvsps textproc/xmlcatmgr textproc/iso8879 print/libpaper_
    ↪ textproc/xmlcharent devel/npth textproc/sdocbook-xml textproc/docbook-xml textproc/
    ↪ docbook-sgml textproc/docbook devel/libffi textproc/expat2 devel/pkgconf security/
    ↪ rhash devel/gmake textproc/docbook-xsl devel/libedit security/libgpg-error converters/
    ↪ libiconv misc/getopt devel/readline devel/xxhash devel/libltdl security/libassuan_
    ↪ textproc/libyaml www/libnghttp2 security/pinentry-curses security/pinentry security/
    ↪ libtasn1 databases/gdbm devel/gettext-runtime archivers/gtar textproc/libxml2 lang/
    ↪ tcl86 devel/pcre devel/libtextstyle devel/libunistring databases/sqlite3 databases/db5_
    ↪ dns/libidn2 lang/perl5.32 textproc/p5-Unicode-EastAsianWidth converters/p5-Encode-
    ↪ Locale www/p5-HTML-Tagset devel/p5-IO-HTML www/p5-LWP-MediaTypes devel/p5-TimeDate net/
    ↪ p5-URI textproc/utf8proc devel/p5-Clone converters/p5-Text-Unidecode misc/help2man_
    ↪ devel/p5-Locale-libintl security/p5-Digest-HMAC www/p5-Mozilla-CA lang/p5-Error net/p5-
    ↪ Socket6 www/p5-HTTP-Date devel/p5-Term-ReadKey net/p5-IO-Socket-INET6 security/p5-
    ↪ Authen-SASL www/p5-HTTP-Message www/p5-HTML-Parser www/p5-CGI security/libksba print/
    ↪ texinfo devel/m4 devel/autoconf devel/libtool devel/automake devel/gettext-tools devel/
    ↪ libatomic_ops devel/boehm-gc devel/libuv devel/bison devel/pcre2 shells/bash shells/
    ↪ bash-completion math/gmp security/openssl security/ca_root_nss security/p5-Net-SSLeay_
    ↪ security/p5-IO-Socket-SSL www/w3m security/nettle ftp/wget ftp/curl devel/apr1 lang/
    ↪ python37 devel/py-setuptools textproc/py-alabaster devel/py-six textproc/py-
    ↪ sphinxcontrib-devhelp net/py-pysocks security/py-certifi devel/py-pyparsing dns/py-
    ↪ idna textproc/py-markupsafe textproc/py-chardet devel/py-pycparser devel/py-pytz_
    ↪ textproc/py-docutils textproc/py-sphinxcontrib-qthelp graphics/py-imagesize textproc/
    ↪ py-sphinxcontrib-jsmath textproc/py-sphinxcontrib-htmlhelp textproc/py-sphinxcontrib-
    ↪ applehelp textproc/py-sphinxcontrib-serializinghtml devel/py-packaging devel/scons_
    ↪ textproc/py-pygments devel/py-cffi devel/py-babel devel/py-Jinja2 textproc/py-libxml2_
    ↪ textproc/itstool www/serf security/py-cryptography devel/ninja security/py-openssl_
    ↪ devel/meson net/py-urllib3 www/py-requests archivers/liblz4 lang/cython devel/jsoncpp_
    ↪ textproc/py-pystemmer textproc/py-snowballstemmer textproc/py-sphinx archivers/zstd_
    ↪ net/rsync archivers/libarchive lang/ruby27 devel/ruby-gems textproc/rubygem-
    ↪ asciidoctor devel/rubygem-rdoc databases/ruby-bdb ports-mgmt/portupgrade devel/cmake_
    ↪ emulators/tpm-emulator security/trousers
343 [16:40:25] Failed ports: security/libgcrypt:build
344 [16:40:25] Skipped ports: devel/git devel/glib20 devel/p5-subversion devel/subversion_
    ↪ security/gnupg security/gnutls security/p11-kit textproc/gtk-doc textproc/libxslt_
    ↪ textproc/xmlto textproc/yelp-tools textproc/yelp-xsl
345 [12arm7-local-devel] [2021-04-03_21h04m45s] [committing:] Queued: 158 Built: 145 Failed:
    ↪ 1 Skipped: 12 Ignored: 0 Tobuild: 0 Time: 16:39:35
346 [16:40:25] Logs: /zroot/poudriere/data/logs/bulk/12arm7-local-devel/2021-04-03_21h04m45s
347 [16:40:25] WWW: http://build.example.com/build.html?mastername=12arm7-local-devel&
    ↪ build=2021-04-03_21h04m45s
348 [16:40:25] Cleaning up
349 [16:40:25] Unmounting file systems

```

<http://build.example.com/logs/bulk/12arm7-local-devel/latest/build.html>

Poudriere bulk results for 12arm7-local-devel 2021-04-03_21h04m45s — Mozilla Firefox

File Edit View History Bookmarks Tools Help

Poudriere bulk results fo x +

build.example.com/logs/bulk/12arm7-local-devel

start man profile tools system special

Build Jobs Results Logs

Queued	Built	Failed	Skipped	Ignored	Remaining
158	145	7	12	0	0

Load Averages (38%) 6.01 2.81 1.87 Swapinfo 0.00% Elapsed Pkg/Hour Impulse 16:40:26 9 --

Build

Master 12arm7-local-devel
 Build 2021-04-03_21h04m45s
 Status stopped:done:
 Jail 12arm7
 Set devel
 Ports Tree local
 SVN https://svn.freebsd.org/ports/head@569212

Built ports

Show 10 entries Search:

#	Package	Origin	Log	Time
1	pkg-1.16.3	ports-mgmt/pkg	success	00:21:16
2	autoconf-wrapper-20131203	devel/autoconf-wrapper	success	00:00:46
3	portmaster-3.19_27	ports-mgmt/portmaster	success	00:00:50
4	indexinfo-0.3.1	print/indexinfo	success	00:00:56
5	cvsp-2.1.2	devel/cvsp	success	00:02:36
6	xmlcatmgr-2.2_2	textproc/xmlcatmgr	success	00:03:52
7	iso8879-1986_3	textproc/iso8879	success	00:00:50
8	libpaper-1.1.24.4	print/libpaper	success	00:04:50
9	xmlcharent-0.3_2	textproc/xmlcharent	success	00:00:49
10	npth-1.6	devel/npth	success	00:06:04

Showing 1 to 10 of 145 entries Previous 1 2 3 4 5 ... 15 Next

Failed ports

Show 10 entries Search:

#	Package	Origin	Phase	Skipped	Log	Time
1	libgcrypt-1.9.2_1	security/libgcrypt	build	12	???	00:36:15

Showing 1 to 1 of 1 entries Previous 1 Next

Skipped ports

Show 10 entries Search:

#	Package	Origin	Reason
1	git-2.31.0	devel/git	libgcrypt-1.9.2_1
2	glib-2.66.7_1,1	devel/glib20	libgcrypt-1.9.2_1
3	gnupg-2.2.27	security/gnupg	libgcrypt-1.9.2_1
4	gnutls-3.6.15	security/gnutls	libgcrypt-1.9.2_1
5	gtk-doc-1.33.2	textproc/gtk-doc	libgcrypt-1.9.2_1
6	libxslt-1.1.34_1	textproc/libxslt	libgcrypt-1.9.2_1
7	p11-kit-0.23.22_1	security/p11-kit	libgcrypt-1.9.2_1
8	p5-subversion-1.14.1	devel/p5-subversion	libgcrypt-1.9.2_1
9	subversion-1.14.1	devel/subversion	libgcrypt-1.9.2_1
10	xmlto-0.0.28	textproc/xmlto	libgcrypt-1.9.2_1

Showing 1 to 10 of 12 entries Previous 1 2 Next

Queued ports

Show 10 entries Search:

#	Package	Origin	Reason
1	gtar-1.34	archivers/gtar	listed
2	libarchive-3.5.1,1	archivers/libarchive	devel/cmake
3	liblz4-1.9.3,1	archivers/liblz4	net/rsync
4	zstd-1.4.8	archivers/zstd	net/rsync
5	libiconv-1.16	converters/libiconv	net/rsync
6	p5-Encode-Locale-1.05	converters/p5-Encode-Locale	www/p5-HTTP-Message
7	p5-Text-Uniocode-1.30	converters/p5-Text-Uniocode	print/texinfo
8	db5-5.3.28_7	databases/db5	databases/ruby-bdb
9	gdbm-1.19	databases/gdbm	devel/apr1
10	ruby27-bdb-0.6.6_8	databases/ruby-bdb	ports-mgmt/portupgrade

Showing 1 to 10 of 158 entries Previous 1 2 3 4 5 ... 16 Next

100% Poudriere

Note: Meanwhile, the failed port [security/libcrypt](#) was fixed

Note: When web-server is configured (see the next section *Export data*) the current status should be available on-line, e.g. <https://build.example.com/logs/bulk/12arm7-local-devel/latest/build.html>

See also:

- FreeBSD Wiki [arm64/ports](#)
- FreeBSD Wiki [arm](#)

2.3.1.3 Batch

Build packages from all lists in the dictionary, e.g.

```
#!/bin/sh
for i in /usr/local/etc/poudriere.d/pkglist_arm/*; do
    poudriere bulk -j 12arm7 -p local -z devel -f ${i}
done
```

Speedup the process and specify all lists in one command, e.g.

```
#!/bin/sh
my_dir=/usr/local/etc/poudriere.d/pkglist_arm/
my_lists=`find ${my_dir}* | xargs printf " -f %s"`
poudriere bulk -j 12arm7 -p local -z devel ${my_lists}
```

2.3.2 Export data

By default, Poudriere stores the data in `/usr/local/poudriere/data/`

```
[root@build /usr/home/admin]# tree -d -L 2 /usr/local/poudriere/data/
/usr/local/poudriere/data/
|-- cache
|   |-- 12amd64-local-devel
|   `-- 12arm7-local-devel
|-- logs
|   `-- bulk
`-- packages
    |-- 12amd64-local-devel
    `-- 12arm7-local-devel

8 directories
```

Configure a web-server, e.g. Apache

```
[root@build /usr/local/etc]# cat /usr/local/etc/apache24/Includes/usr-local-poudriere-
↪data.conf
<Directory /usr/local/poudriere/data>
    Options Indexes FollowSymLinks
```

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```

    AllowOverride All
    Require all granted
</Directory>

[root@build /usr/local/etc]# cat /usr/local/etc/apache24/extra/build.example.com.conf
<VirtualHost *:80>
    ServerName build.example.com
    DocumentRoot /usr/local/poudriere/data/
</VirtualHost>

<VirtualHost *:443>
    ServerName build.example.com
    DocumentRoot /usr/local/poudriere/data/
    SSLCertificateFile /usr/local/etc/ssl/certs/build.example.com.crt
    SSLCertificateKeyFile /usr/local/etc/ssl/private/build.example.com.key
</VirtualHost>

```

The web page <https://build.example.com/> should display the list

```

Index of /

    .m/
    cache/
    logs/
    packages/

```

Navigate through the *packages*, e.g. <https://build.example.com/packages/12arm7-local-devel/>

```

Index of /packages/12arm7-local-devel

    Parent Directory
    .building/
    .buildname
    .jailversion
    .latest/
    .real_1618001637/
    All/
    Latest/
    meta.conf
    meta.txz
    packagesite.txz

```

and display the *packages*, e.g. <https://build.example.com/packages/12arm7-local-devel/All/>

```

Index of /packages/12arm7-local-devel/All

    Parent Directory
    apr-1.7.0.1.6.1_1.txz
    autoconf-2.69_3.txz
    autoconf-wrapper-20131203.txz
    automake-1.16.3.txz
    bash-5.1.4_1.txz
    bash-completion-2.11,2.txz

```

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```
bison-3.7.5,1.txz
boehm-gc-8.0.4_1.txz
ca_root_nss-3.63.txz
curl-7.75.0.txz
cvsps-2.1_2.txz
db5-5.3.28_7.txz
dhcpcdump-1.8.txz
docbook-1.5.txz
docbook-sgml-4.5_1.txz
docbook-xml-5.0_3.txz
docbook-xsl-1.79.1_1,1.txz
expat-2.2.10.txz
gdbm-1.19.txz
getopt-1.1.6.txz
gettext-runtime-0.21.txz
gettext-tools-0.21.txz
git-2.31.1.txz
glib-2.66.7_1,1.txz
gmake-4.3_2.txz
gmp-6.2.1.txz
...
```

Review the logs, if needed, e.g. <https://build.example.com/logs/bulk/12arm7-local-devel/>

Index of /logs/bulk/12arm7-local-devel

```
Parent Directory
.data.json
2021-04-03_21h04m45s/
2021-04-08_22h07m13s/
2021-04-08_23h01m24s/
2021-04-09_20h55m10s/
2021-04-09_21h57m50s/
2021-04-09_22h53m58s/
latest-done/
latest-per-pkg/
latest/
```

2.3.3 Configure clients

Log to the client and configure the repository

```
root@generic:/home/admin # uname -a
FreeBSD generic 12.2-STABLE FreeBSD 12.2-STABLE r369071 GENERIC arm

root@generic:/home/admin # cat /usr/local/etc/pkg/repos/poudriere.conf
poudriere: {
    url: "http://build.example.com/packages/12arm7-local-devel",
    mirror_type: "http",
    enabled: yes,
    priority: 100,
```

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```
signature_type: "pubkey",
pubkey: "/usr/local/etc/ssl/certs/build.example.com-sk.crt"
}
```

Disable the official repositories

```
root@generic:/home/admin # cat /usr/local/etc/pkg/repos/freebsd.conf
FreeBSD: {
    enabled: no
}
```

Update your pkg database

```
root@generic:/home/admin # pkg update
Updating poudriere repository catalogue...
Fetching meta.conf: 100% 163 B 0.2kB/s 00:01
Fetching packagesite.txz: 100% 42 KiB 42.8kB/s 00:01
Processing entries: 100%
poudriere repository update completed. 145 packages processed.
All repositories are up to date.
```

Display details

```
root@generic:/home/admin # pkg -vv
...
Repositories:
poudriere: {
    url          : "http://build.example.com/packages/12arm7-local-devel",
    enabled      : yes,
    priority     : 100,
    mirror_type  : "HTTP",
    signature_type : "PUBKEY",
    pubkey       : "/usr/local/etc/ssl/certs/build.example.com-sk.crt"
}
```

Note: It seems, it's not possible to force *pkg* accept self-signed https certificate. Setting url: "https:// build ... without verified certificate results in the error SSL routines:tls_process_server_certificate:certificate verify failed pkg: https://build.example.com/ ... /packagesite.txz: Authentication error See [DO comment](#).

Manage packages

```
root@generic:/home/admin # pkg info | grep pkg
pkg-1.15.10          Package manager

root@generic:/home/admin # pkg upgrade pkg
Updating poudriere repository catalogue...
poudriere repository is up to date.
All repositories are up to date.
New version of pkg detected; it needs to be installed first.
The following 1 package(s) will be affected (of 0 checked):
```

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```

Installed packages to be UPGRADED:
pkg: 1.15.10 -> 1.16.3

Number of packages to be upgraded: 1

The process will require 2 MiB more space.
7 MiB to be downloaded.

Proceed with this action? [y/N]: y
[1/1] Fetching pkg-1.16.3.txz: 100%    7 MiB    7.0MB/s    00:01
Checking integrity... done (0 conflicting)
[1/1] Upgrading pkg from 1.15.10 to 1.16.3...
[1/1] Extracting pkg-1.16.3: 100%
Updating poudriere repository catalogue...
poudriere repository is up to date.
All repositories are up to date.
Checking integrity... done (0 conflicting)
Your packages are up to date.

```

See also:

- [FreeBSD Handbook 4.6.2. Configuring pkg Clients to Use a Poudriere Repository](#)
- `man pkg(8)`
- `man pkg.conf(5)`

ANNOTATED SOURCE CODE

3.1 Tasks

3.1.1 main.yml

Synopsis: Main task.

Import tasks if enabled.

[tasks/main.yml]

```
1 ---
2 # tasks freebsd_poudriere
3
4 - name: debug.yml
5   ansible.builtin.import_tasks: debug.yml
6   when: poudriere_debug|bool
7   tags: poudriere_debug
8
9 - name: packages.yml
10  ansible.builtin.import_tasks: packages.yml
11  when: poudriere_install|bool
12  tags: poudriere_packages
13
14 - name: dirs.yml
15  ansible.builtin.import_tasks: dirs.yml
16  when: poudriere_dirs|bool
17  tags: poudriere_dirs
18
19 - name: key.yml
20  ansible.builtin.import_tasks: key.yml
21  when: poudriere_key|bool
22  tags: poudriere_key
23
24 - name: cert.yml
25  ansible.builtin.import_tasks: cert.yml
26  when: poudriere_cert|bool
27  tags: poudriere_cert
28
29 - name: conf.yml
30  ansible.builtin.import_tasks: conf.yml
```

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```

31  when: poudriere_conf|bool
32  tags: poudriere_conf
33
34  - name: pkglists.yml
35    ansible.builtin.import_tasks: pkglists.yml
36    when: poudriere_pkglists|bool
37    tags: poudriere_pkglists
38
39  - name: options.yml
40    ansible.builtin.import_tasks: options.yml
41    when: poudriere_options|bool
42    tags: poudriere_options
43
44  - name: make.yml
45    ansible.builtin.import_tasks: make.yml
46    when: poudriere_make|bool
47    tags: poudriere_make
48
49  # EOF
50  ...

```

3.1.2 debug.yml

Synopsis: Configure debug.

Description of the task.

[tasks/debug.yml]

```

1  ---
2
3  - name: Poudriere Debug
4    vars:
5      msg: |-
6        ansible_architecture [{{ ansible_architecture }}]
7        ansible_os_family [{{ ansible_os_family }}]
8        ansible_distribution [{{ ansible_distribution }}]
9        ansible_distribution_major_version [{{ ansible_distribution_major_version }}]
10       ansible_distribution_version [{{ ansible_distribution_version }}]
11       ansible_distribution_release [{{ ansible_distribution_release }}]
12       ansible_python_version [{{ ansible_python_version }}]
13
14       freebsd_install_method [{{ freebsd_install_method }}]
15       freebsd_use_packages [{{ freebsd_use_packages }}]
16       freebsd_install_retries [{{ freebsd_install_retries }}]
17       freebsd_install_delay [{{ freebsd_install_delay }}]
18
19       poudriere_install [{{ poudriere_install }}]
20       poudriere_dirs [{{ poudriere_dirs }}]
21       poudriere_key [{{ poudriere_key }}]
22       poudriere_cert [{{ poudriere_cert }}]
23       poudriere_conf [{{ poudriere_conf }}]

```

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```

24     poudriere_pkglists [{{ poudriere_pkglists }}]
25     poudriere_options [{{ poudriere_options }}]
26     poudriere_make [{{ poudriere_make }}]
27     poudriere_backup_conf [{{ poudriere_backup_conf|bool }}]
28
29     poudriere_packages
30     {{ poudriere_packages|to_nice_yaml }}
31     poudriere_packages_cert
32     {{ poudriere_packages_cert|to_nice_yaml }}
33     poudriere_owner [{{ poudriere_owner }}]
34     poudriere_group [{{ poudriere_group }}]
35     poudriere_mode [{{ poudriere_mode }}]
36     poudriere_mode_dir [{{ poudriere_mode_dir }}]
37     poudriere_dirs [{{ poudriere_dirs }}]
38     poudriere_ssl_dir [{{ poudriere_ssl_dir }}]
39     poudriere_ssl_dir_mode [{{ poudriere_ssl_dir_mode }}]
40     poudriere_ssl_private_dir [{{ poudriere_ssl_private_dir }}]
41     poudriere_ssl_private_dir_mode [{{ poudriere_ssl_private_dir_mode }}]
42     poudriere_ssl_private_key_mode [{{ poudriere_ssl_private_key_mode }}]
43     poudriere_ssl_dirs
44     {{ poudriere_ssl_dirs|to_nice_yaml }}
45
46     poudriere_key [{{ poudriere_key }}]
47     poudriere_key_size [{{ poudriere_key_size }}]
48     poudriere_key_type [{{ poudriere_key_type }}]
49     poudriere_key_cmd [{{ poudriere_key_cmd }}]
50     poudriere_key_crt [{{ poudriere_key_crt }}]
51     poudriere_conf_pkg_repo_signing_key [{{ poudriere_conf_pkg_repo_signing_key }}]
52
53     poudriere_cert [{{ poudriere_cert }}]
54     poudriere_cert_cn [{{ poudriere_cert_cn }}]
55     poudriere_cert_key [{{ poudriere_cert_key }}]
56     poudriere_cert_csr [{{ poudriere_cert_csr }}]
57     poudriere_cert_path [{{ poudriere_cert_path }}]
58
59     poudriere_conf [{{ poudriere_conf }}]
60     poudriere_conf_file [{{ poudriere_conf_file }}]
61     poudriere_conf_template [{{ poudriere_conf_template }}]
62     poudriere_conf_dir [{{ poudriere_conf_dir }}]
63     poudriere_conf_dirs
64     {{ poudriere_conf_dirs|to_nice_yaml }}
65     poudriere_conf_zpool [{{ poudriere_conf_zpool }}]
66     poudriere_conf_no_zfs [{{ poudriere_conf_no_zfs }}]
67     poudriere_conf_zrootfs [{{ poudriere_conf_zrootfs }}]
68     poudriere_conf_freebsd_host [{{ poudriere_conf_freebsd_host }}]
69     poudriere_conf_resolv_conf [{{ poudriere_conf_resolv_conf }}]
70     poudriere_conf_basefs [{{ poudriere_conf_basefs }}]
71     poudriere_conf_svn_host [{{ poudriere_conf_svn_host }}]
72     poudriere_conf_poudriere_data [{{ poudriere_conf_poudriere_data }}]
73     poudriere_conf_use_portlint [{{ poudriere_conf_use_portlint }}]
74     poudriere_conf_use_tmpfs [{{ poudriere_conf_use_tmpfs }}]
75     poudriere_conf_distfiles_cache [{{ poudriere_conf_distfiles_cache }}]

```

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```

76     poudriere_conf_url_base [{{ poudriere_conf_url_base }}]
77     poudriere_conf_check_changed_options [{{ poudriere_conf_check_changed_options }}
→ ]
78     poudriere_conf_check_changed_deps [{{ poudriere_conf_check_changed_deps }}]
79     poudriere_conf_data
80     {{ poudriere_conf_data|to_nice_yaml }}
81     poudriere_pkglists [{{ poudriere_pkglists }}]
82     poudriere_pkglist_dir [{{ poudriere_pkglist_dir }}]
83     poudriere_pkg_arch {{ poudriere_pkg_arch|to_yaml }}
84     poudriere_options [{{ poudriere_options }}]
85     poudriere_make [{{ poudriere_make }}]
86     poudriere_make_file [{{ poudriere_make_file }}]
87     poudriere_make_conf
88     {{ poudriere_make_conf|to_nice_yaml }}
89
90     ansible.builtin.debug:
91         msg: "{{ ' {}'.format(msg) }}"
92
93     # EOF
94     ...

```

3.1.3 packages.yml

Synopsis: Configure packages.

Description of the task.

[tasks/packages.yml]

```

1  ---
2
3  # Poudriere packages
4  - name: "packages: Install poudriere packages"
5    community.general.pkgng:
6      name: "{{ poudriere_packages }}"
7      register: result
8      retries: "{{ freebsd_install_retries }}"
9      until: result is succeeded
10     delay: "{{ freebsd_install_delay }}"
11     when: freebsd_install_method|lower == "packages"
12
13  - name: "packages: Install poudriere ports"
14    community.general.portinstall:
15      name: "{{ item }}"
16      use_packages: "{{ freebsd_use_packages }}"
17      loop: "{{ poudriere_packages }}"
18      register: result
19      retries: "{{ freebsd_install_retries }}"
20      until: result is succeeded
21      delay: "{{ freebsd_install_delay }}"
22      when: freebsd_install_method|lower == "ports"
23

```

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```

24 # Certificate packages
25 - name: "packages: Install packages to create certificate"
26   community.general.pkgng:
27     name: "{{ poudriere_packages_cert }}"
28     register: result
29     retries: "{{ freebsd_install_retries }}"
30     until: result is succeeded
31     delay: "{{ freebsd_install_delay }}"
32     when: freebsd_install_method|lower == "packages"
33
34 - name: "packages: Install ports to create certificate"
35   community.general.portinstall:
36     name: "{{ item }}"
37     use_packages: "{{ freebsd_use_packages }}"
38     loop: "{{ poudriere_packages_cert }}"
39     register: result
40     retries: "{{ freebsd_install_retries }}"
41     until: result is succeeded
42     delay: "{{ freebsd_install_delay }}"
43     when: freebsd_install_method|lower == "ports"
44
45 # EOF
46 ...

```

3.1.4 dirs.yml

Synopsis: Configure dirs.

Description of the task.

[tasks/dirs.yml]

```

1 ---
2
3 - name: "dirs: Create SSL directories"
4   ansible.builtin.file:
5     state: directory
6     path: "{{ item }}"
7     owner: "{{ poudriere_owner }}"
8     group: "{{ poudriere_group }}"
9     mode: "{{ poudriere_mode_dir }}"
10    loop: "{{ poudriere_ssl_dirs }}"
11
12 - name: "dirs: Create SSL directory {{ poudriere_ssl_private_dir }} mode {{ poudriere_
13   ↪ssl_private_dir_mode }}"
14   ansible.builtin.file:
15     state: directory
16     path: "{{ poudriere_ssl_private_dir }}"
17     owner: "{{ poudriere_owner }}"
18     group: "{{ poudriere_group }}"
19     mode: "{{ poudriere_ssl_private_dir_mode }}"

```

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```
# EOF
...
```

3.1.5 key.yml

Synopsis: Configure key.

Description of the task.

[tasks/key.yml]

```
---
- name: "key: Generate signing key {{ poudriere_conf_pkg_repo_signing_key }}"
  community.crypto.openssl_privatekey:
    attributes: "{{ poudriere_key_attributes|default(omit) }}"
    backup: "{{ poudriere_key_backup|default(omit) }}"
    cipher: "{{ poudriere_key_cipher|default(omit) }}"
    curve: "{{ poudriere_key_curve|default(omit) }}"
    force: "{{ poudriere_key_force|default(omit) }}"
    group: "{{ poudriere_group }}"
    mode: "{{ poudriere_ssl_private_key_mode }}"
    owner: "{{ poudriere_owner }}"
    passphrase: "{{ poudriere_key_passphrase|default(omit) }}"
    path: "{{ poudriere_conf_pkg_repo_signing_key }}"
    # regenerate: "{{ poudriere_key_regenerate|default(omit) }}"
    # return_content: "{{ poudriere_key_return_content|default(omit) }}"
    select_crypto_backend: "{{ poudriere_key_select_crypto_backend|default(omit) }}"
    selevel: "{{ poudriere_key_selevel|default(omit) }}"
    serole: "{{ poudriere_key_serole|default(omit) }}"
    setype: "{{ poudriere_key_setype|default(omit) }}"
    seuser: "{{ poudriere_key_seuser|default(omit) }}"
    size: "{{ poudriere_key_size }}"
    state: "{{ poudriere_key_state|default(omit) }}"
    type: "{{ poudriere_key_type }}"
    unsafe_writes: "{{ poudriere_key_unsafe_writes|default(omit) }}"
- name: "key: Generate signing crt {{ poudriere_key_crt }}"
  ansible.builtin.command:
    cmd: "{{ poudriere_key_cmd }}"
    creates: "{{ poudriere_key_crt }}"

# EOF
...
```

3.1.6 cert.yml

Synopsis: Configure cert.

Description of the task.

[tasks/cert.yml]

```

1 ---
2
3 - name: "cert: Generate OpenSSL private key, request, and certificate"
4   block:
5
6     - name: "cert: Generate private key {{ poudriere_cert_key }}"
7       community.crypto.openssl_privatekey:
8         path: "{{ poudriere_cert_key }}"
9         owner: "{{ poudriere_owner }}"
10        group: "{{ poudriere_group }}"
11        mode: "{{ poudriere_ssl_private_key_mode }}"
12
13     - name: "cert: Generate csr {{ poudriere_cert_csr }}"
14       community.crypto.openssl_csr:
15         path: "{{ poudriere_cert_csr }}"
16         privatekey_path: "{{ poudriere_cert_key }}"
17         common_name: "{{ poudriere_cert_cn }}"
18         when: not ansible_check_mode|bool
19
20     - name: "cert: Generate crt {{ poudriere_cert_path }}"
21       community.crypto.x509_certificate:
22         path: "{{ poudriere_cert_path }}"
23         privatekey_path: "{{ poudriere_cert_key }}"
24         csr_path: "{{ poudriere_cert_csr }}"
25         provider: selfsigned
26         when: not ansible_check_mode|bool
27
28     # <TBD>
29     # It seems, it's not possible to force pkg accept self-signed https certificate.
30     # See https://www.digitalocean.com/community/tutorials/how-to-set-up-a-poudriere-build-
31     ↪ system-to-create-packages-for-your-freebsd-servers?comment=97460
32
33     # EOF
34     ...

```

3.1.7 conf.yml

Synopsis: Configure conf.

Description of the task.

[tasks/conf.yml]

```

1 ---
2
3 - name: "conf: Create directories"

```

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```

4  ansible.builtin.file:
5      state: directory
6      path: "{{ item.dir }}"
7      owner: "{{ item.owner }}"
8      group: "{{ item.group }}"
9      mode: "{{ item.mode }}"
10     loop: "{{ poudriere_conf_dirs }}"
11     loop_control:
12         label: "{{ item.dir }}"
13     tags: poudriere_conf_dirs
14
15 - name: "conf: Configure {{ poudriere_conf_file }}"
16     ansible.builtin.template:
17         src: "{{ poudriere_conf_template }}"
18         dest: "{{ poudriere_conf_file }}"
19         owner: "{{ poudriere_owner }}"
20         group: "{{ poudriere_group }}"
21         mode: "{{ poudriere_mode }}"
22         backup: "{{ poudriere_backup_conf|bool }}"
23     tags: poudriere_conf_file
24
25 # EOF
26 ...

```

3.1.8 pkglists.yml

Synopsis: Configure pkglists.

Description of the task.

[tasks/pkglists.yml]

```

1  ---
2
3  - name: "pkglists: Create list of packages"
4      ansible.builtin.include_tasks: pkglist.yml
5      loop: "{{ poudriere_pkg_arch }}"
6      loop_control:
7          loop_var: pkg_arch
8
9  # EOF
10 ...

```

3.1.9 pkglist.yml

Synopsis: Configure pkglist.

Description of the task.

[tasks/pkglist.yml]

```

1  ---
2
3  # Enable or disable dictionaries in the list _pkg_dict
4  - name: "conf: Create empty list _pkg_dict"
5    ansible.builtin.set_fact:
6      _pkg_dict: []
7    tags: poudriere_pkglist_create_var
8
9  - name: "conf: Add items to the list _pkg_dict"
10   ansible.builtin.set_fact:
11     _pkg_dict: "{{ _pkg_dict + [item|combine({'enable': _combine_enable})] }}"
12   loop: "{{ lookup('vars', 'pkg_dict_' ~ pkg_arch) }}"
13   loop_control:
14     label: "{{ item.pkglist }}"
15   vars:
16     _pkglist_enable: "{{ lookup('vars', 'pkglist_enable_' ~ pkg_arch, default={}) }}"
17     _current_enable: "{{ item.enable|default(true) }}"
18     _combine_enable: "{{ _pkglist_enable[item.pkglist]|default(_current_enable) }}"
19   tags: poudriere_pkglist_create_var
20
21  - name: "conf: Debug _pkg_dict"
22   ansible.builtin.debug:
23     var: _pkg_dict
24   when: poudriere_debug|bool
25   tags: poudriere_pkglist_create_var
26
27  # Create directories
28  - name: "conf: Create directories {{ poudriere_pkglist_dir }}-{{ pkg_arch }}"
29   ansible.builtin.file:
30     state: directory
31     path: "{{ item }}"
32     owner: "{{ poudriere_owner }}"
33     group: "{{ poudriere_group }}"
34     mode: "{{ poudriere_mode_dir }}"
35   loop:
36     - "{{ poudriere_pkglist_dir }}-{{ pkg_arch }}"
37     - "{{ poudriere_pkglist_dir }}-{{ pkg_arch }}.disabled"
38   tags: poudriere_pkglist_create_dirs
39
40  # Disabled lists of packages
41  - name: "conf: Remove lists of packages from {{ poudriere_pkglist_dir }}-{{ pkg_arch }}"
42   ansible.builtin.file:
43     state: absent
44     path: "{{ poudriere_pkglist_dir }}-{{ pkg_arch }}/{{ item.pkglist }}"
45   loop: "{{ _pkg_dict }}"
46   loop_control:

```

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```

47     label: "{{ item.pkglist }}"
48     when: not item.enable
49     tags: poudriere_pkglist_disabled
50
51 - name: "conf: Create lists of packages in {{ poudriere_pkglist_dir }}-{{ pkg_arch }}.
  ↳ disabled"
52     ansible.builtin.template:
53         src: poudriere.pkglist.j2
54         dest: "{{ poudriere_pkglist_dir }}-{{ pkg_arch }}.disabled/{{ item.pkglist }}"
55         owner: "{{ poudriere_owner }}"
56         group: "{{ poudriere_group }}"
57         mode: "{{ poudriere_mode }}"
58         backup: "{{ poudriere_backup_conf|bool }}"
59     loop: "{{ _pkg_dict }}"
60     loop_control:
61         label: "{{ item.pkglist }}"
62     when: not item.enable
63     tags: poudriere_pkglist_disabled
64
65 # Enabled lists of packages
66 - name: "conf: Remove lists of packages from {{ poudriere_pkglist_dir }}-{{ pkg_arch }}.
  ↳ disabled"
67     ansible.builtin.file:
68         state: absent
69         path: "{{ poudriere_pkglist_dir }}-{{ pkg_arch }}.disabled/{{ item.pkglist }}"
70     loop: "{{ _pkg_dict }}"
71     loop_control:
72         label: "{{ item.pkglist }}"
73     when: item.enable
74     tags: poudriere_pkglist_enabled
75
76 - name: "conf: Create lists of packages in {{ poudriere_pkglist_dir }}-{{ pkg_arch }}"
77     ansible.builtin.template:
78         src: poudriere.pkglist.j2
79         dest: "{{ poudriere_pkglist_dir }}-{{ pkg_arch }}/{{ item.pkglist }}"
80         owner: "{{ poudriere_owner }}"
81         group: "{{ poudriere_group }}"
82         mode: "{{ poudriere_mode }}"
83         backup: "{{ poudriere_backup_conf|bool }}"
84     loop: "{{ _pkg_dict }}"
85     loop_control:
86         label: "{{ item.pkglist }}"
87     when: item.enable
88     tags: poudriere_pkglist_enabled
89
90 # EOF
91 ...

```

3.1.10 options.yml

Synopsis: Configure options.

Description of the task.

[tasks/options.yml]

```

1 ---
2
3 - name: "options: Debug"
4   ansible.builtin.debug:
5     msg: Not implemented yet.
6
7 # <TBD>
8 # Optionally copy existing PORT_DBDIR to /usr/local/etc/poudriere.d/options
9 # Create options file for each jail, e.g.
10 # /usr/local/etc/poudriere.d/12amd64-options
11 # /usr/local/etc/poudriere.d/12arm7-options
12
13 # EOF
14 ...

```

3.1.11 make.yml

Synopsis: Configure make.

Description of the task.

[tasks/make.yml]

```

1 ---
2
3 - name: "make: Configure {{ poudriere_make_file }}"
4   ansible.builtin.template:
5     src: make.conf.j2
6     dest: "{{ poudriere_make_file }}"
7     owner: "{{ poudriere_owner }}"
8     group: "{{ poudriere_group }}"
9     mode: "{{ poudriere_mode }}"
10    backup: "{{ poudriere_backup_conf|bool }}"
11
12 # See 10.5.10. Providing a Custom make.conf File
13 # https://docs.freebsd.org/en/books/porters-handbook/testing-poudriere.html
14
15 # <TBD> make.conf file for each jail, e.g.
16 # /usr/local/etc/poudriere.d/12amd64-make.conf
17 # /usr/local/etc/poudriere.d/12arm7-make.conf
18
19 # EOF
20 ...

```

3.2 Handlers

3.2.1 main.yml

Synopsis: Main task.

Import handlers.

[handlers/main.yml]

```
1 ---
2 # handlers freebsd_poudriere
3
4 # EOF
5 ...
```

3.3 Templates

3.3.1 make.conf.j2

Synopsis: Template make.conf.

Description of the template.

[templates/make.conf.j2]

```
1 # {{ ansible_managed }}
2 {% for item in poudriere_make_conf %}
3 {{ item }}
4 {% endfor %}
```

3.3.2 poudriere.conf.j2

Synopsis: Template poudriere.conf.

Description of the template.

[templates/poudriere.conf.j2]

```
1 # {{ ansible_managed }}
2
3 ZPOOL={{ poudriere_conf_zpool }}
4 NO_ZFS={{ poudriere_conf_no_zfs }}
5 ZROOTFS={{ poudriere_conf_zrootfs }}
6 FREEBSD_HOST={{ poudriere_conf_freebsd_host }}
7 RESOLV_CONF={{ poudriere_conf_resolv_conf }}
8 BASEFS={{ poudriere_conf_basefs }}
9 POUDRIERE_DATA={{ poudriere_conf_poudriere_data }}
10 USE_PORTLINT={{ poudriere_conf_use_portlint }}
11 USE_TMPFS={{ poudriere_conf_use_tmpfs }}
12 DISTFILES_CACHE={{ poudriere_conf_distfiles_cache }}
13 PKG_REPO_SIGNING_KEY={{ poudriere_conf_pkg_repo_signing_key }}
```

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```
14 URL_BASE={{ poudriere_conf_url_base }}
15 CHECK_CHANGED_OPTIONS={{ poudriere_conf_check_changed_options }}
16 CHECK_CHANGED_DEPS={{ poudriere_conf_check_changed_deps }}
17
18 # EOF
```

3.3.3 poudriere.conf2.j2

Synopsis: Template poudriere.conf2.

Description of the template.

[templates/poudriere.conf2.j2]

```
1 # {{ ansible_managed }}
2
3 {% for k,v in poudriere_conf_data.items() %}
4 {{ k }}={{ v }}
5 {% endfor %}
6
7 # EOF
```

3.3.4 poudriere.pkglist.j2

Synopsis: Template poudriere.pkglist.

Description of the template.

[templates/poudriere.pkglist.j2]

```
1 {% for package in item.packages %}
2 {{ package }}
3 {% endfor %}
```


COLLECTIONS

4.1 vbotka.freebsd

- Galaxy: [vbotka.freebsd](#)
- GitHub: [vbotka.freebsd](#)

4.1.1 Documented roles

- `ansible`
- `ansible_runner`
- `apache`
- `config_light`
- `freebsd_custom_image`
- `freebsd_postinstall`
- `freebsd_poudriere`
- `freebsd_wpa_cli`

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