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#Classes and defenitions for openvz containers management

#This class upload to HardwareNode new system configs, templates, and other files

class mod\_class\_ovzconfigs {

#Define base configs names for typical tarif planes

#define our system configs path

\$vps\_conf\_path="/etc/sysconfig/vz-scripts/"

#upload openvz systctl.conf

file {"/etc/systctl.conf":

replace => true,

owner => "root",

```

group => "root",
mode => "0744",
source => "puppet:///mod_ovz/sysctl.conf",
}

```

#Upload openvz templates, if we find lock file. For update templates on hardware node, you may create this lock file.

```
#exec { "Update ovz templates":
```

```

#  command => "wget -O /vz/template/cache/centos-5-i386-default.tar.gz
http://install.local/ovz/templates/centos-5-i386-default.tar.gz && rm /vz/firsh_install.lock",
#  path => "/usr/bin:/usr/sbin:/bin",
#  onlyif => "test -f /vz/firsh_install.lock"
#}

```

```
#exec { "${templates}":
```

```

#  command => "wget -O /vz/template/cache/${name}.tar.gz $template_url/${name}.tar.gz && rm
/vz/firsh_install.lock",
#  path => "/usr/bin:/usr/sbin:/bin",
#  onlyif => "test -f /vz/firsh_install.lock"
#}
#$config_exim_trusted_users = split(get_var('config_exim_trusted_users'), ',')

```

```

file {"vps756M":
  path  => "${vps_conf_path}/ve-vps756M.conf-sample",
  source => "puppet:///mod_ovz/vps756M.conf",
  ensure => present,
  replace => true,
  #before => Exec["vcreate_${name}"],
#  exec { "vzlist -ao veid,description | grep ${vps756M_name} | awk '{print $1}' | xargs vzctl
--applyconfig ":
#  path => "/usr/bin:/usr/sbin:/bin:/sbin"
# }
}

```

```

file {"vps128M":
  path  => "${vps_conf_path}/ve-vps128M.conf-sample",
  source => "puppet:///mod_ovz/vps128M.conf",
  ensure => present,
  replace => true, }

```

```

file {"vps256M":
  path  => "${vps_conf_path}/ve-vps256M.conf-sample",
  source => "puppet:///mod_ovz/vps256M.conf",
  ensure => present,
  replace => true, }

```

```

file {"vps512M":
  path => "${vps_conf_path}/ve-vps512M.conf-sample",
  source => "puppet:///mod_ovz/vps512M.conf",
  ensure => present,
  replace => true, }

}

define mod_class_ovzconfigs::mod_def_os_templates ($templates, $template_url){

  file {"${fqdn}_templates":
    path => "/vz/${fqdn}_templates.list",
    ensure => present,
    replace => true,
    source => $templates ? {
      "custom" => "puppet:///mod_ovz/${fqdn}_standart_templates.list",
      "standart" => "puppet:///mod_ovz/standart_templates.list", },
    before => Exec["${fqdn}_download_templates"],
  }

  exec {"${fqdn}_download_templates":
    command => "/usr/sbin/templates-download.sh ${fqdn} ${template_url}",
    path => ["/usr/bin", "/usr/sbin", "/bin", "/sbin"],
    subscribe => File["${fqdn}_templates"],
    require => File["${fqdn}_templates"],
    refreshonly => true, }

}

```

```

define mod_class_ovzconfigs::mod_def_ovzbackup ($ensure = "off", $path_run_backup,
$hour_incr_cron,
$min_incr_cron, $day_incr_cron, $hour_zero_cron, $min_zero_cron, $day_zero_cron,
$type_of_backup = "local") {

```

```

  case $ensure {

    off : {
      cron {"incremental_backup":
        ensure => absent, }

      cron {"zero_backup":
        ensure => absent,
        }
    }

    on : {

```

```

cron {"incremental_backup":
    ensure => present,
    command => "${path_run_backup} ${type_of_backup} 1",
    user => root,
    hour => $hour_incr_cron,
    minute => $min_incr_cron,
    weekday => $day_incr_cron,
}

cron {"zero_backup":
    ensure => present,
    command => "${path_run_backup} ${type_of_backup} 0",
    user => root,
    hour => $hour_zero_cron,
    minute => $min_zero_cron,
    weekday => $day_zero_cron,
}
}
}

```

```

define mod_class_ovzconfigs::mod_def_veadm ($status, $veid, $vetemplate =
"centos-5-i386-default", $vetarif,
$veip, $vedns = "10.0.5.51", $setboot) {

```

```

#Define base configs names for typical tarif planes

```

```

#define our system configs path
$veps_conf_path="/etc/sysconfig/vz-scripts/"

```

```

$vehostname = $name

```

```

case $status {

```

```

#Create new container

```

```

vecreate : {

```

```

    exec {"vecreate_${name}":
        command => "vzctl create ${veid} --ostemplate ${vetemplate} --config ${vetarif} --hostname
${vehostname} --ipadd ${veip} && vzctl set ${veid} --nameserver ${vedns} --onboot ${setboot}
--save && vzctl start ${veid}",
        path => "/usr/bin:/usr/sbin:/bin",
        unless => "test -d /vz/private/${veid}",
        require => File["${vetarif}"],
        before => Exec["ve_check_status_${name}"],
    }
}

```

```

    }
#Remove container
vedestroy : {

    exec {"vedestroy_${name}":
        command => "vzctl stop ${veid} --fast; vzdump --compress ${veid} && vzctl destroy ${veid}",
        path => "/usr/bin:/usr/sbin:/bin",
        onlyif => "vzlist ${veid}" }
    }
#Create not-standart container
vecustom : {

file {"vecus_${name}":
    path => "${vps_conf_path}/${veid}.conf",
    content => template("mod_ovz/${name}_vps.erb"),
    ensure => present,
    replace => true,
    before => Exec["vecrcus_${name}", "vecus-apply_${name}"],
    }

    exec {"vecrcus_${name}":
        command => "vzctl create ${veid} && vzctl start ${veid}",
        path => "/usr/bin:/usr/sbin:/bin",
        unless => "test -d /vz/private/${veid}",
        require => File["vecus_${name}"],
        }

#If vps off, stop it, if on, start it
exec { "vecus_check_status_${name}":
    command => "/usr/sbin/apply_ve_status.sh ${veid} ${setboot}",
    path => ["/usr/bin", "/usr/sbin"],
    onlyif => "test ` /usr/sbin/check_ve_status.sh ${veid} ${setboot}` = 0 "
    }

exec { "vecus-apply_${name}":
    command => "if [ -d /vz/private/${veid} ]; then vzctl restart ${veid}; fi",
    path => ["/usr/bin", "/usr/sbin"],
    onlyif => "test -d /vz/private/${veid}",
    subscribe => File["vecus_${name}"],
    require => File["vecus_${name}"],
    refreshonly => true
    }
    }
}

if $status != "vecustom" {

```

```

#If tarif settings changed, aply new tarif
exec { "veconfig-apply_${name}":
    command => "if [ -d /vz/private/${veid} ]; then vzctl set ${veid} --applyconfig ${vetarif} --save; fi",
    path => ["/usr/bin", "/usr/sbin"],
    onlyif => "test -d /vz/private/${veid}",
    subscribe => File["${vetarif}"],
    refreshonly => true
}

#If VPS settings changed, apply new settings
exec { "ve_check_tarif_${name}":
    command => "vzctl set ${veid} --applyconfig ${vetarif} --save",
    path => ["/usr/bin", "/usr/sbin"],
    onlyif => "test ` /usr/sbin/check_tarif.sh ${veid} ${vetarif} ` = 0 ",
}

#If vps off, stop it, if on, start it
exec { "ve_check_status_${name}":
    command => "/usr/sbin/apply_ve_status.sh ${veid} ${setboot}",
    path => ["/usr/bin", "/usr/sbin", "/bin", "/sbin"],
    onlyif => "test ` /usr/sbin/check_ve_status.sh ${veid} ${setboot} ` = 0 "
}

#set new IP for container
exec { "ve_check_ip_${name}":
    command => "/usr/sbin/ve-apply_ip.sh ${veid} ${veip}",
    path => ["/usr/bin", "/usr/sbin", "/bin", "/sbin"],
    onlyif => "test ` /usr/sbin/ve-check_ip.sh ${veid} ${veip} ` = 0 "
}

#set new DNS for container
exec { "ve_check_dns_${name}":
    command => "/usr/sbin/ve-apply_dns.sh ${veid} ${vedns}",
    path => ["/usr/bin", "/usr/sbin", "/bin", "/sbin"],
    onlyif => "test ` /usr/sbin/ve-check_ip.sh ${veid} ${vedns} ` = 0 "
}
}

```

```

node 'ovz-test2.local' inherits ovzserver-custom {

```

```
mod_class_ovzconfigs::mod_def_os_templates {"templates-ovz-test2.local":  
template_url => "http://install.local/ovz/templates/",  
templates => "standart",  
}
```

```
mod_class_ovzconfigs::mod_def_ovzbackup {"backup-ovz-test2.local":
```

```
path_run_backup => "/usr/sbin/rc.HABackup.sh",  
hour_incr_cron => "12",  
min_incr_cron => "10",  
day_incr_cron => "*",  
hour_zero_cron => "4",  
min_zero_cron => "0",  
day_zero_cron => "5",  
type_of_backup => "remote",  
ensure => "on", }
```

```
mod_class_ovzconfigs::mod_def_veadm {"customer11.vps.local":
```

```
veid => "401",  
setboot => "yes",  
vetemplate => "ubuntu-9.04-x86",  
vetarif => "vps512M",  
veip => "10.0.5.41",  
vedns => "10.0.5.51",  
status => "vcreate",  
}
```

```
mod_class_ovzconfigs::mod_def_veadm {"customer12.vps.local":
```

```
veid => "402",  
setboot => "yes",  
vetemplate => "centos-4-x86",  
vetarif => "vps256M",  
veip => "10.0.5.42",  
vedns => "10.0.5.51",  
status => "vcreate",  
}
```

```
mod_class_ovzconfigs::mod_def_veadm {"customer13.vps.local":
```

```
veid => "403",  
setboot => "yes",  
vetemplate => "debian-5.0-x86",  
vetarif => "vps128M",  
veip => "10.0.5.43",
```



```
vedns => "10.0.5.51",
status => "vecreate",
}
```

```
mod_class_ovzconfigs::mod_def_veadm {"customer14.vps.local":
```

```
veid => "404",
setboot => "yes",
vetemplate => "suse-11.1-x86",
vetarif => "vps756M",
veip => "10.0.5.44",
vedns => "10.0.5.51",
status => "vecreate",
}
```

```
mod_class_ovzconfigs::mod_def_veadm {"customer15.vps.local":
```

```
veid => "405",
setboot => "no",
vetemplate => "fedora-12-x86",
vetarif => "vps256M",
veip => "10.0.5.45",
vedns => "10.0.5.51",
status => "vecreate",
}
```

```
mod_class_ovzconfigs::mod_def_veadm {"customer16.vps.local":
```

```
veid => "406",
setboot => "yes",
vetemplate => "centos-5-x86",
vetarif => "vps512M",
veip => "10.0.5.46",
vedns => "10.0.5.51",
status => "vecreate",
}
```

```
mod_class_ovzconfigs::mod_def_veadm {"test-dns.local":
```

```
veid => "407",
setboot => "yes",
vetemplate => "centos-5-x86",
vetarif => "vps512M",
veip => "10.0.5.47",
vedns => "10.0.5.51",
status => "vecreate",
}
```

```
mod_class_ovzconfigs::mod_def_veadm {"customer17.vps.local":
```

```
  veid => "407",  
  setboot => "yes",  
  vetemplate => "centos-5-i386-default",  
  vetarif => "vps256M",  
  veip => "10.0.5.47",  
  vedns => "10.0.5.51",  
  status => "vcreate",  
}
```

```
}
```

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Posted by [kir](#) on Sat, 26 Dec 2009 23:22:28 GMT

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