

Elmer Baca Holguin  
Linux Admin  
Lab 3 Puppet

File contents are included at the bottom

\*\*\*\*\*

File: users\_init.pp

Notes: Included /etc/skel so that I could copy it's contents within the home directories of the new users.

The defined macro just takes in an argument of the users full name (name), uid, password (all passwords are "temp"), and a list of groups that the user belongs too. The title of the definition is what's used as the username. The macro defines a directory that contains the files located within /etc/skel. This directory is located under /home/username.

There is also a definition for the user, where different traits of the user are defined. Password, UID, GID, groups, and various other details are taken care of here. This is also where the /etc/skel config files are required in order for the user to be created.

Finally the users default group is set to themselves.

The groups managers, sales, and accounting are all defined here too.

Classes for all the users and their information were made to fill out all their information in a desirable manner.

\*\*\*\*\*

File: group\_dirs\_init.pp

Notes: very simple puppet code that just makes directories for groups managers, sales, and accounting. Mode is set to 2770 so that the GID bit is set (files inherit directory GID) and the owner/group members of the directory can read, write, and execute files. Others have no permissions. They're all located under /home.

\*\*\*\*\*

File: users\_init.pp

```
file { ['/etc/skel':  
    ensure => present,  
}
```

```
define macro-useradd ( $name, $uid, $password, $groups) {
```

```
$username = $title
```

```
file { "${username}_config":  
    ensure => 'directory',  
    recurse => remote,  
    source => "/etc/skel/",  
    path => "/home/$username",  
    owner => "$uid",  
    group => "$uid",  
    mode => 0700,  
}  
  
user { "$username":  
    password => "$password",  
    uid => "$uid",  
    gid => "$uid",  
    shell => "/bin/bash",  
    home => "/home/$username",  
    #personal needs  
    managehome => true,  
    ensure => present,  
    comment => "$name",  
    groups => $groups,  
    membership => minimum,  
    require => File["${username}_config"],  
}  
  
group { "$username":  
    gid => $uid,  
    ensure => present  
}  
}
```

```
group { "managers":  
    ensure => "present",  
    gid => "2000",  
}
```

```
group { "sales":  
    ensure => "present",  
    gid => "2001",
```

```
}
```

```
group { "accounting":  
  ensure => "present",  
  gid => "2002",  
}
```

```
class user-ebacahol{  
  macro-useradd{"ebacahol":  
    name => "Elmer Baca Holguin",  
    uid => "1000",  
    password =>  
'$6$03ku2XkH$hxRQuzgUVbGiuKhpgP0kiVZI8MB.oys2EYznWsGEeOU036TuP8FEVqBfG/5n  
SZzp78YSKAq3kiH6IOlz.ekl1.',  
    groups => ["wheel", "managers", "sales", "accounting"],  
  }  
}
```

```
class user-mscott{  
  macro-useradd{"mscott":  
    name => "Micheal Scott",  
    uid => "1001",  
    password =>  
'$6$03ku2XkH$hxRQuzgUVbGiuKhpgP0kiVZI8MB.oys2EYznWsGEeOU036TuP8FEVqBfG/5n  
SZzp78YSKAq3kiH6IOlz.ekl1.',  
    groups => ["managers"],  
  }  
}
```

```
class user-dschrute{  
  macro-useradd{"dschrute":  
    name => "Dwight Schrute",  
    uid => "1002",  
    password =>  
'$6$03ku2XkH$hxRQuzgUVbGiuKhpgP0kiVZI8MB.oys2EYznWsGEeOU036TuP8FEVqBfG/5n  
SZzp78YSKAq3kiH6IOlz.ekl1.',  
    groups => ["managers"],  
  }  
}
```

```
class user-jhalpert{  
  macro-useradd{"jhalpert":  
    name => "Jim Halpert",
```

```

        uid =>"1003",
        password =>
'$6$03ku2XkH$hxRQuzgUVbGiuKhpgP0kiVZI8MB.oys2EYznWsGEeOU036TuP8FEVqBfG/5n
SZzp78YSKAq3kiH6IOlz.ekI1.',
        groups => ["managers"],
    }
}

```

```

class user-pbeesly{
    macro-useradd{"pbeesly":
        name =>"Pam Beesly",
        uid =>"1004",
        password =>
'$6$03ku2XkH$hxRQuzgUVbGiuKhpgP0kiVZI8MB.oys2EYznWsGEeOU036TuP8FEVqBfG/5n
SZzp78YSKAq3kiH6IOlz.ekI1.',
        groups => [],
    }
}

```

```

class user-abernard{
    macro-useradd{"abernard":
        name =>"Andy Bernard",
        uid =>"1005",
        password =>
'$6$03ku2XkH$hxRQuzgUVbGiuKhpgP0kiVZI8MB.oys2EYznWsGEeOU036TuP8FEVqBfG/5n
SZzp78YSKAq3kiH6IOlz.ekI1.',
        groups => ["sales"],
    }
}

```

```

class user-amartin{
    macro-useradd{"amartin":
        name =>"Angela Martin",
        uid =>"1006",
        password =>
'$6$03ku2XkH$hxRQuzgUVbGiuKhpgP0kiVZI8MB.oys2EYznWsGEeOU036TuP8FEVqBfG/5n
SZzp78YSKAq3kiH6IOlz.ekI1.',
        groups => ["accounting"],
    }
}

```

```

class user-k Kapoor{
    macro-useradd{"k Kapoor":

```

```

        name =>"Kelly Kapoor",
        uid =>"1007",
        password =>
'$6$03ku2XkH$hxrQuzgUVbGiuKhpgP0kiVZI8MB.oys2EYznWsGEeOU036TuP8FEVqBfG/5n
SZzp78YSKAq3kiH6IOlz.ekI1.',
        groups => [],
    }
}

```

```

class user-omartinez{
    macro-useradd{"omartinez":
        name =>"Oscar Martinez",
        uid =>"1008",
        password =>
'$6$03ku2XkH$hxrQuzgUVbGiuKhpgP0kiVZI8MB.oys2EYznWsGEeOU036TuP8FEVqBfG/5n
SZzp78YSKAq3kiH6IOlz.ekI1.',
        groups => ["accounting"],
    }
}

```

```

class user-dphilbin{
    macro-useradd{"dphilbin":
        name =>"Darryl Philbin",
        uid =>"1009",
        password =>
'$6$03ku2XkH$hxrQuzgUVbGiuKhpgP0kiVZI8MB.oys2EYznWsGEeOU036TuP8FEVqBfG/5n
SZzp78YSKAq3kiH6IOlz.ekI1.',
        groups => [],
    }
}

```

```

class user-tflenderson{
    macro-useradd{"tflenderson":
        name =>"Toby Flenderson",
        uid =>"1010",
        password =>
'$6$03ku2XkH$hxrQuzgUVbGiuKhpgP0kiVZI8MB.oys2EYznWsGEeOU036TuP8FEVqBfG/5n
SZzp78YSKAq3kiH6IOlz.ekI1.',
        groups => [],
    }
}

```

```

class user-kmalone{

```

```

macro-useradd{"kmalone":
  name =>"Kevin Malone",
  uid =>"1011",
  password =>
'$6$03ku2XkH$hxrQuzgUVbGiuKhpgP0kiVZI8MB.oys2EYznWsGEeOU036TuP8FEVqBfG/5n
SZzp78YSKAq3kiH6IOlz.ekI1.',
  groups => ["accounting"],
}
}

```

```

class user-plapin{
  macro-useradd{"plapin":
    name =>"Phyllis Lapin",
    uid =>"1012",
    password =>
'$6$03ku2XkH$hxrQuzgUVbGiuKhpgP0kiVZI8MB.oys2EYznWsGEeOU036TuP8FEVqBfG/5n
SZzp78YSKAq3kiH6IOlz.ekI1.',
    groups => ["sales"],
  }
}

```

```

class user-shudson{
  macro-useradd{"shudson":
    name =>"Stanley Hudson",
    uid =>"1013",
    password =>
'$6$03ku2XkH$hxrQuzgUVbGiuKhpgP0kiVZI8MB.oys2EYznWsGEeOU036TuP8FEVqBfG/5n
SZzp78YSKAq3kiH6IOlz.ekI1.',
    groups => ["sales"],
  }
}

```

```

class user-mpalmer{
  macro-useradd{"mpalmer":
    name =>"Meredith Palmer",
    uid =>"1014",
    password =>
'$6$03ku2XkH$hxrQuzgUVbGiuKhpgP0kiVZI8MB.oys2EYznWsGEeOU036TuP8FEVqBfG/5n
SZzp78YSKAq3kiH6IOlz.ekI1.',
    groups => [],
  }
}

```

```

class user-cbratton{
  macro-useradd{"cbratton":
    name =>"Creed Bratton",
    uid =>"1015",
    password =>
'$6$03ku2XkH$hXRQuzgUVbGiuKhpgP0kiVZI8MB.oys2EYznWsGEeOU036TuP8FEVqBfG/5n
SZzp78YSKAq3kiH6lOlz.ekl1.',
    groups => [],
  }
}

```

```

node "localhost"{
  include user-ebacahol
  include user-mscott
  include user-dschrute
  include user-jhalpert
  include user-pbeesly
  include user-abernard
  include user-amartin
  include user-kkapoor
  include user-omartinez
  include user-dphilbin
  include user-tflenderson
  include user-kmalone
  include user-plapin
  include user-shudson
  include user-mpalmer
  include user-cbratton
}

```

\*\*\*\*\*

File: group\_dirs\_init.pp

```

file { ['/home/managers/']:
  ensure => 'directory',
  owner => 'root',
  group => 'managers',
  mode => '2770',
}

```

```
file { '/home/sales/':  
    ensure => 'directory',  
    owner => 'root',  
    group => 'sales',  
    mode => '2770',  
}
```

```
file { '/home/accounting/':  
    ensure => 'directory',  
    owner => 'root',  
    group => 'accounting',  
    mode => '2770',  
}
```