

Foreman Server 1.22 with Centos 7.6

Repo Server with CentOS 7.6

Requirement:

Create local Ubuntu Repository for bionic 18.04.[1-3]

Create local Ubuntu Repository for xenial 16.04.[1-3]

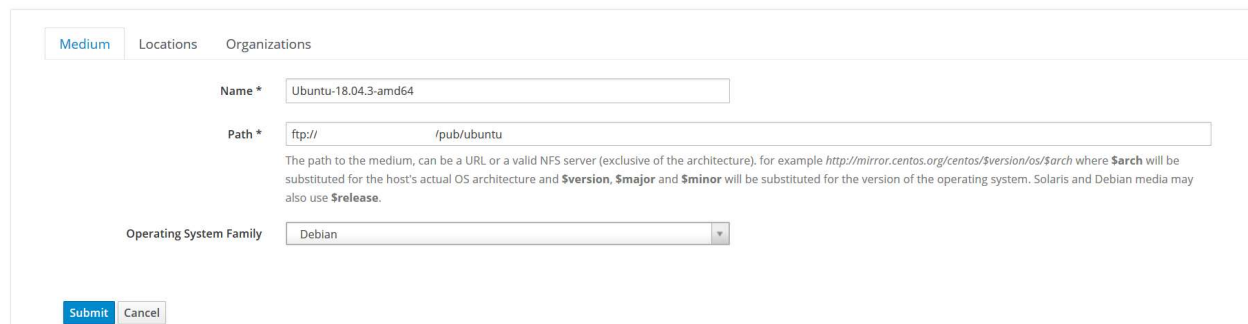
Installation media

Path => http://repo\_server/...

OR

Path => ftp://foreman\_server/...

[Installation Media](#) > [Edit Ubuntu-18.04.3-amd64](#) 



The screenshot shows the 'Medium' tab of the 'Edit Ubuntu-18.04.3-amd64' configuration page. It features three tabs: 'Medium' (selected), 'Locations', and 'Organizations'. The 'Name' field is 'Ubuntu-18.04.3-amd64'. The 'Path' field is 'ftp:// /pub/ubuntu', with a tooltip explaining that the path can be a URL or NFS server and that variables like \$version, \$major, \$minor, and \$release can be used. The 'Operating System Family' dropdown is set to 'Debian'. At the bottom are 'Submit' and 'Cancel' buttons.

I hard coded the full path and/or use the variables such as \$release/%major/\$minor

The hierachy path match the levels (i.e. xenial/16/04.1 ... bionic/18/04.1...)

I have tried muliple paths with the ftp & http

## Operating system

The majos, minor and release name match the path as decribed above.

The screenshot shows a web-based configuration interface for an operating system. The 'Operating System' tab is selected. The form includes the following fields and options:

- Name \***: Text input with 'Ubuntu' entered. Help text: 'OS name from facter; e.g. RedHat'.
- Major Version \***: Text input with '18' entered. Help text: 'OS major version from facter; e.g. 7'.
- Minor Version**: Text input with '04.3' entered. Help text: 'OS minor version from facter; e.g. 0 or 6.1810 (CentOS scheme)'.
- Description**: Empty text input. Help text: 'OS friendly name; e.g. RHEL 6.5'.
- Family**: Dropdown menu with 'Debian' selected.
- Release Name**: Text input with 'bionic' entered. Help text: 'e.g. karmic, lucid, hw0910 etc'.
- Root Password Hash**: Dropdown menu with 'SHA256' selected. Help text: 'Hash function to use. Change takes effect for new or updated hosts.'
- Architectures**: A list of available architectures (i386, x86\_64) and a 'Selected Items' list containing 'amd64'.

The “Preseed default” points to the REPO server mirror, but when try to install fail staying that it doesnot support specific release of bionic

```
#Ubuntu_Local_Mirror [ http ]
```

```
#d-i mirror/protocol string http
```

```
#d-i mirror/country string manual
```

```
#d-i mirror/http/hostname string MY_REPO_SERVER.MY_DOMAIN.COM
```

```
#d-i mirror/http/directory string /repos/ubuntu/<%= @host.operatingsystem.release_name %>/<%=  
@host.operatingsystem.major %>/<%= @host.operatingsystem.minor %>
```

```
#d-i mirror/http/proxy string<%= proxy_string %>
```

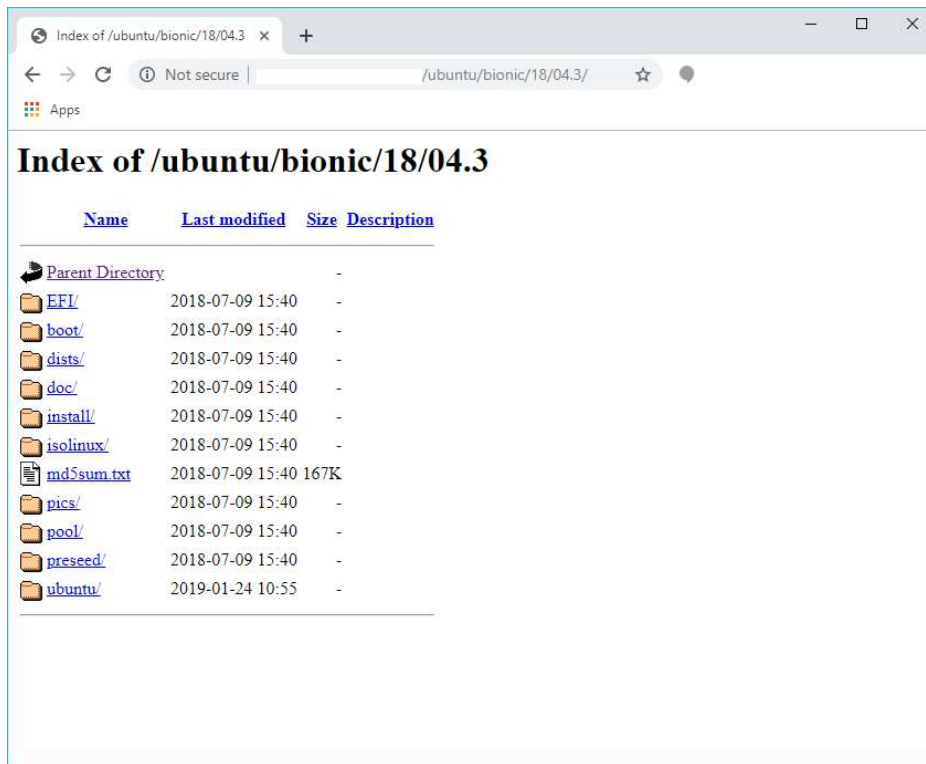
```
#d-i mirror/http/mirror select MY_REPO_SERVER_IP/repos/ubuntu/<%=  
@host.operatingsystem.release_name %>/<%= @host.operatingsystem.major %>/<%=  
@host.operatingsystem.minor %>
```

```
#d-i mirror/codename string <%= @host.operatingsystem.release_name %>
```

```
#d-i mirror/suite string <%= @host.operatingsystem.release_name %>
```

```
#d-i mirror/udeb/suite string <%= @host.operatingsystem.release_name %>
```

This is the REPO server



The screenshot shows a web browser window with the address bar displaying "Index of /ubuntu/bionic/18/04.3/". The page title is "Index of /ubuntu/bionic/18/04.3". Below the title, there is a table with the following columns: Name, Last modified, Size, and Description. The table lists the following items:

Name	Last modified	Size	Description
<a href="#">Parent Directory</a>		-	
<a href="#">EFI/</a>	2018-07-09 15:40	-	
<a href="#">boot/</a>	2018-07-09 15:40	-	
<a href="#">dists/</a>	2018-07-09 15:40	-	
<a href="#">doc/</a>	2018-07-09 15:40	-	
<a href="#">install/</a>	2018-07-09 15:40	-	
<a href="#">isolinux/</a>	2018-07-09 15:40	-	
<a href="#">md5sum.txt</a>	2018-07-09 15:40	167K	
<a href="#">pics/</a>	2018-07-09 15:40	-	
<a href="#">pool/</a>	2018-07-09 15:40	-	
<a href="#">preseed/</a>	2018-07-09 15:40	-	
<a href="#">ubuntu/</a>	2019-01-24 10:55	-	

This is the LOG at the 4<sup>th</sup> terminal

```
Java KVM Viewer v1.69.37 - Resolution 1024 X 768 - FPS 30
Virtual Media Record Macro Options User List Capture Power Control Exit
Sep 13 16:55:35 netcfg[2212]: DEBUG: Reading nameservers from /etc/resolv.conf
Sep 13 16:55:35 netcfg[2212]: DEBUG: Read nameserver [REDACTED]
Sep 13 16:55:35 netcfg[2212]: DEBUG: Read nameserver [REDACTED]
Sep 13 16:55:35 netcfg[2212]: DEBUG: Read nameserver [REDACTED]
Sep 13 16:55:35 netcfg[2212]: DEBUG: State is now 1
Sep 13 16:55:35 netcfg[2212]: DEBUG: State is now 2
Sep 13 16:55:35 netcfg[2212]: DEBUG: State is now 5
Sep 13 16:55:35 netcfg[2212]: DEBUG: Using DNS to try and obtain default hostname
Sep 13 16:55:35 netcfg[2212]: DEBUG: Getting default hostname from rDNS lookup of autoconfigured address [REDACTED]
Sep 13 16:55:35 netcfg[2212]: DEBUG: getnameinfo() returned -2 (Name or service not known)
Sep 13 16:55:35 netcfg[2212]: DEBUG: Getting default hostname from rDNS lookup of autoconfigured address [REDACTED]
2
Sep 13 16:55:35 netcfg[2212]: DEBUG: getnameinfo() returned -2 (Name or service not known)
Sep 13 16:55:35 netcfg[2212]: INFO: Detected we have an FQDN: splitting and setting domain
Sep 13 16:55:35 netcfg[2212]: DEBUG: State is now 6
Sep 13 16:55:35 netcfg[2212]: DEBUG: Network config complete
Sep 13 16:55:35 netcfg[2212]: WARNING **: Using /etc/netplan/01-netcfg.yaml
Sep 13 16:55:35 netcfg[2212]: DEBUG: No interface given: clearing /etc/netplan/01-netcfg.yaml
Sep 13 16:55:35 netcfg[2212]: WARNING **: Using netplan for network config
Sep 13 16:55:35 netcfg[2212]: DEBUG: Success!
Sep 13 16:55:35 netcfg[2212]: WARNING **: Using /etc/netplan/01-netcfg.yaml
Sep 13 16:55:35 netcfg[2212]: WARNING **: Using netplan for network config
Sep 13 16:55:35 netcfg[2212]: DEBUG: Success!
Sep 13 16:55:35 netcfg[2212]: WARNING **: Using /etc/netplan/01-netcfg.yaml
Sep 13 16:55:35 netcfg[2212]: WARNING **: Using netplan for network config
Sep 13 16:55:35 netcfg[2212]: DEBUG: Writing DHCP stanza for enol
Sep 13 16:55:35 netcfg[2212]: DEBUG: Success!
Sep 13 16:55:36 main-menu[438]: INFO: Falling back to the package description for brltty-udeb
Sep 13 16:55:36 main-menu[438]: INFO: Falling back to the package description for brltty-udeb
Sep 13 16:55:36 main-menu[438]: INFO: Menu item 'network-preseed' selected
Sep 13 16:55:37 preseed: successfully loaded preseed file from [REDACTED]unattended/provision?token=f0cd241c-2cd3-4bd1-b10b-929b07e55235
Sep 13 16:55:37 main-menu[438]: (process:2330): expr: warning: '^.*[[[:a-fA-F0-9]]*\\$]': using '^' as the first character
Sep 13 16:55:37 main-menu[438]: (process:2330): of a basic regular expression is not portable: it is ignored
Sep 13 16:55:37 main-menu[438]: (process:2330): 2019-09-13 16:55:37 URL:http://[REDACTED]unattended/provision?token=f0cd241c-2cd3-4bd1-b10b-929b07e55235 [4821] -> "/tmp/_fetch-url_debconf-seed.2346" [1]
Sep 13 16:55:37 main-menu[438]: INFO: Falling back to the package description for brltty-udeb
Sep 13 16:55:37 main-menu[438]: INFO: Falling back to the package description for brltty-udeb
Sep 13 16:55:37 main-menu[438]: INFO: Menu item 'choose-mirror' selected
Sep 13 16:55:37 ana-install: Queueing udeb apt-mirror-setup for later installation
Sep 13 16:55:37 choose-mirror[4081]: DEBUG: command: uget --no-verbose http://[REDACTED]repos/ubuntu/bionic/18/04/dists/bionic/Release -0 -l grep -E '^((Suite|Codename|Architectures):)'
Sep 13 16:55:37 choose-mirror[4081]: INFO: mirror does not have any suite symlinks
Sep 13 16:55:37 choose-mirror[4081]: DEBUG: command: uget --no-verbose http://[REDACTED]repos/ubuntu/bionic/18/04/dists/bionic/Release -0 -l grep -E '^((Suite|Codename|Architectures):)'
Sep 13 16:55:37 choose-mirror[4081]: WARNING **: mirror does not support the specified release (bionic)
Sep 13 16:56:08 kernel: [ 84.691690] random: crng init done
```

The “Preseed default” points to the Foreman server mirror, but when try to install looks for a CD-rom

#Ubuntu\_Local\_Mirror [ ftp ]

d-i mirror/protocol string ftp

d-i mirror/country string manual

d-i mirror/http/hostname string MY\_LOCAL\_SERVER.MY\_DOMAIN.COM

d-i mirror/http/directory string /data/pub/ubuntu/<%= @host.operatingsystem.release\_name %>/<%= @host.operatingsystem.major %>/<%= @host.operatingsystem.minor %>

d-i mirror/http/proxy string

d-i mirror/http/mirror select MY\_LOCAL\_SERVER\_IP/data/pub/ubuntu/<%= @host.operatingsystem.release\_name %>/<%= @host.operatingsystem.major %>/<%= @host.operatingsystem.minor %>



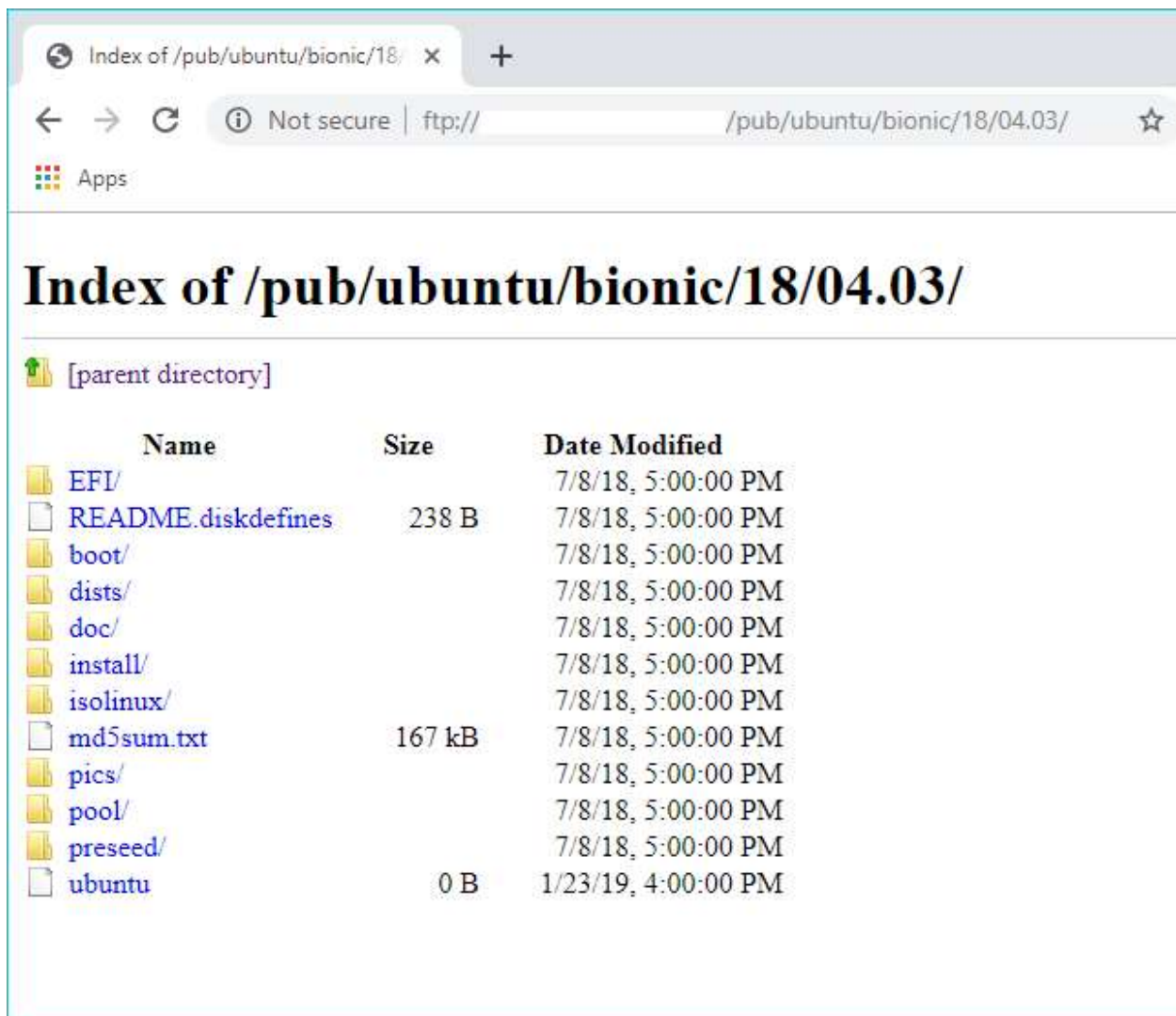
Failed to cancel pending build for : with the following errors: X  
Unable to render 'PXELinux default local boot' template: expected of components of URI::FTP (scheme, userinfo, host, port, path, typecode), Unable to render 'PXEGrub2 default local boot' template: expected of components of URI::FTP (scheme, userinfo, host, port, path, typecode), Unable to render 'PXEGrub default local boot' template: expected of components of URI::FTP (scheme, userinfo, host, port, path, typecode), Unable to render 'iPXE default local boot' template: expected of components of URI::FTP (scheme, userinfo, host, port, path, typecode)



#### Unable to save

Unable to render 'PXELinux default local boot' template: expected of components of URI::FTP (scheme, userinfo, host, port, path, typecode)  
Unable to render 'PXEGrub2 default local boot' template: expected of components of URI::FTP (scheme, userinfo, host, port, path, typecode)  
Unable to render 'PXEGrub default local boot' template: expected of components of URI::FTP (scheme, userinfo, host, port, path, typecode)  
Unable to render 'iPXE default local boot' template: expected of components of URI::FTP (scheme, userinfo, host, port, path, typecode)

This is the Foreman Server



The screenshot shows a web browser window with the address bar displaying 'Index of /pub/ubuntu/bionic/18/04.03/'. The browser's address bar indicates 'Not secure' and 'ftp://'. The page title is 'Index of /pub/ubuntu/bionic/18/04.03/'. Below the title, there is a link to the parent directory. A table lists the files and directories in the directory, including 'EFI/', 'README.diskdefines', 'boot/', 'dists/', 'doc/', 'install/', 'isolinux/', 'md5sum.txt', 'pics/', 'pool/', 'preseed/', and 'ubuntu'.

Name	Size	Date Modified
EFI/		7/8/18, 5:00:00 PM
README.diskdefines	238 B	7/8/18, 5:00:00 PM
boot/		7/8/18, 5:00:00 PM
dists/		7/8/18, 5:00:00 PM
doc/		7/8/18, 5:00:00 PM
install/		7/8/18, 5:00:00 PM
isolinux/		7/8/18, 5:00:00 PM
md5sum.txt	167 kB	7/8/18, 5:00:00 PM
pics/		7/8/18, 5:00:00 PM
pool/		7/8/18, 5:00:00 PM
preseed/		7/8/18, 5:00:00 PM
ubuntu	0 B	1/23/19, 4:00:00 PM

I need to configure ftp or http or both to have control over Ubuntu installations.

I need to know if the same "Preseed" configuration files work for bionic and xenial.