

# Customizing anaconda for fun and profit

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Flock 2015, Rochester, NY

August 13, 2015



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Nicki Minaj - Anaconda - YouTube  
[www.youtube.com/watch?v=LDZX4ooRsWs](http://www.youtube.com/watch?v=LDZX4ooRsWs)

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**Anaconda (1997 film)**  
Release date: April 11, 1997 (USA)  
Director: Luis Llosa

**Eunectes (Snake)**  
Lower classifications: Eunectes beniensis, Eunectes mu...  
Scientific name: Eunectes

# Why?

- Building Fedora remixes



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# Why?

- Building Fedora remixes
- Adding new packages to anaconda runtime



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# Why?

- Building Fedora remixes
- Adding new packages to anaconda runtime
- Adding new features to anaconda



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- mock



# Tools

- mock
- **buildinstall**



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# Tools

- mock
- buildinstall
- **lorax**



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```
config_opts['plugin_conf']['bind_mount_enable'] = True
config_opts['plugin_conf']['bind_mount_opts']['dirs']\
    .append(('/dev', '/dev/'))
config_opts['plugin_conf']['bind_mount_opts']['dirs']\
    .append(('/dev/pts', '/dev/pts/'))
config_opts['plugin_conf']['bind_mount_opts']['dirs']\
    .append(('/dev/shm', '/dev/shm/'))
```



# Anaconda installer components

- kernel



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# Anaconda installer components

- kernel
- ramdisk(stage1)



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# Anaconda installer components

- kernel
- ramdisk(stage1)
- stage2



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- Shell script



- Shell script
- `upd-instrout`



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## 1 lorax



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# Tree (and image) builder

- Buildinstall is hard to customize



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# Tree (and image) builder

- Buildinstall is hard to customize
- Python based



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# Tree (and image) builder

- Buildinstall is hard to customize
- Python based
- Uses a template system



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# Demo: Patching anaconda

- Patch1



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# Demo: Patching anaconda

- Patch1
- Patch2



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# Demo: Building anaconda runtime

```
lorax -p $(PRODUCT) -v $(VERSION) -r $(RELEASE) -s $(REPO1)\  
-s $(REPO2) -s $(ANACONDA_MIRROR) --isfinal ./tree
```



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# Demo: Testing the runtime image

- run a VM?



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# Questions?

