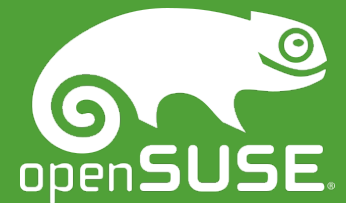


openSUSE Tumbleweed

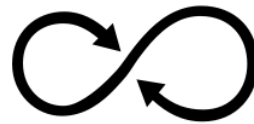
- how it does keep rolling!



Max Lin – Software Engineer
mlin@suse.com

What is Tumbleweed

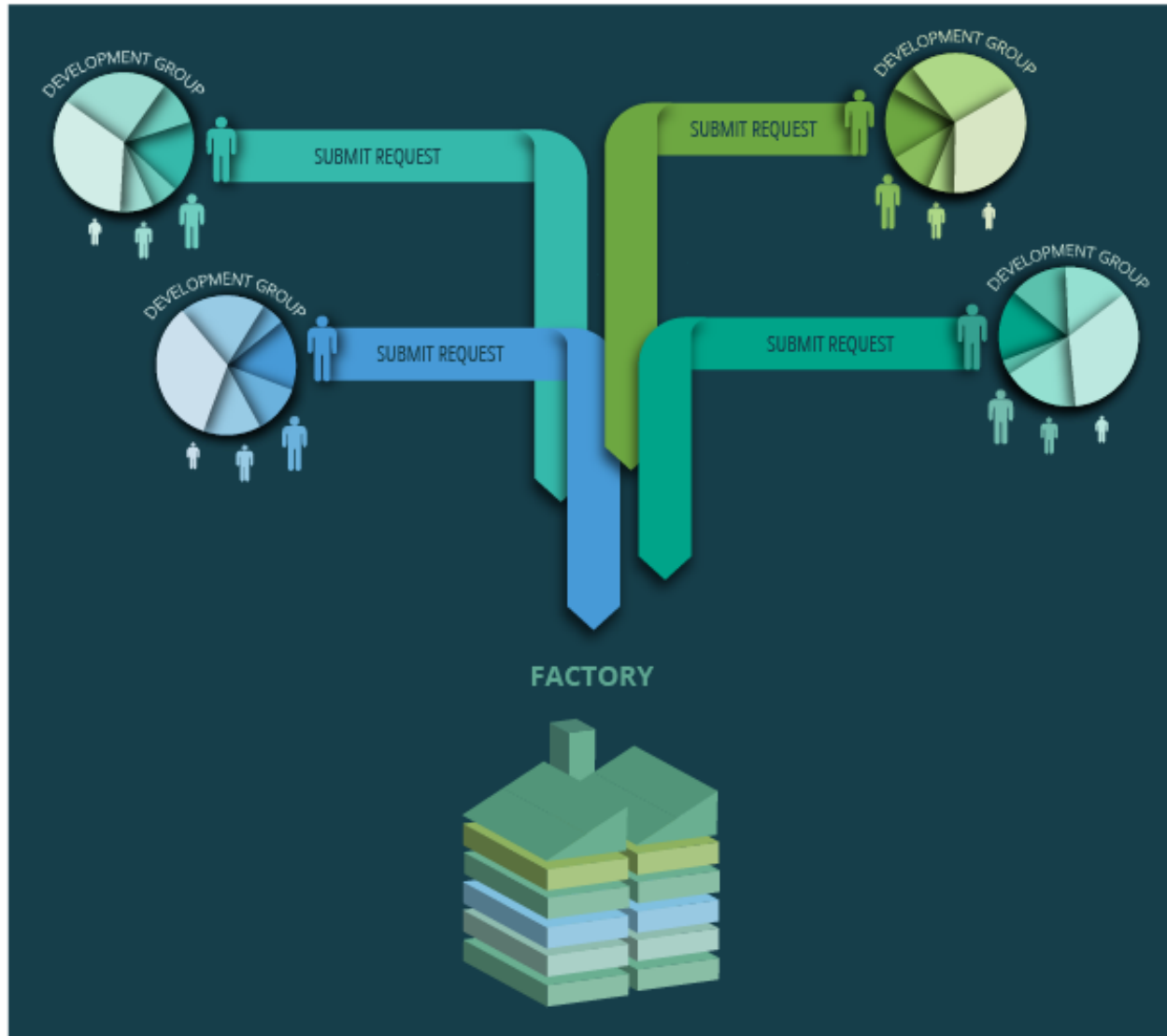
- A pure rolling release version of openSUSE
- Tumbleweed contains the latest stable applications
- Tumbleweed is based on Factory, openSUSE's main development codebase
- The core system packages receive automated testing via openQA



Tumbleweed



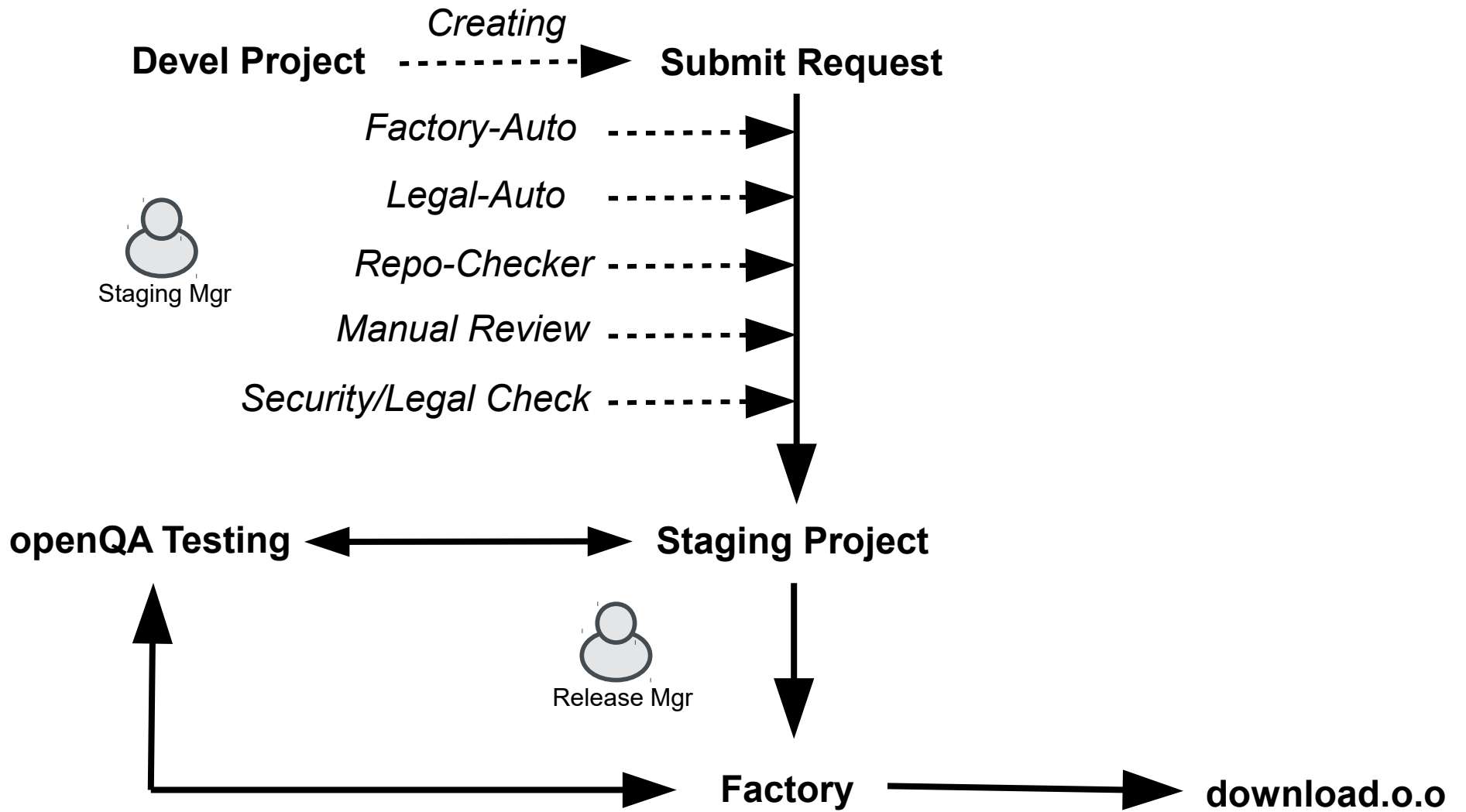
Development workflow



Process



Reviews



Reviews(cont.)

- Factory-Auto: checks basic rules and adds additional reviewers
- Legal-Auto: checking if the license of the package is in the permitted license database
- Review Team: human check of the request
- Repo-Checker: a more deeper automatic check
- Factory-Staging: review by Staging Manager (manual check and assisted by repochecker and openQA)

Repo Checker

- Build result verification, including sub-package
- The binary files is installable
- Checks the conflicts with other packages
- Checks the source was changed in the devel project but not in the submission
- Detecting new build cycle
- Checks the validation of delete request as far as possible
- Commenting on the request if found the problem



Welcome to openQA

Life is too short for manual testing!

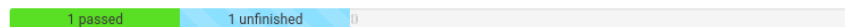
[LEARN MORE »](#)

Staging Projects

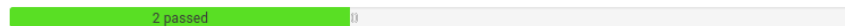
[Build484.10](#) (about an hour ago)



[Build331.11](#) (7 minutes ago)



[Build331.10](#) (about 2 hours ago) 🟢



openSUSE Argon

[Build1.58](#) (about an hour ago)

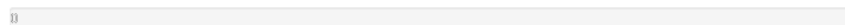


openSUSE Krypton

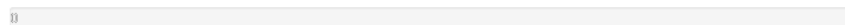
[Build2.37](#) (about an hour ago)



[Build2.36](#) (about 3 hours ago)



[Build2.35](#) (about 11 hours ago)



openSUSE Leap 42.1 JeOS

[Build8.3](#) (about 5 hours ago)



[Build8.2](#) (a day ago)










































































Rings and Staging Project

- Rings:0-Bootstrap : bootstrap packages (108 packages)
- Rings:1-MinimalX : everything for minimal X environment (1160 packages)
- Rings:2-TestDVD : a pretty much complete DVD (1096 packages)
- Staging:A-J : staging for ring 1 packages
- Staging:A-J:DVD : staging for ring 2 packages
- Staging:adi:* : staging for others packages not in the Rings

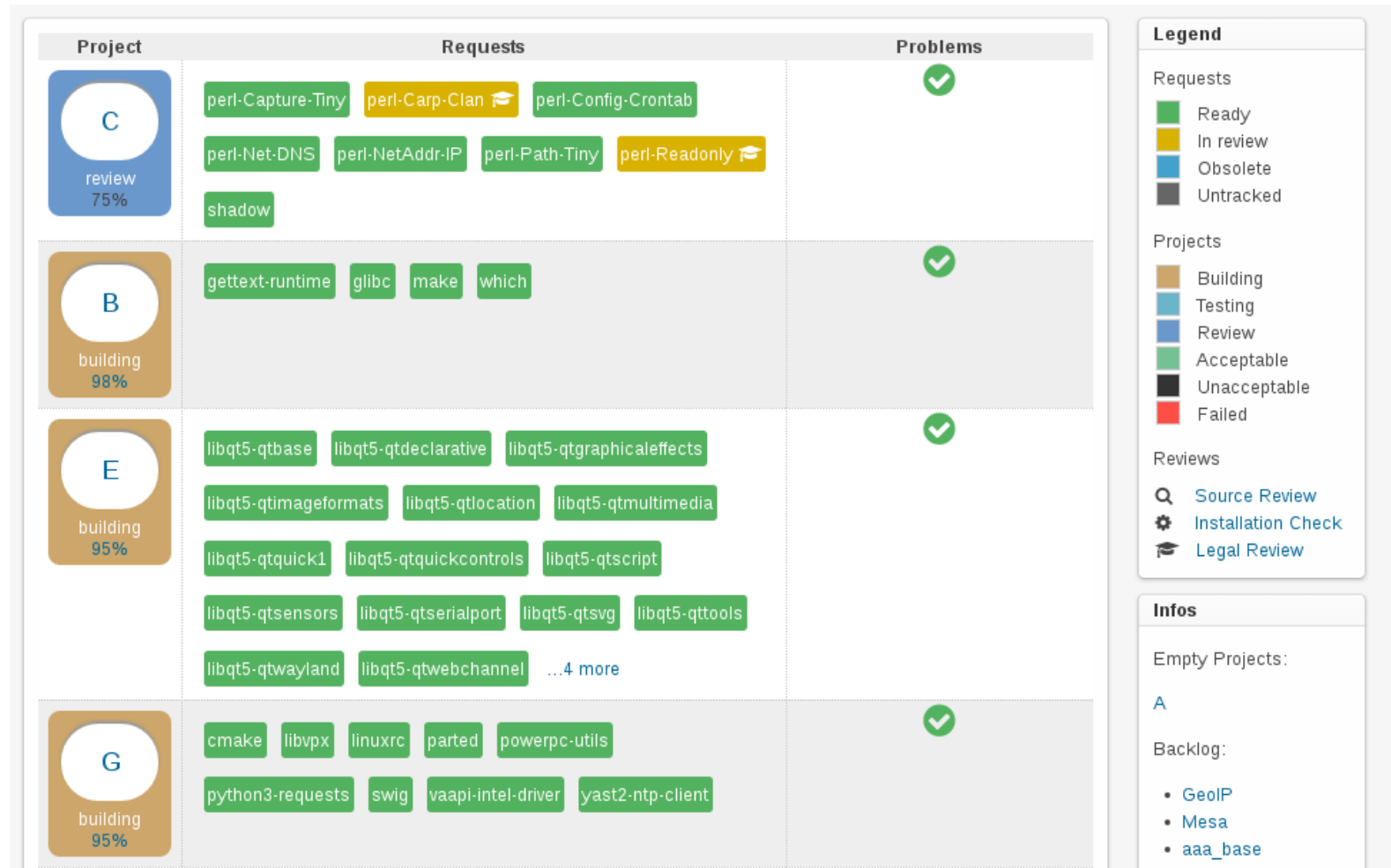
openQA Tests

- Normal installation
- Installation on RAID partition(software RAID)
- Installation with cryptlvm enabled
- Installation on UEFI environment
- Boot into rescue system
- Console tools test
- Minimal-X/GNOME/KDE environment work
- Update system to current staging from Leap 42.1 or old staging
- Only test the stuff were in the staging DVD

Test result on openQA



Details Logs & Assets Settings Comments (0) Previous results (10)			
Test	Result	References	
installation			
isozip	passed		
bootloader	passed	     	
welcome	passed	 	
good_buttons	passed		
installation_mode	passed		
partitioning	passed		
partitioning_finish	passed		
installer_timezone	passed		
logpackages	passed	       	
installer_desktopselection	passed	   	
user_settings	passed	  	
installation_overview	passed	 	
start_install	passed	       	
install_and_reboot	passed	                           	
grub_test	passed		
first_boot	passed	  	

Staging Dashboard



Acceptable

- No build failures
- All reviews were accepted
- Passed openQA testing

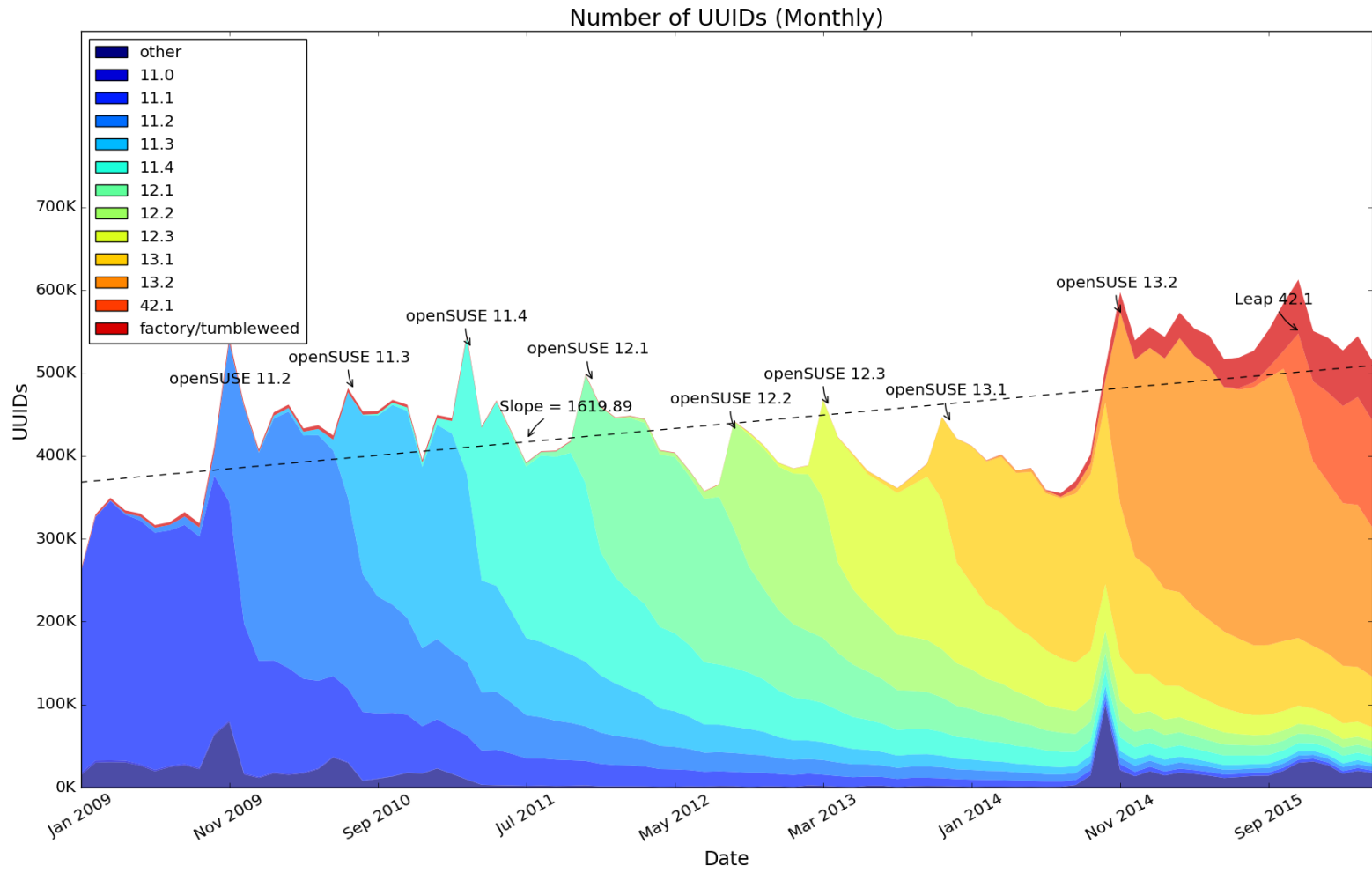
Project	Requests	Problems
	<div>fonts-config</div> <div>gstreamer-plugins-bad</div> <div>intel-gpu-tools</div> <div>libXfont</div> <div>patterns-openSUSE</div> <div>python3-Twisted</div> <div>python3-pyOpenSSL</div> <div>xf86-video-nouveau</div> <div>xproto</div>	

After an check-in

- Rebuilding the changes in openSUSE:Factory
- Update package-lists if needed
- Generate an new snapshot DVD
- The online repository is in a consistent state
- More openQA testing!

^ When everything is done – publish the new Tumbleweed and sync the repository to the download mirrors.

Numbers



Working together

- opensuse-factory@opensuse.org mailing list
- opensuse-packaging@opensuse.org mailing list
- #opensuse-factory IRC channel
- Dominique Leuenberger
- Ludwig Nussel
- Max Lin



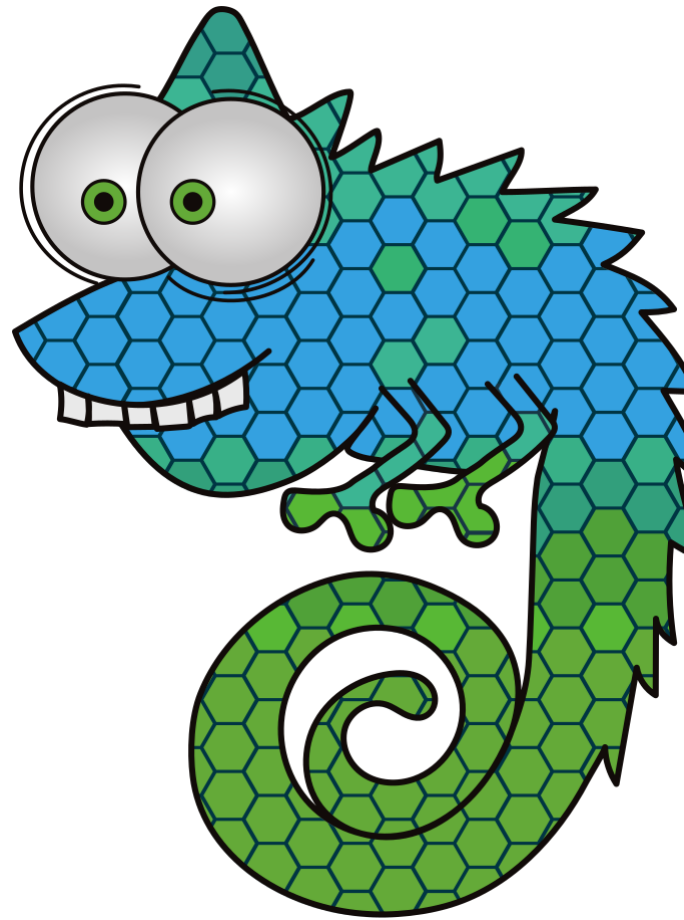
Questions?

Join the conversation,
contribute & have a lot of fun!

www.opensuse.org

Thank you.





Have a Lot of Fun, and Join Us At:

www.opensuse.org

