

A photograph of a factory production line for Sriracha sauce bottles. The bottles are orange with green caps and are moving along a metal conveyor belt. The background shows a factory setting with workers and machinery.

SALSA CI

Debian Pipeline for Developers

How long does it take to realize you've uploaded
A BROKEN PACKAGE?

Minutes?

Minutes?

Hours?

Minutes?

Hours?

Maybe a day!

A puffin with black and white feathers and a large orange beak is standing on green grass. The image is dimmed, and yellow text is overlaid on the left side. The puffin is facing left, looking down at its feet.

WARNING

UNPOPULAR OPINION

A penguin with black and white feathers and a red beak is standing on green grass. It is looking down at its feet. The background is a soft, out-of-focus landscape.

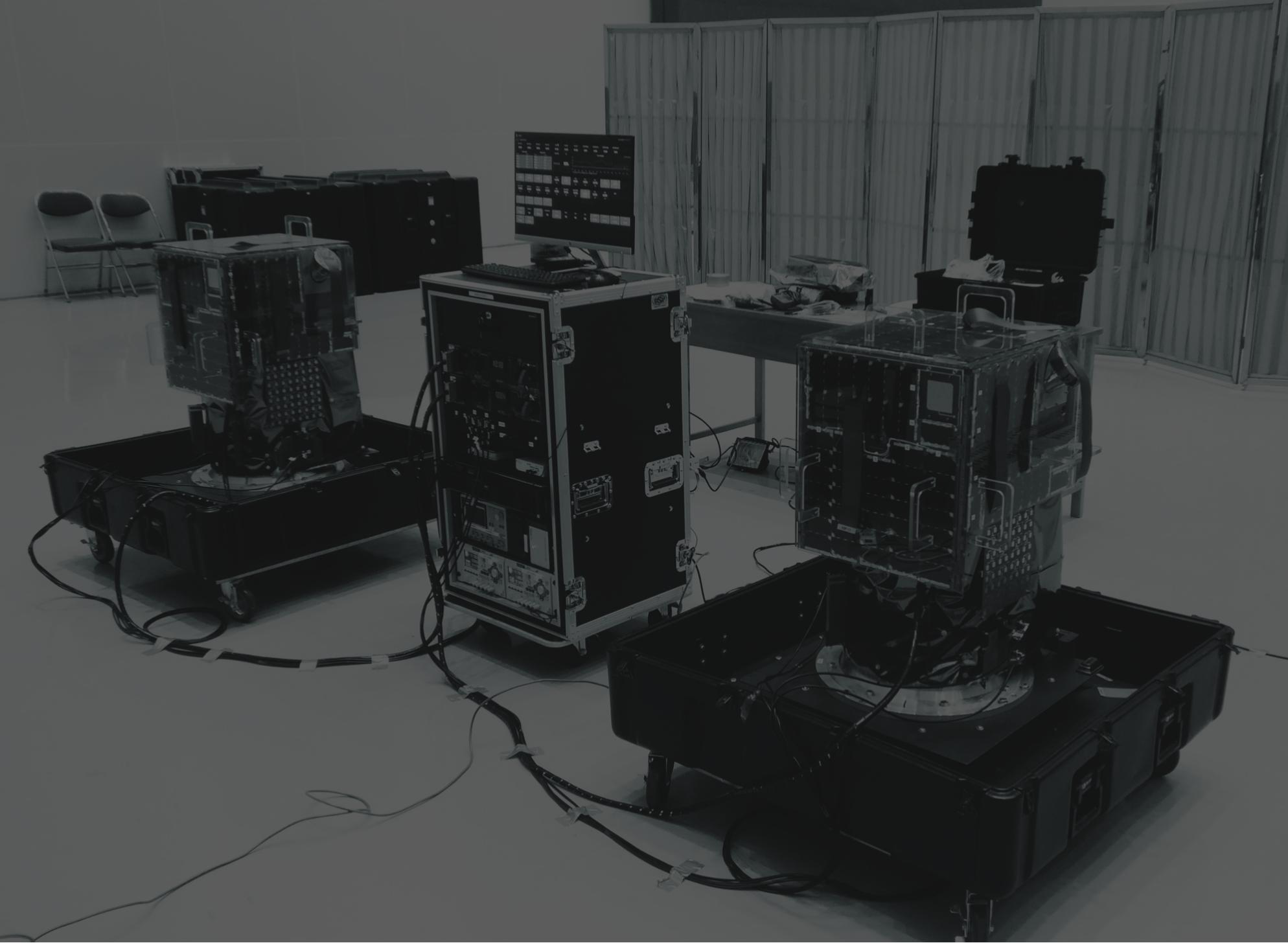
WARNING

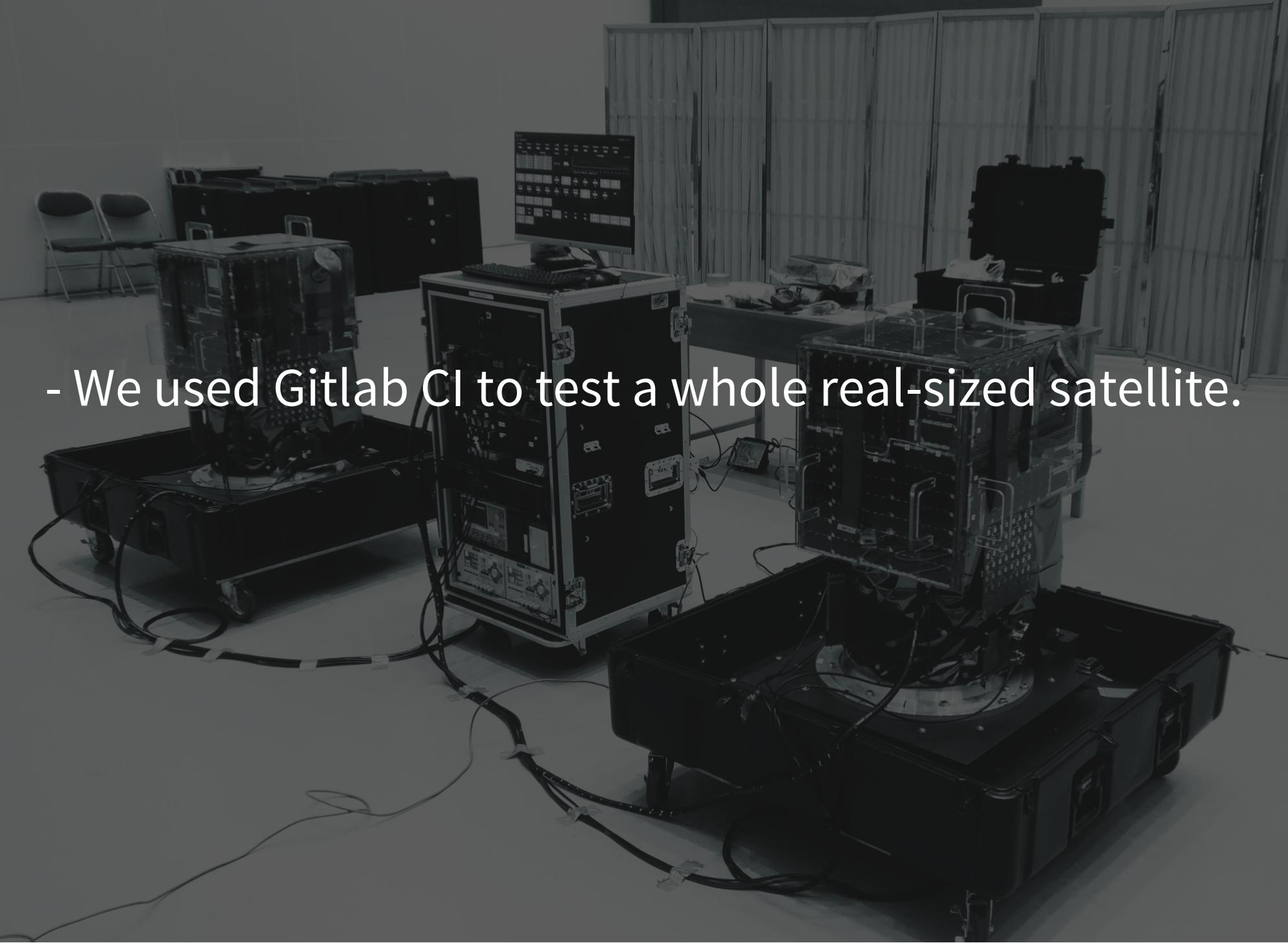
UNPOPULAR OPINION

Debian Infrastructure is great,
but first you need to release and upload the package.

It would be better if we could take the most out of our
time for Debian

Continuous Integration is the practice of building and testing each change automatically, as early as possible.





- We used Gitlab CI to test a whole real-sized satellite.

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 - When Salsa was deployed we realized we could use our experience to help Debian.

Continuous Integration adds a lot of value when building a project like Debian.

Trusting on your CI pipeline makes it easier to review contributions

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Helps avoiding repetitive tasks

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Helps avoiding repetitive tasks

It's easier to attract new contributions

WHAT IS THE SALSA CI TEAM?

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We developed and maintain a recipe for building and testing Debian packages.

GOALS

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Detect problems before packages get to the archive.

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Detect problems before packages get to the archive.

Build and test on reproducible environments shared
by the people involved.

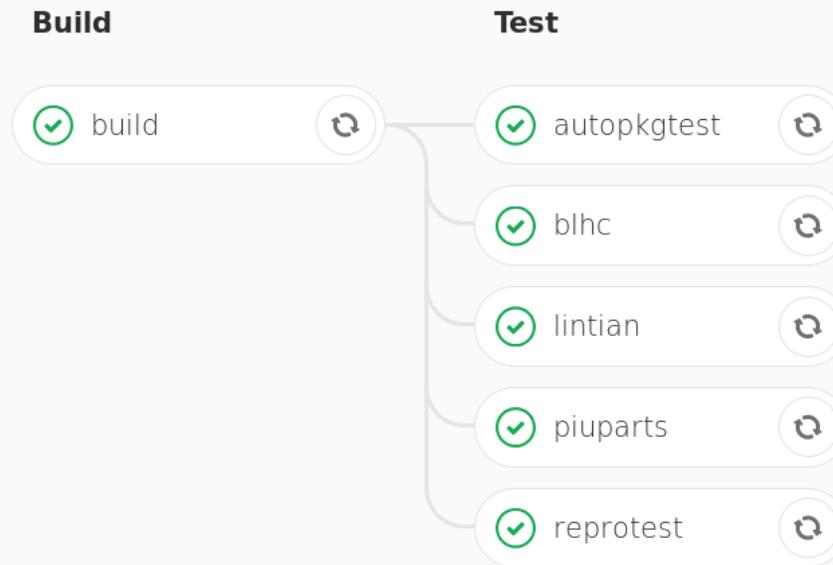
GOALS

Detect problems before packages get to the archive.

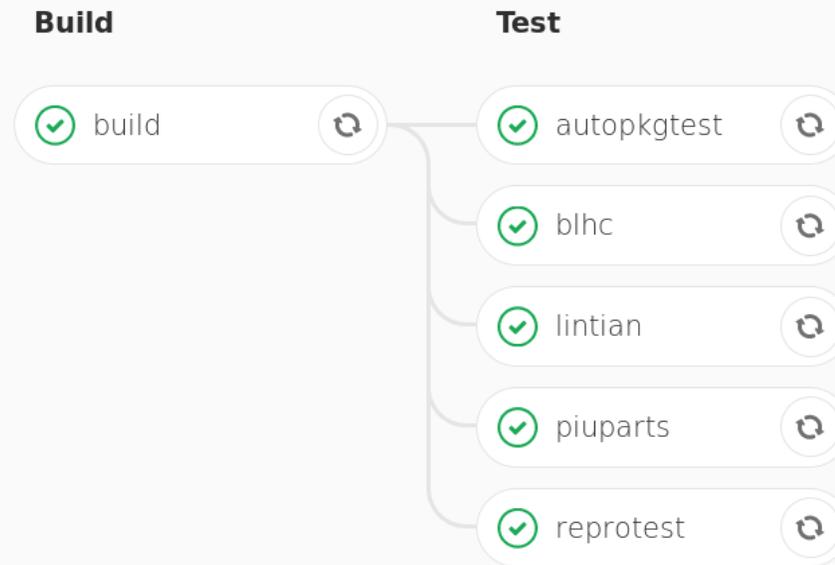
Build and test on reproducible environments shared by the people involved.

Reduce the learning curve for newcomers.

SALSA CI PIPELINE



SALSA CI PIPELINE



(The whole pipeline takes no more than 8 minutes for a regular python package)

Every job is run on a clean and reproducible environment, which has the minimum required dependencies.

HOW DO I MAKE MY PACKAGE CI?

debian/salsa-ci.yml

```
include:  
- https://salsa.debian.org/salsa-ci-team/pipeline/raw/master/salsa-ci.yml  
- https://salsa.debian.org/salsa-ci-team/pipeline/raw/master/pipeline-jobs.yml
```

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```

ta dá!

*a small configuration change is also needed, please check the README :)

FUTURE PLANS

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Build and test multiarch.

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Testing upstream changes in Debian.

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Testing upstream changes in Debian.

Propose new releases automatically.

WANNA HELP?

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Let your packages join the dark side! We already have more than 330 packages :)

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We need to improve the documentation.

Right now the README is not quite friendly.

We would like everyone involved :)

CONTRIBUTORS SO FAR

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Demo

¡GRACIAS!
DANKESCHÖN!
THANKS!

Time for the questions :)

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