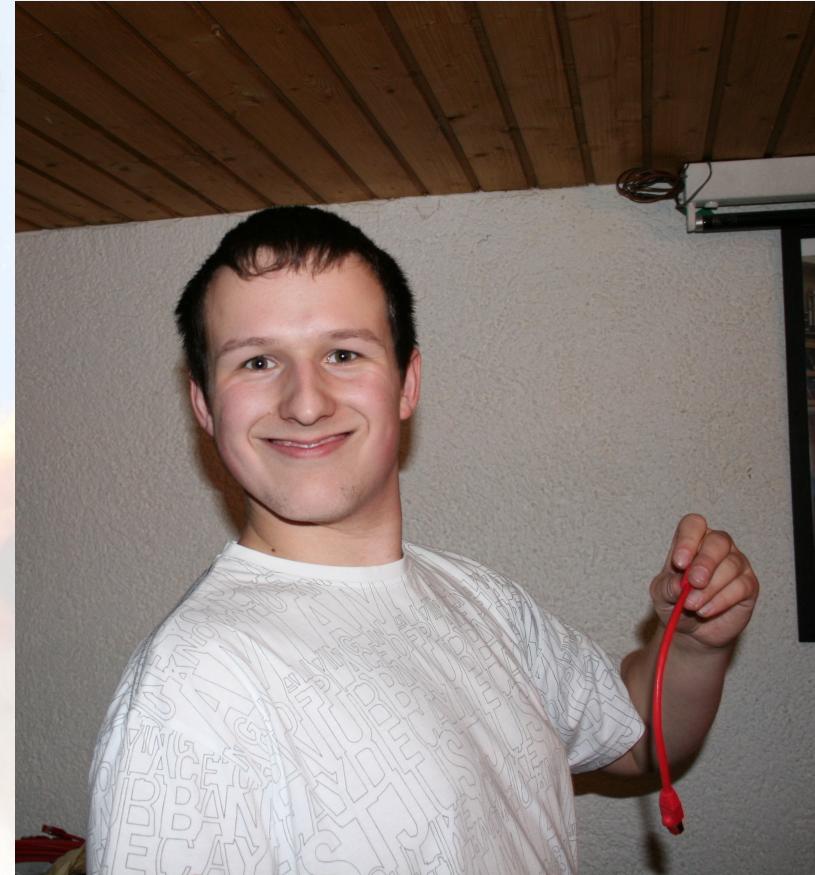


Why Open Source brings more value to business?

Or why you should publish your Puppet modules

\$ whoami

- Tim 'bastelfreak' Meusel
- Puppet Contributor since 2012
- Merging stuff on [Vox Pupuli](#) (Puppet Community) since 2015
- Vox Pupuli Project Management Committee member
- Senior IT Automation Consultant at [example42](#)

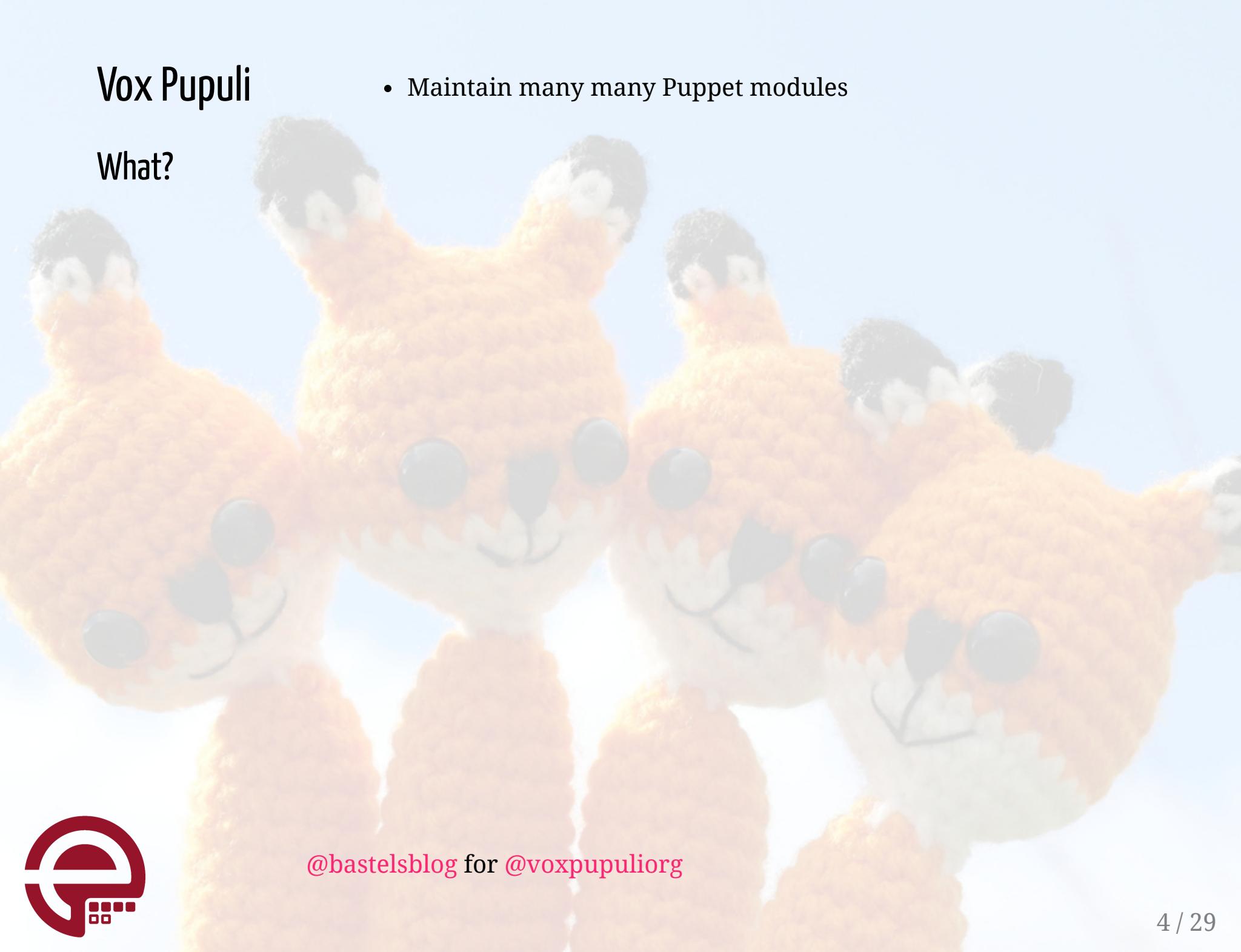


What's this Vox Pupuli thingy?

Vox Pupuli

What?

- Maintain many many Puppet modules



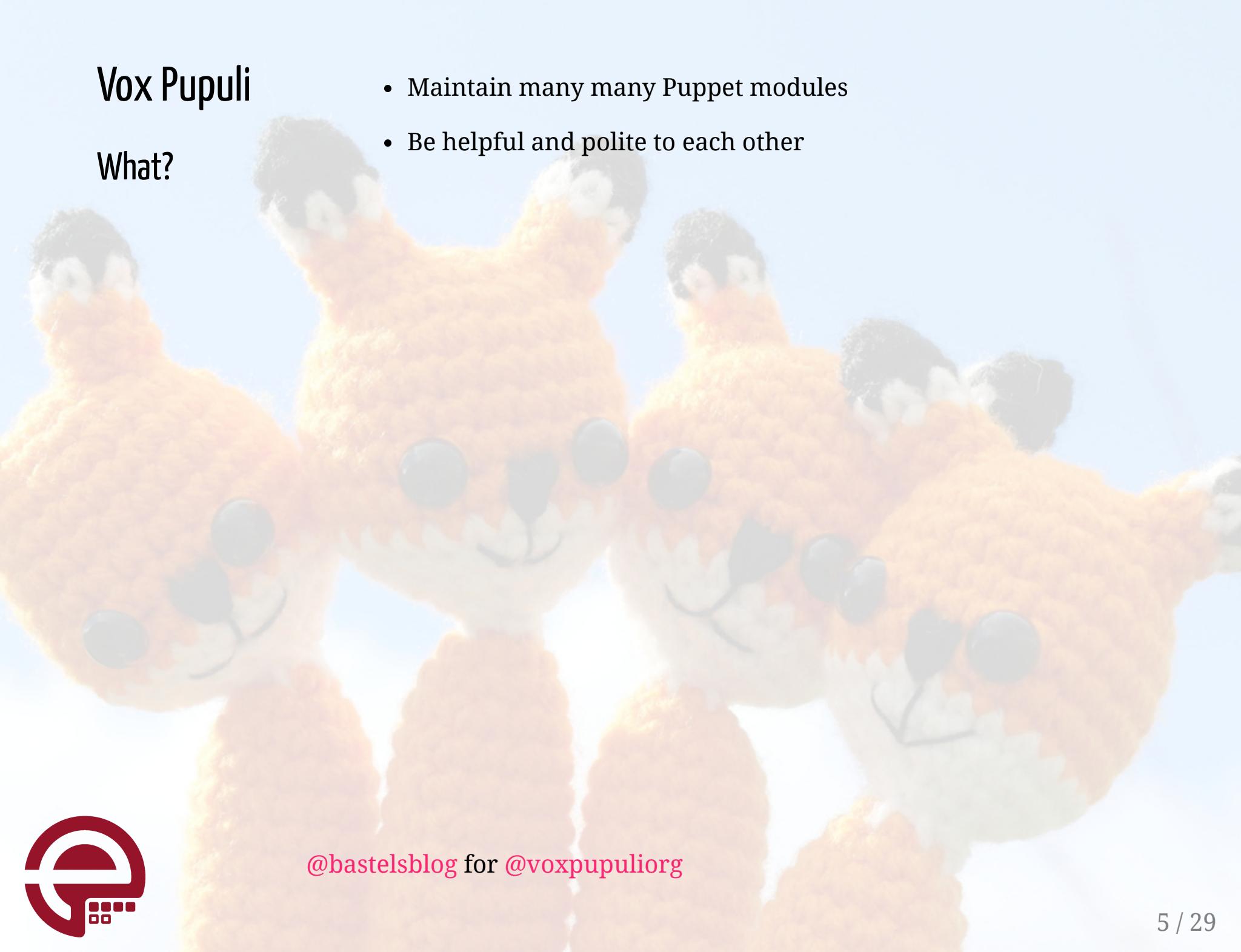
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Vox Pupuli

What?

- Maintain many many Puppet modules
- Be helpful and polite to each other



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Vox Pupuli

What?

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- Be open-minded to people and technology



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- Unite lonely module and tooling authors to a collective

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Vox Pupuli

What?

- Maintain many many Puppet modules
- Be helpful and polite to each other
- Be open-minded to people and technology
- Provide a home for orphaned Puppet modules
- Unite lonely module and tooling authors to a collective
- Ensure continued development for our code

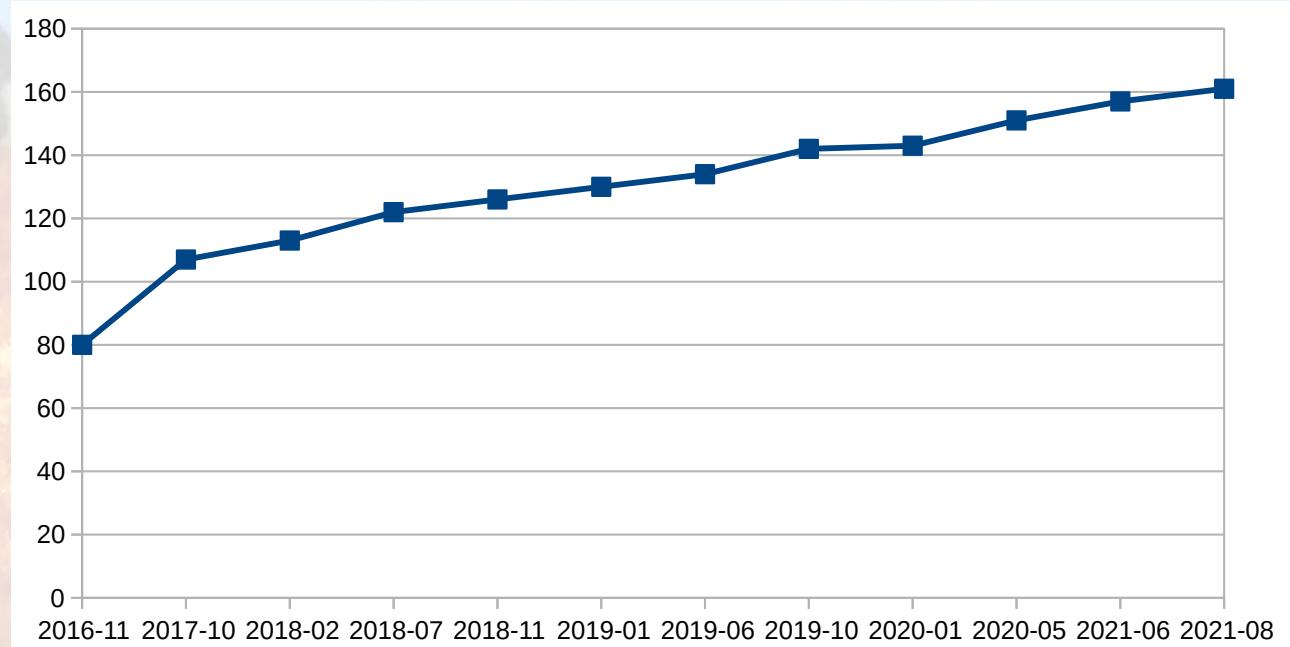
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Vox Pupuli

Who?

- Amount of Vox Pupuli members with merge permissions



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How to design a good Puppet module?

Module Design

Status Quo

- You write your own component Puppet modules
- You also want to reuse Open Source component modules from others



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Module Design

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- You write your own component Puppet modules
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- Many of your servers are very similar, but not identical



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Module Design

Status Quo

- You write your own component Puppet modules
- You also want to reuse Open Source component modules from others
- Many of your servers are very similar, but not identical
- Design requirement 1: Use internal and external component modules in parallel
- Design requirement 2: Assign those component modules to groups of servers

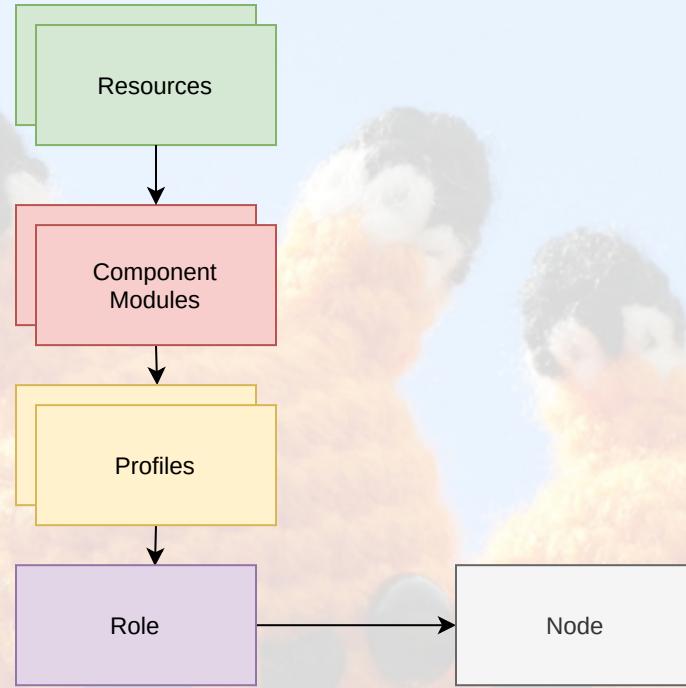


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Module Design

Status Quo

Roles & Profiles



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Module Design

Status Quo

Roles & Profiles

Data vs Code

- People that write Puppet Code might not provide the data



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Module Design

Status Quo

Roles & Profiles

Data vs Code

- People that write Puppet Code might not provide the data
- System administrators team A write Puppet code
- System administrators from team B provide ip addresses
- Product owner provide version numbers



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Module Design

Status Quo

Roles & Profiles

Data vs Code

- People that write Puppet Code might not provide the data
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- Secrets should come from a secret store like Hashicorp Vault



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Module Design

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- People that write Puppet Code might not provide the data
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- Design requirement 3: Separate data and code



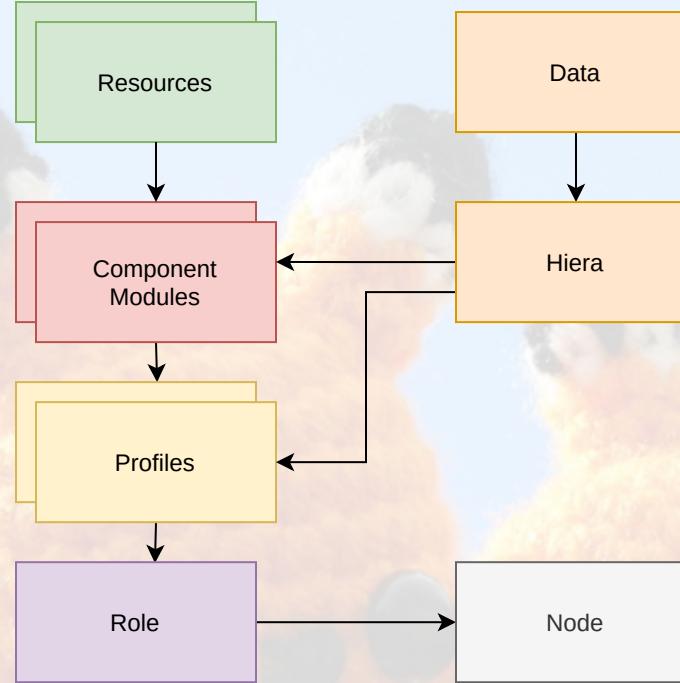
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Module Design

Status Quo

Roles & Profiles

Data vs Code



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Module Design

Status Quo

Roles & Profiles

Data vs Code

- It's hard for enforce code design/architecture with CI jobs
- You might leak private information if you publish an existing internal module

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Why Open Sourcing?

- Publish a module from the beginning
- This enforces a proper structure in your code

Technical aspects



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Why Open Sourcing?

Technical aspects

- Publish a module from the beginning
- This enforces a proper structure in your code
- This ensures secrets are never added to it
- Many companies still don't have internal CI
 - There are free CI services for open source software!



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Why Open Sourcing?

Technical aspects

Vox Pupuli

Vox Pupuli sales pitch:

- Vox Pupuli has proper tooling to handle many modules
- Vox Pupuli maintains community guidelines and best practices
- Working in a collective enforces proper documentation and git commits

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Why Open Sourcing?

Technical aspects

Company advantages

- Companies that do open source work are recognized in the community
 - Attract new hires through open source work
- Benefit from the knowledge and contributions within the community
- Benefit from the tooling within the community

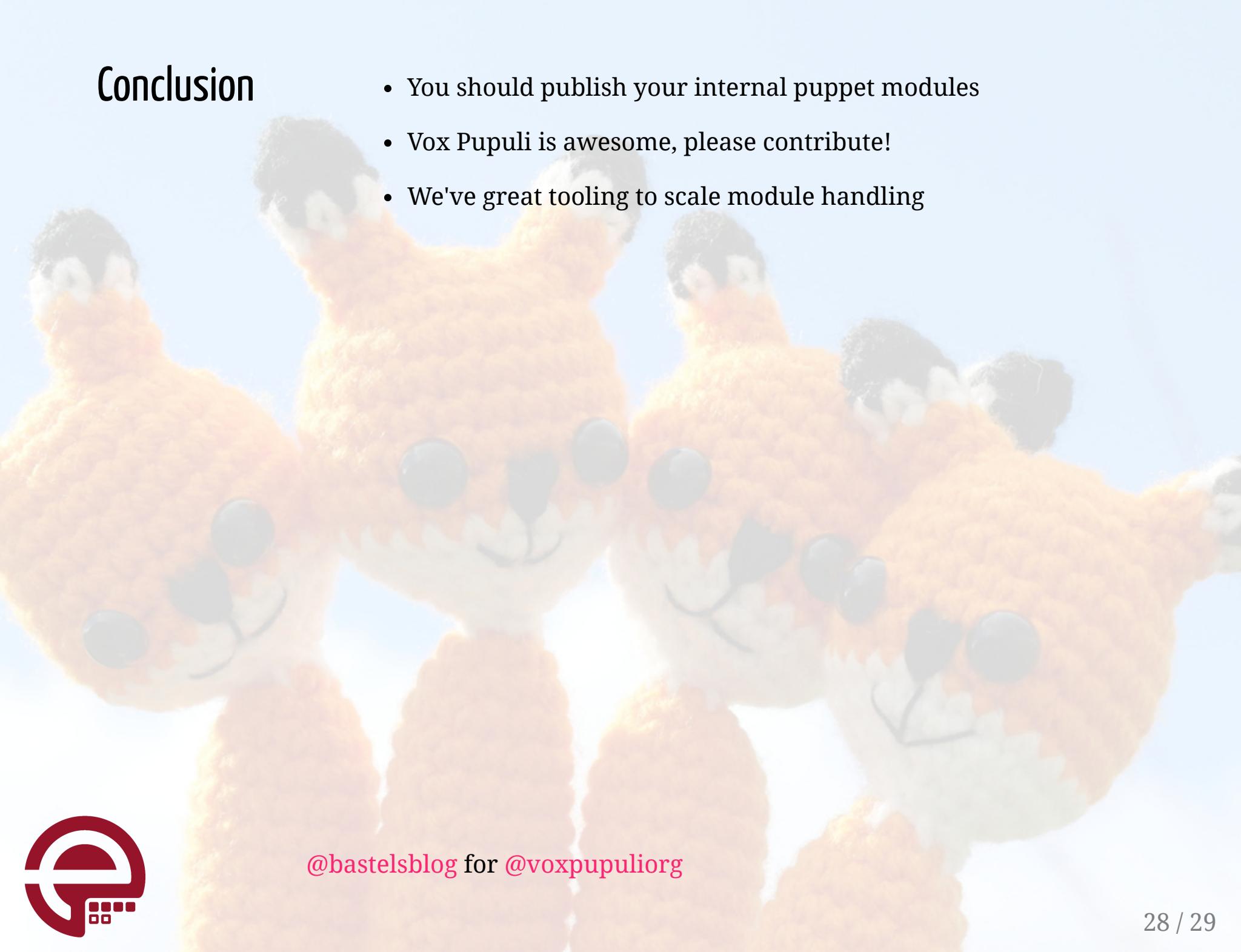
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Conclusion

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- You should publish your internal puppet modules
- Vox Pupuli is awesome, please contribute!
- We've great tooling to scale module handling



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Conclusion

- You should publish your internal puppet modules
- Vox Pupuli is awesome, please contribute!
- We've great tooling to scale module handling
- For feedback: `bastelfreak` on slack or tim@bastelfreak.de

Thanks for your attention!

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