

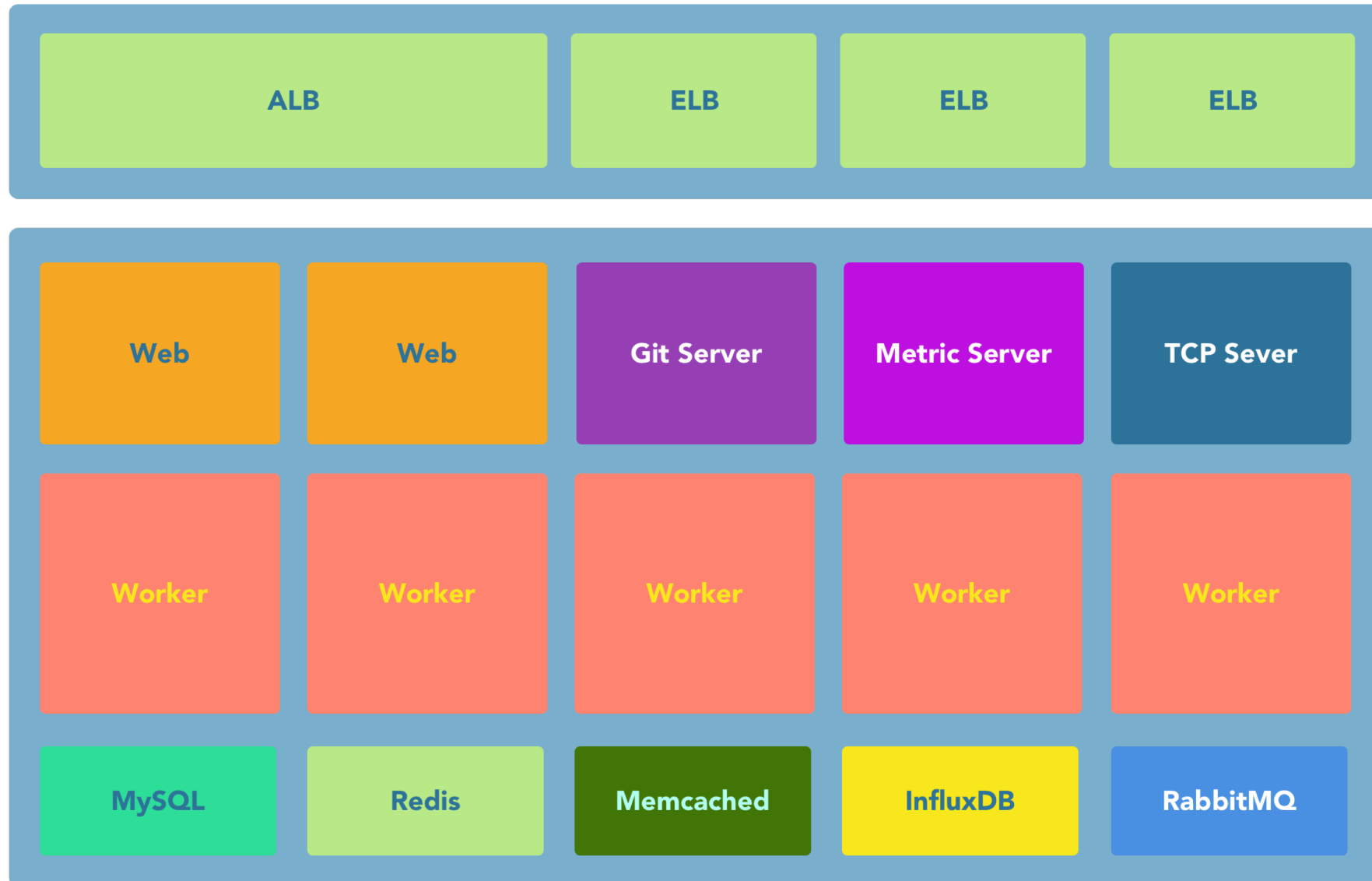


Moving to Kubernetes

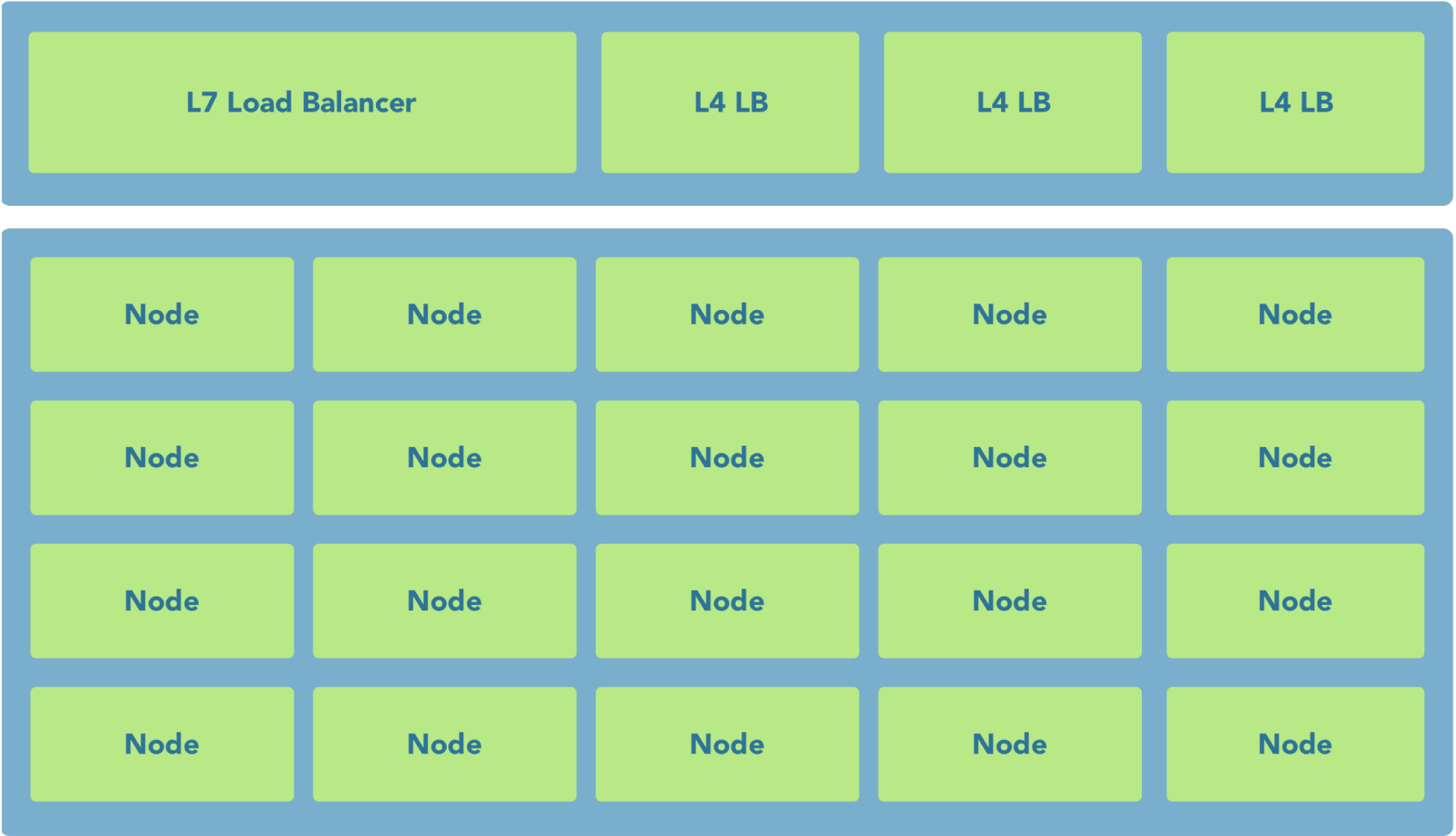
Solving Configuration, Security and Collaboration Challenges in the
Container Pipeline: What We've Learned



Our Old Stack



Our Ideal Stack



Databases



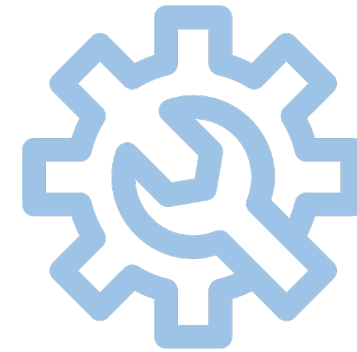
- High Availability
- Deployment risk
- Node replacement downtime

Secrets



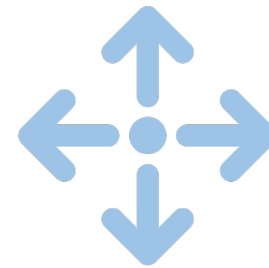
- Replacing Env Vars
- Git access right issues
- Write-only access

Configuration

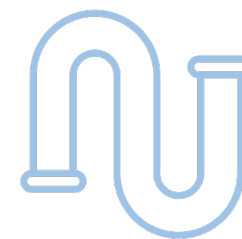


- App vs Kube config
- Deployment vs App

Environments



CI/CD Pipeline

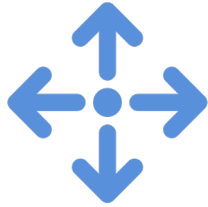


- Test / CI vs deployment
- Blue / Green – Canary
- Rollbacks
- Image scans / audits

Container Delivery Pipeline



Formations



Environment

- Independent of deployment
- Limited
- Usually have undocumented meaning



Formation

- Deployment target
- Unlimited
- Can support multiple environments



Templates

- Version control is optional and manual
- Use of control-flow in structured data
- Domain independent



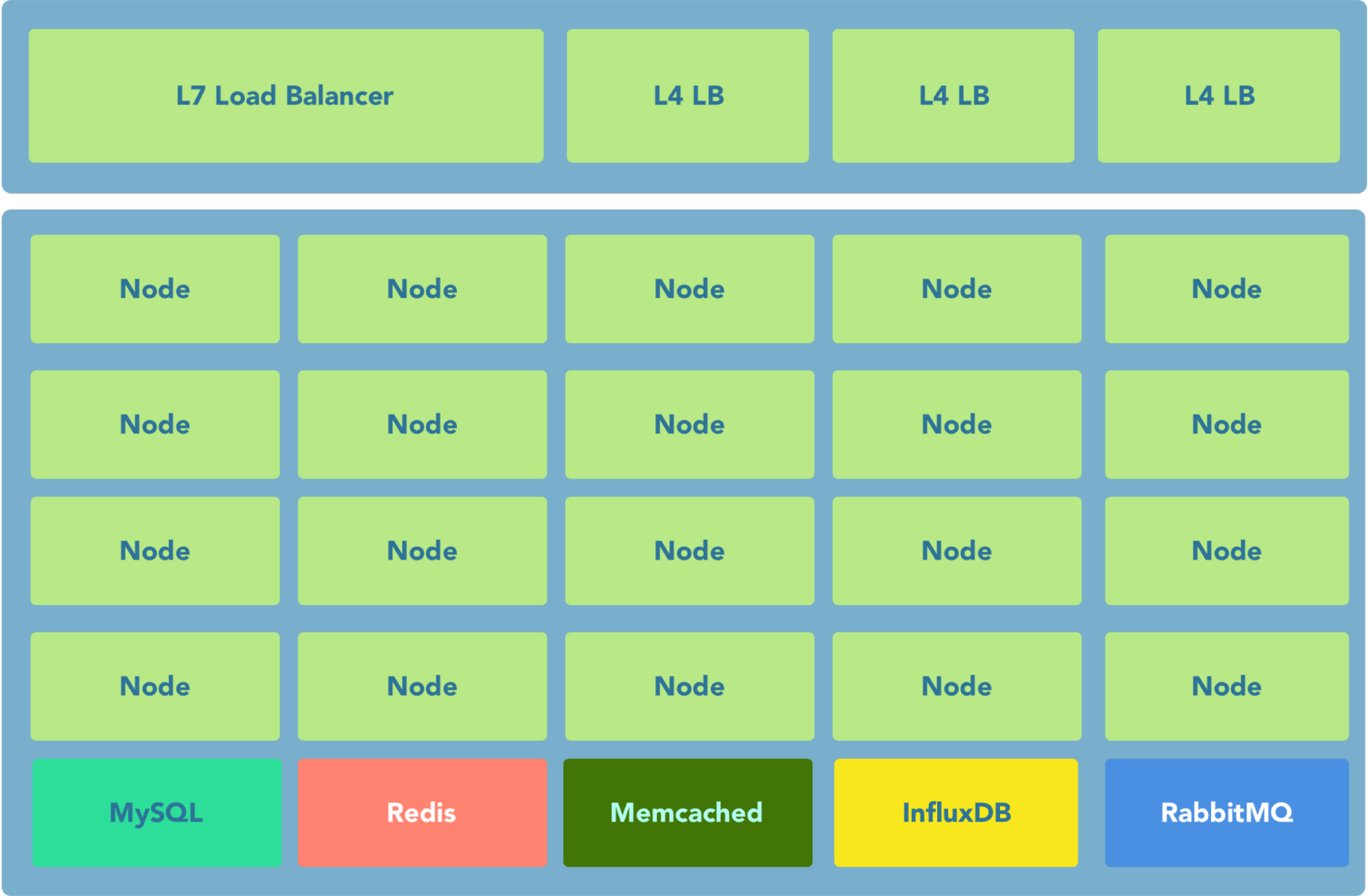
Stencils

- Built in version control
- Support for base templates
- Domain specific
- Simple markup



- Access to vanilla upstream API
- Ensure vs Warn
- Extra-asset policies (filenames, folders,...)

Our Current Stack



Questions?





Thank you!

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