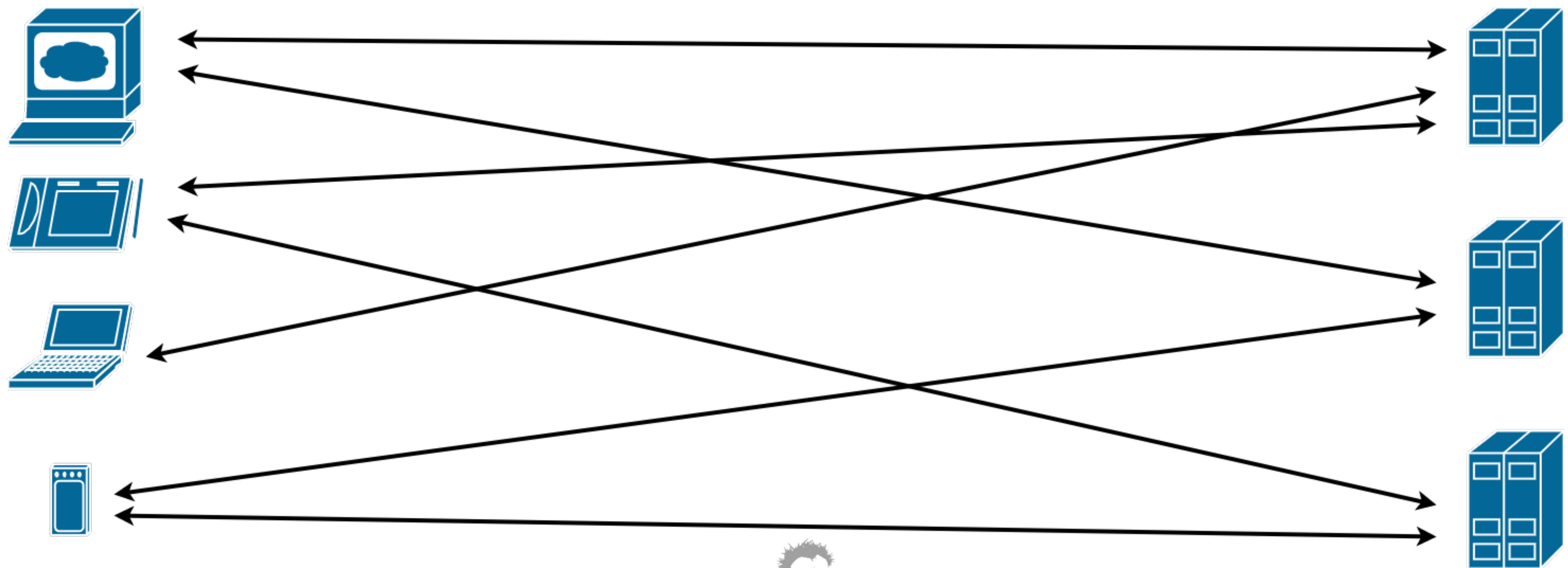


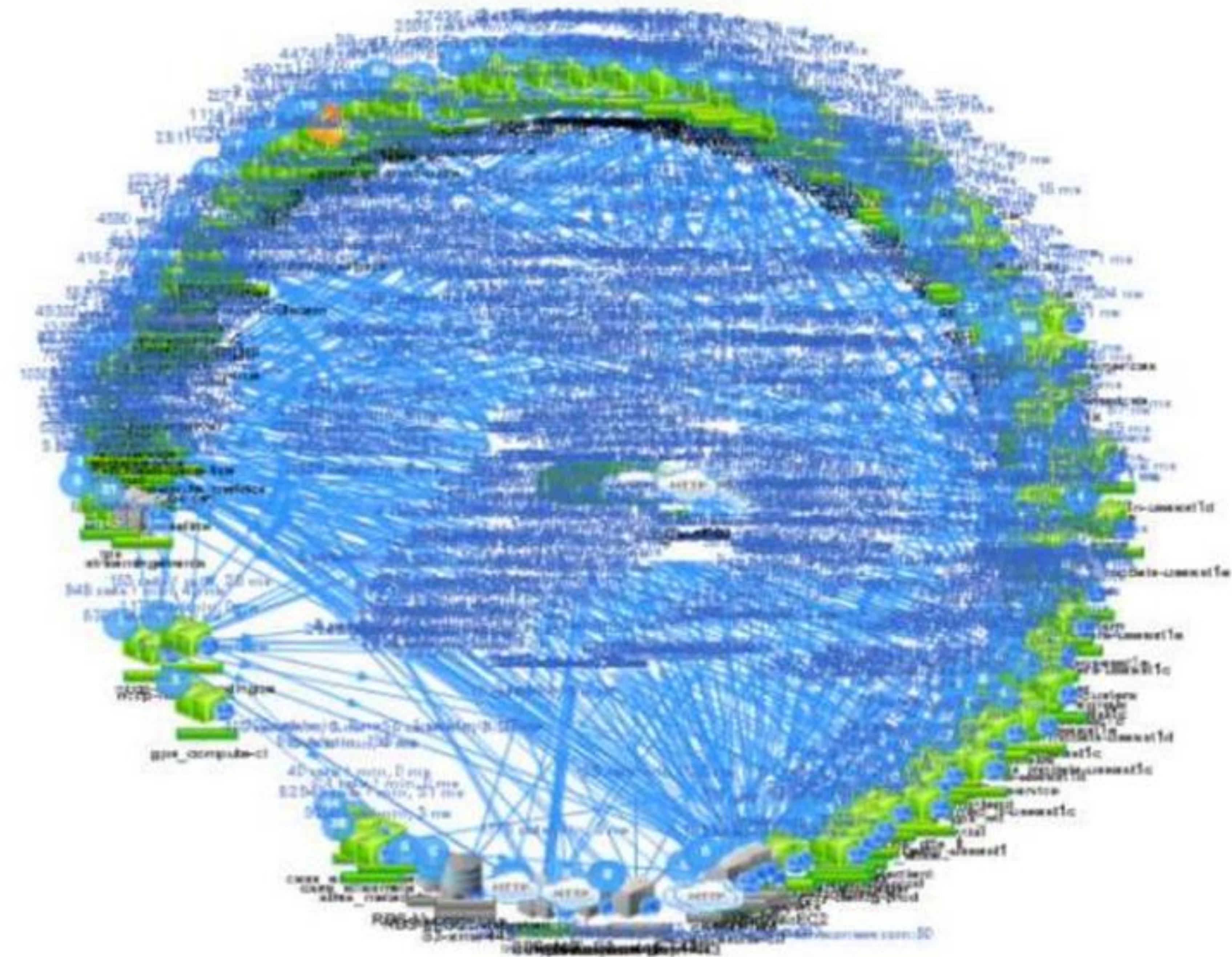


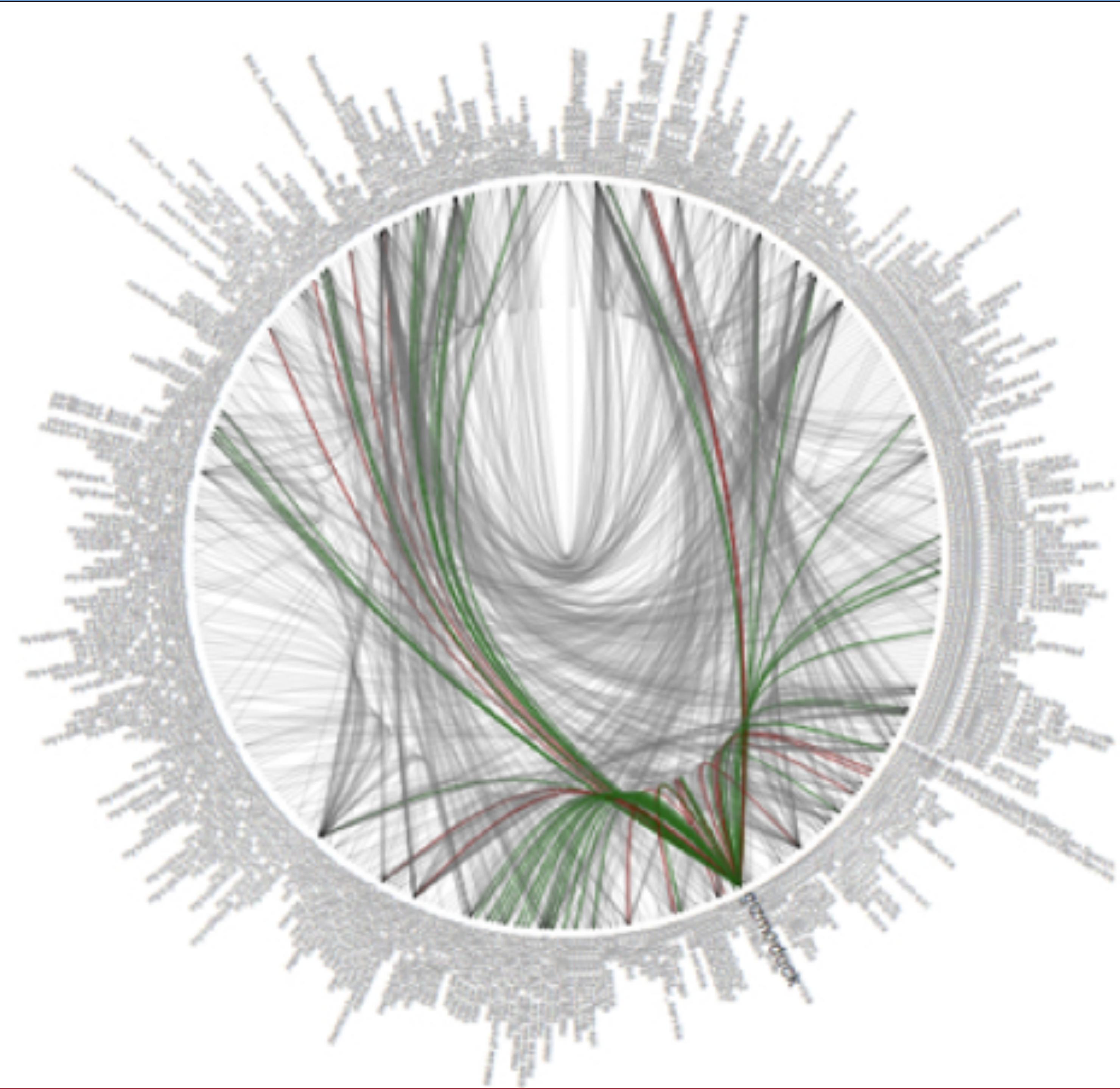
Spring Boot Microservices

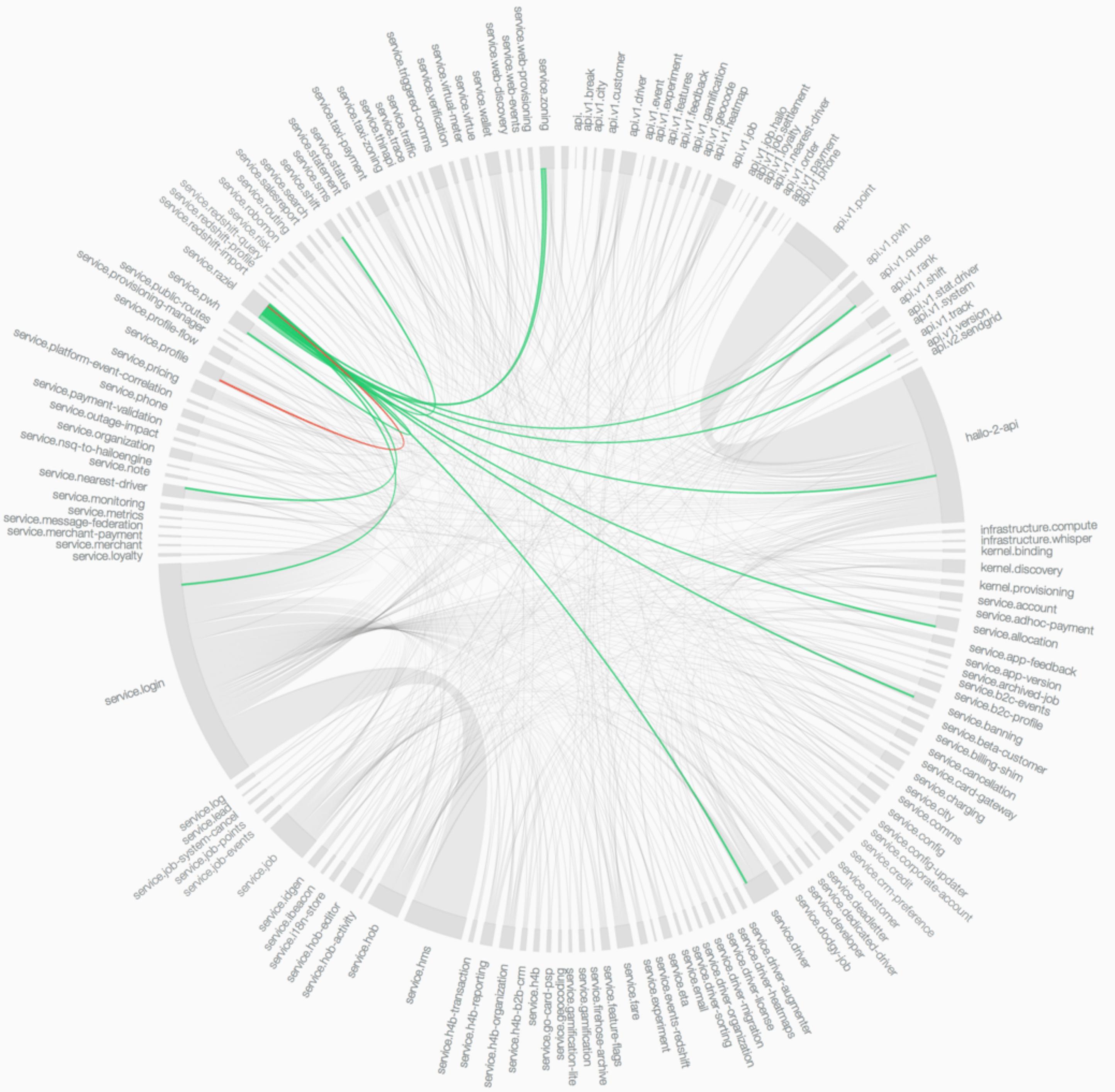
Beginner to Guru

The API Gateway Pattern



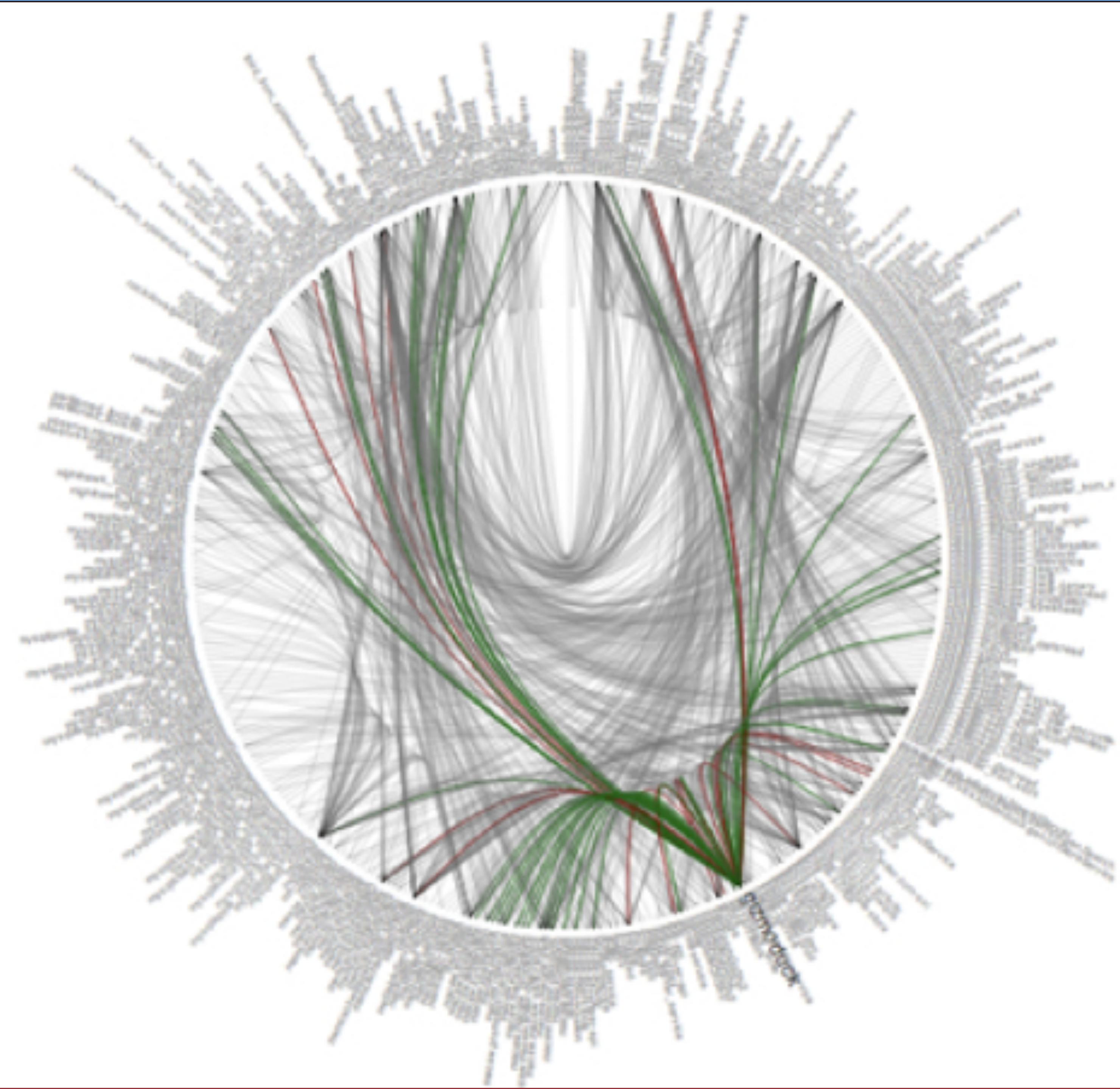


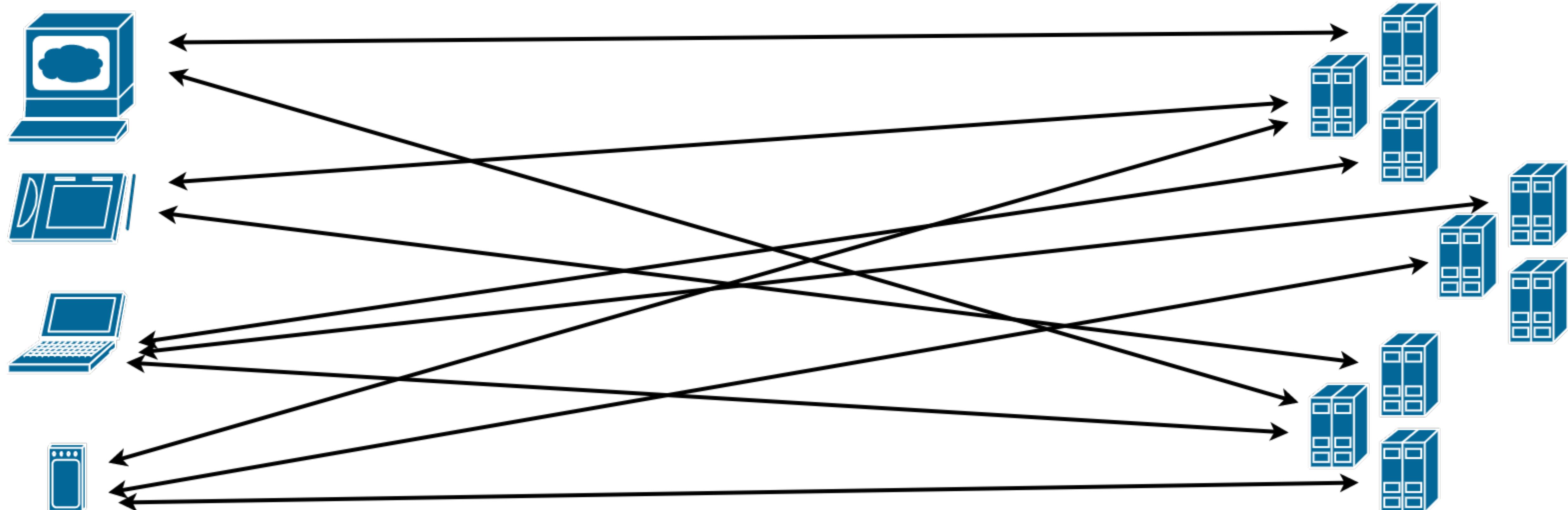






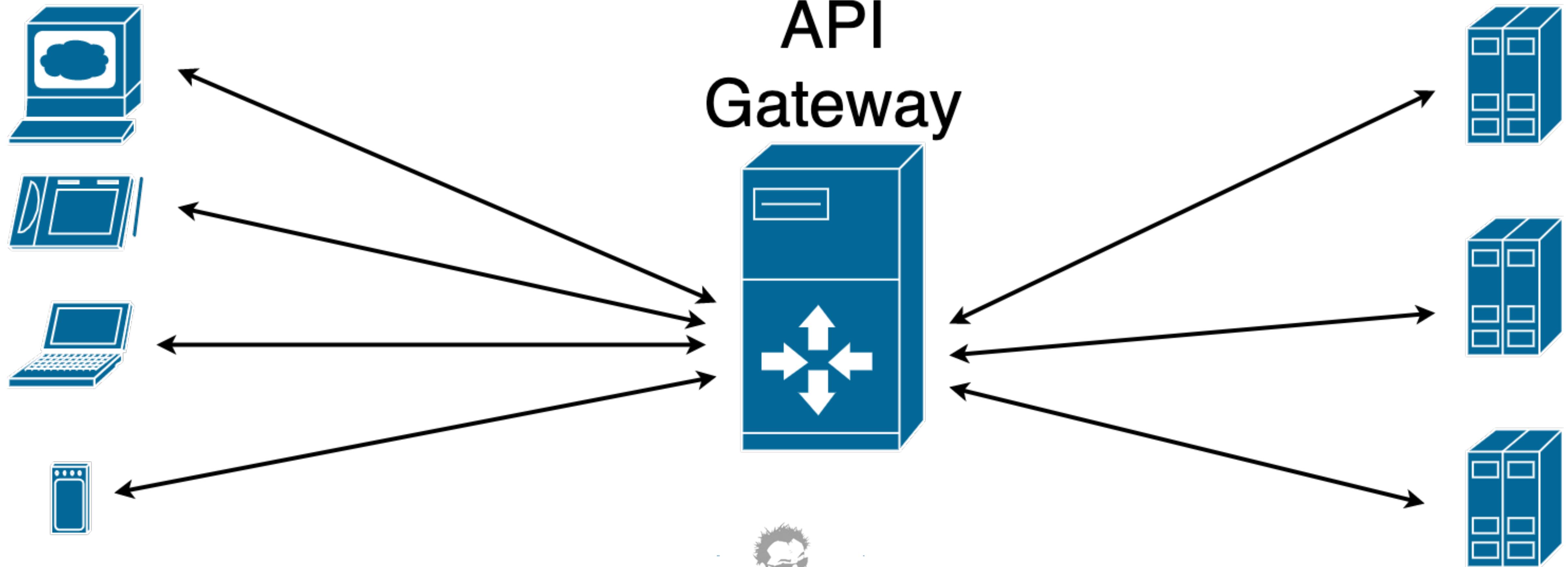






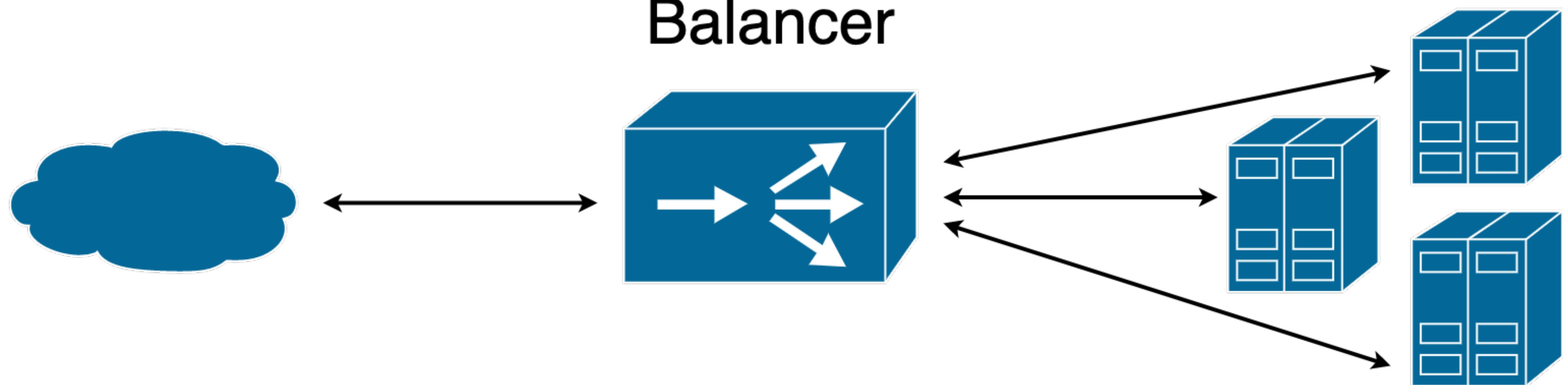


API Gateway



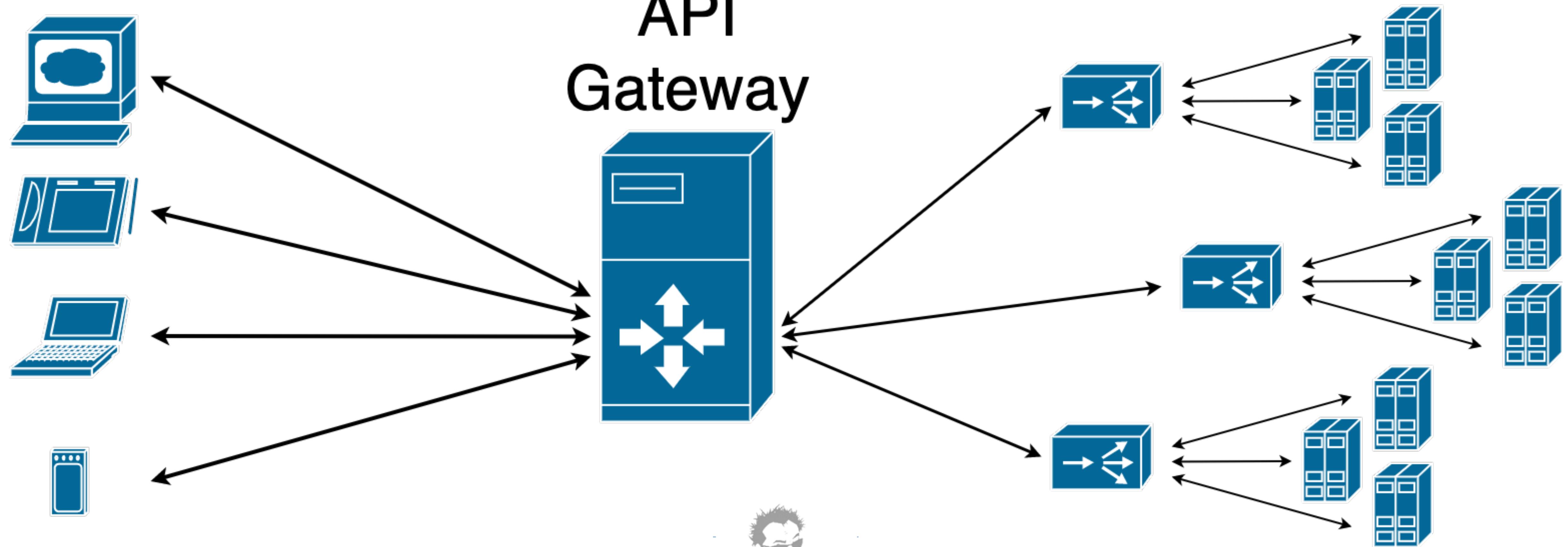


Load Balancer



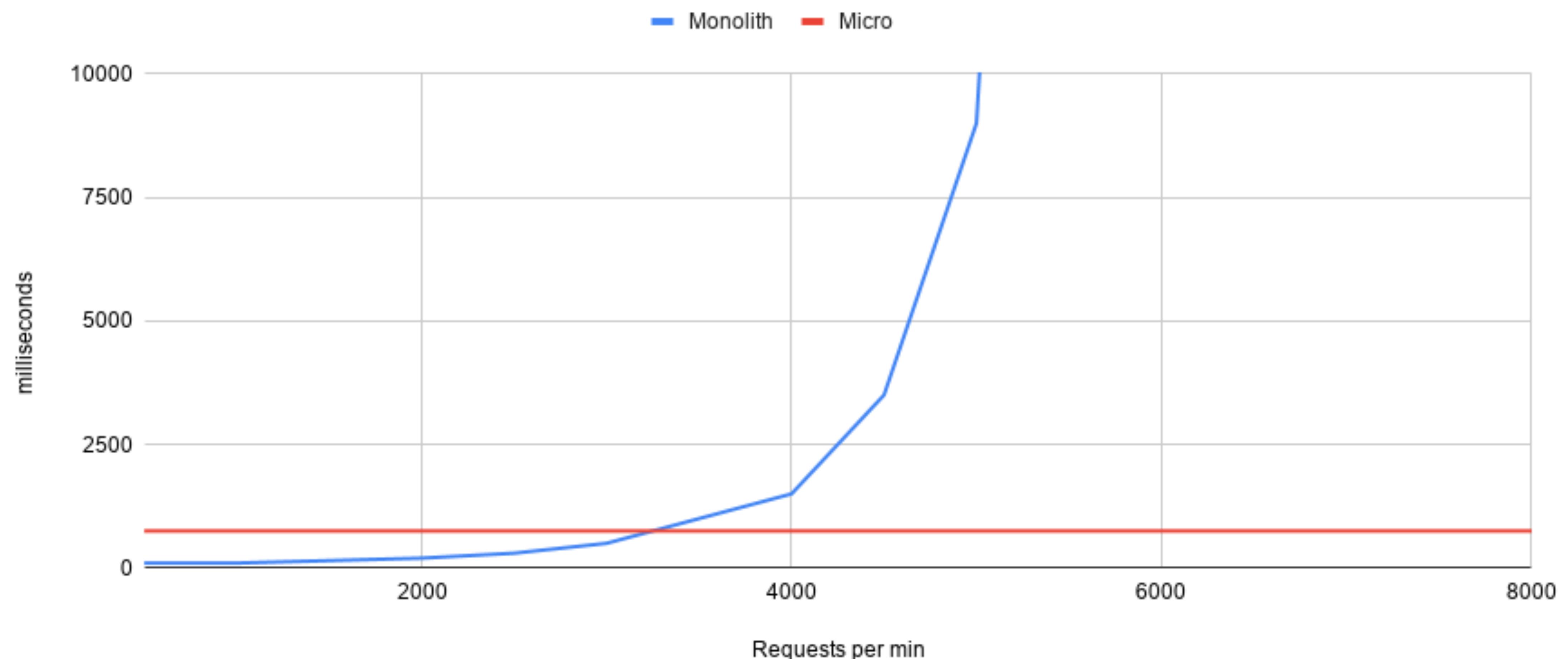


API Gateway





Monolith vs Microservices - Request vs Response Time





Gateway Responsibilities

- Routing / Dynamic Routing
- Security
- Rate Limiting
- Monitoring / Logging
- Blue / Green Deployments
- Caching
- Monolith Strangling



Types of Gateways

- **Appliances / Hardware** - example: F5
- **SAAS** (Software As A Service) - AWS Elastic Load Balancer
- **Web Servers** - Configured as proxies
- **Developer Oriented** - Examples: Zuul (Netflix) or Spring Cloud Gateway
- **Others** - Not an exhaustive list, technology is evolving & overlapping
- Types can be combined



API Gateway

