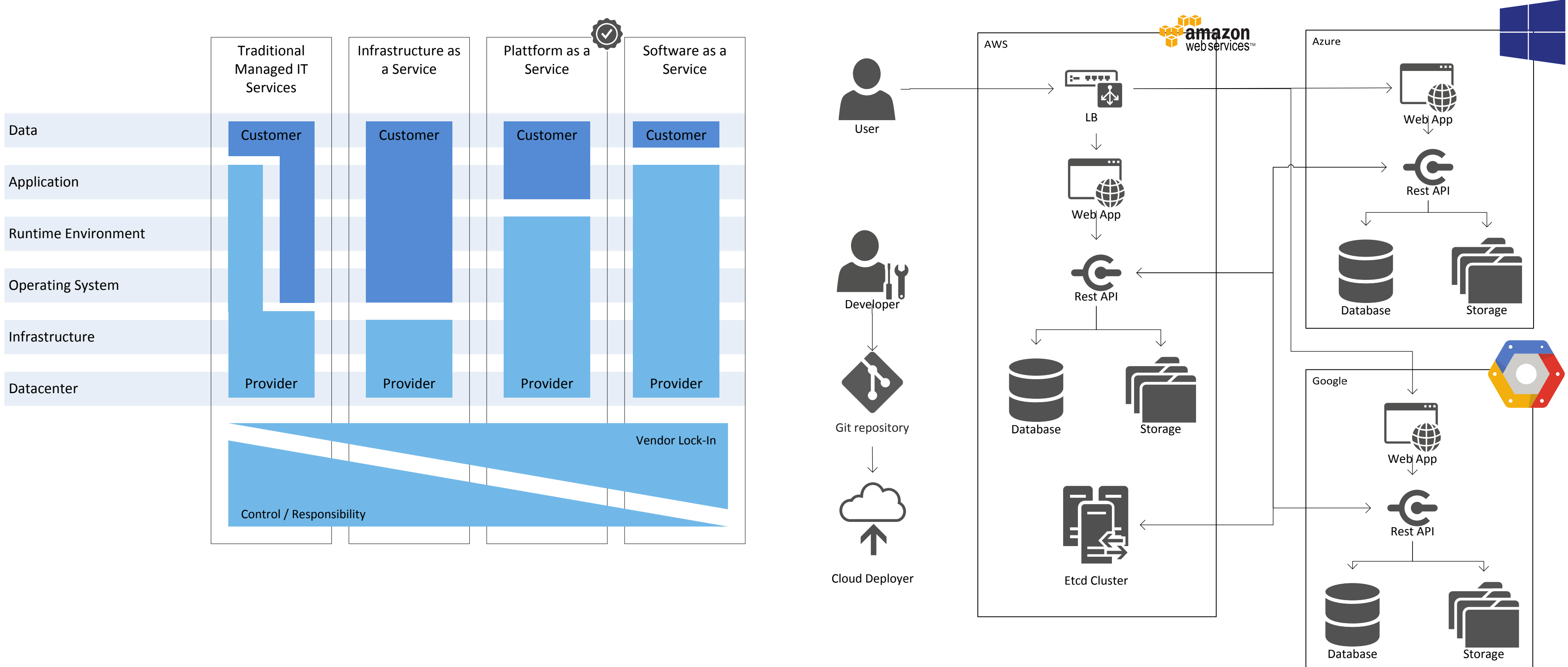


Architecture:



Cloud Comparison:

	Google Cloud Platform	Windows Azure	amazon web services™
Costs	very low	very high	medium
User Interface	acceptable	user friendly & intuitive	cluttered
Databases	MySQL	external hoster required	all major systems supported
Storage	complex, but flexible	easy-to-use & flexible	easy-to-use & flexible

Components:



- etcd is a distributed, consistent key-value store for shared configuration and service discovery:
- Simple: curl'able user facing API (HTTP+JSON)
 - Secure: optional SSL client cert authentication
 - Fast: benchmarked 1000s of writes/s per instance
 - Reliable: properly distributed using Raft



- HTTP proxy used for very efficient load balancing to distribute traffic to several application servers:
- multiple load balancing mechanisms round-robin, least-connected, ip-hash
 - session persistence
 - weighted load balancing



- Python based microframework:
- built in development server and debugger
 - integrated unit testing support
 - RESTful request dispatching
 - uses Jinja2 templating
 - support for secure cookies (client side sessions)
 - 100% WSGI 1.0 compliant
 - Unicode based
 - extensively documented



GIT Workflow:

