
Architecture Governance in an Agile World

Robert Anderson

What is agile?



Traditional governance versus agile needs

Traditional governance



Agile needs

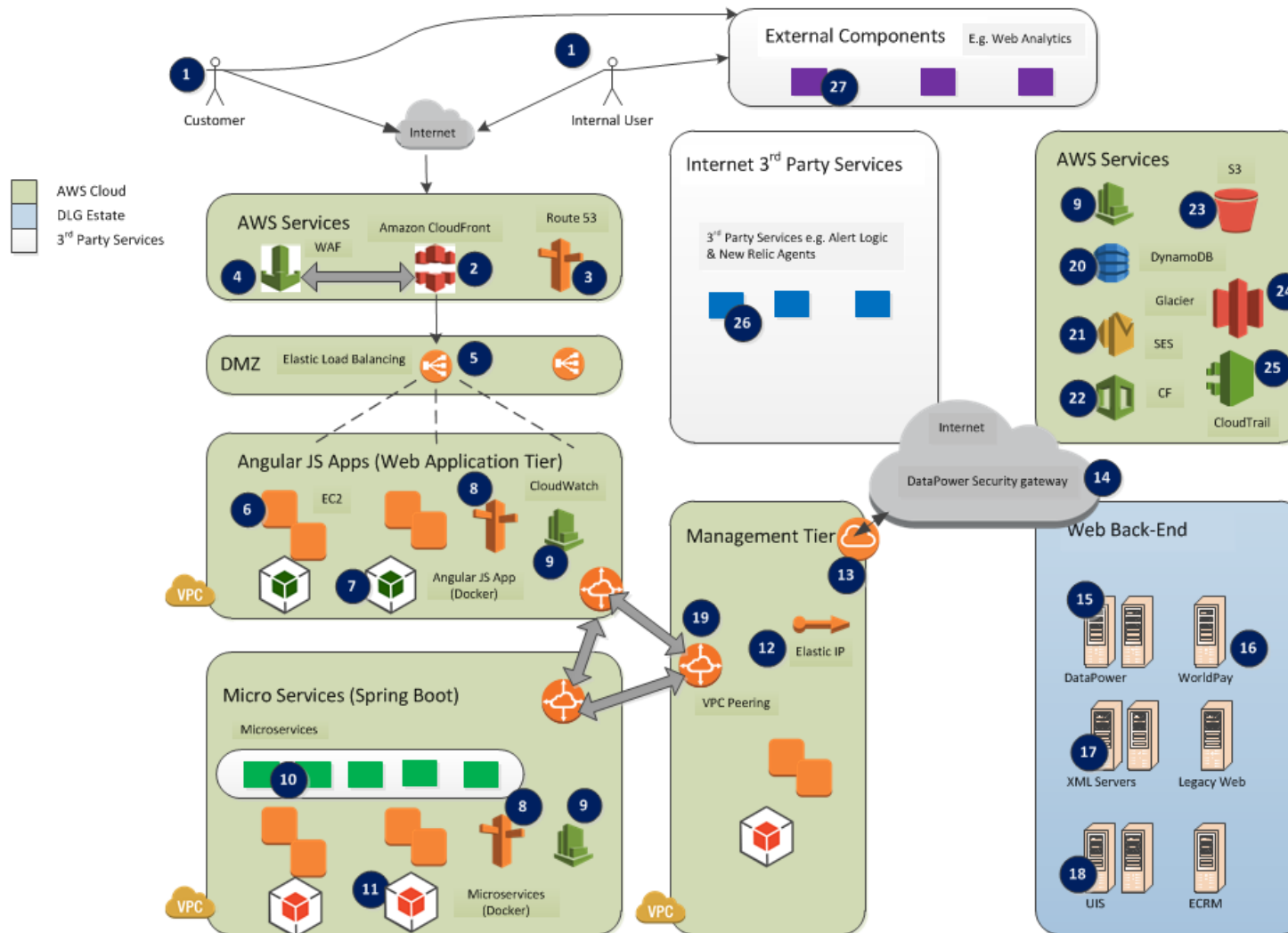


DLG's Digital team



Digital reference architecture

Digital Reference Architecture Patterns



Reference architecture detail

No	Component Name	Technology	Service	Description
1	User Security Authentication	Spring Security	Auth micro-service (dlg-gateway-auth)	The /login and /logout endpoints are defined using SecurityConfigurations (java class and config xml files). Currently the user accounts credentials are stored in ***. However, the future approach is to store user account credentials in *** instances.
2	Amazon CloudFront	Content Delivery Network (CDN) & HTTPS	AWS Services	Content Delivery Network (CDN) required for integration with Web Application Firewall
3	Route 53 (Public Zone)	AWS DNS	AWS DNS Services	AWS DNS Services
4	Web Application Firewall (WAF)	Firewall	AWS Services	The WAF will provide an initial check of traffic & provide the mechanism for routing requests to the different web apps

Archetypal microservices

Archetypal microservice	Microservice	Brief description
Read/ Write Policy Information (Including Quotes)	dlg-digital-se	SE is short for “Standard & Elite”. A product specific m/s (Home) that provides endpoints for anything that is product specific, i.e., Policy management system calls to get home quote, buy home policy, payment options, save home quote services.
	dlg-digital-renters	This is another product specific m/s written for the first BPAPI release for business partners. It is a cut down version of the SE service that supports only one cover level and so can make several optimisations.
	dlg-digital-quoteset	Internally called only by SE/Renters m/s for CRUD operations on quote sets.
	dlg-digital-routing	All calls to m/s endpoints should be made via this service (see dedicated section: routing microservice (dlg-digital-routing)).

Guardrails



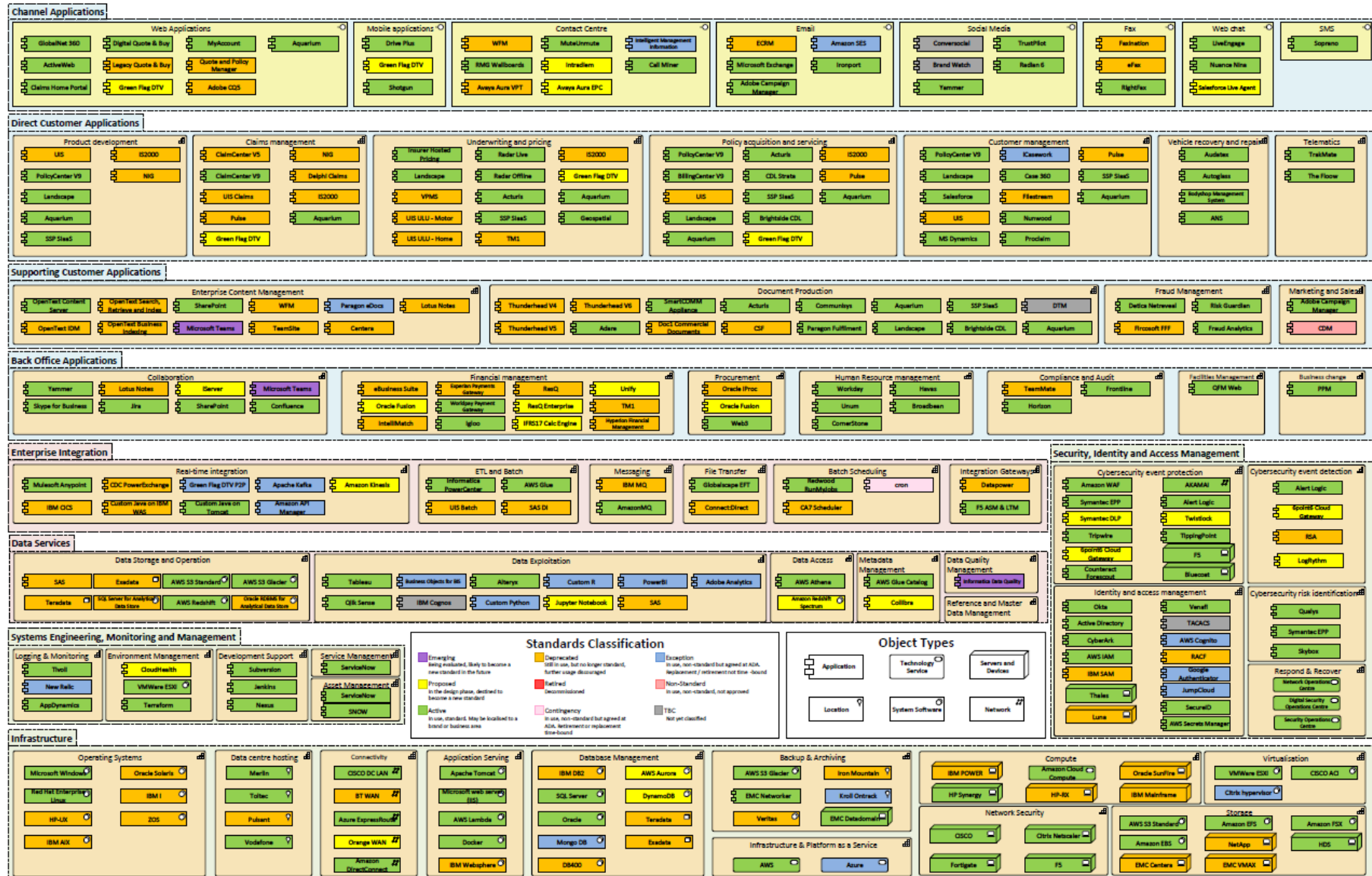
Considerations

Handling amendments

Ensuring compliance

Keeping it relevant

The enterprise reference architecture



AWS Approved Services

