Northrop Grumman’s Cloud-Ready Application Framework (CRAF) represents an acceleration and standardization in application cloud enablement. CRAF intends to establish the standard blueprint on which to rapidly develop business capabilities and applications running in private and public cloud environments. CRAF is a standards based, application cloud-readiness strategy to enable business transformation and rapid application delivery. It features built-in quality, security and resiliency aimed at facilitating a lower cost of ownership, higher security posture and improved business continuity.

Cloud-Ready Application Framework Overview

Cloud-Ready Application Framework is a framework-as-a-service (FaaS) offering, which provides architectural best practices, reference architecture, application templates, and cloud neutral components to enable rapid application delivery, lower development/delivery cost, improved security and maintainability and alleviate the risk of cloud vendor lock-in. CRAF is designed to jumpstart development projects and take advantage of cloud infrastructure and platform services, for both private and public cloud implementations.

Cloud-Ready Application Framework

Components
Responsive User Interfaces provide a set of integrated responsive user designed templates and tools to enable immediate deployment across multiple platforms (desktop, mobile, etc.) to decrease development startup cost. Enterprise Application Services is a set of hardened, secure enterprise services which can be re-used from application to application, to improve security and maintainability and decrease development cost across a portfolio of enterprise applications. Cloud Agnostic Service Layer, a common application program interface, abstracts core cloud services (e.g. storage, messaging, and databases) to prevent vendor lock-in and enable interoperability across multiple cloud environments. See graphic above.

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