**Technical Architecture References**

**Engineering Excellence:  VA OIT Links**

[Engineering Best Practices, Guidance, and Standards](https://dvagov.sharepoint.com/sites/OITEPMOVAEA/DevSecOps/SitePages/Home.aspx)

[VA Platform Documentation](https://depo-platform-documentation.scrollhelp.site/)

[Technical Reference Model (TRM)](https://trm.oit.va.gov/)

[Enterprise Design Patterns](https://www.oit.va.gov/library/recurring/edp/index.cfm)

[VA Enterprise Architecture Repository (VEAR)](https://vaww.vear.ea.oit.va.gov/)

Enterprise Security Architecture (ESA) DevSecOps:  [Link](https://dvagov.sharepoint.com/sites/OITOIS/KnowledgeService/ESA/Pages/DevSecOps.aspx)

Data and Analytics Confluence Page:  [Link](https://kb.vaec.va.gov/display/~vacodancem/Data+and+Analytics+Product+Line+Notes+2022)

GitHub Handbook:  [Link](https://department-of-veterans-affairs.github.io/github-handbook/)

VA Platform One (VAPO):  [Link](https://dvagov.sharepoint.com/sites/vaplatformone)

[API Standards policy](https://dvagov.sharepoint.com/sites/OITDevSecOps/comms/SOP_Library/OIT%20Directive%206700%20Application%20Programming%20Interface%20(API)%20Standards.pdf)

Lighthouse API [publishing standards](https://developer.va.gov/api-publishing)

Lighthouse Hub:  [Link](https://hub.lighthouse.va.gov/)

Enterprise Cloud Solutions Office (ECSO):  [Link](https://dvagov.sharepoint.com/sites/OITECSO/SitePages/VAEC.aspx)

VAEC Knowledge Space:  [Link](https://kb.vaec.va.gov/display/VK/VAEC+Knowledge)

SaaS Software Factory:  [Link](https://dvagov.sharepoint.com/sites/oitswfsaas)

DigitalVA Accessibility Guide:  [Link](https://digital.va.gov/accessibility/)

**Industry Best Practices**

Azure Well-architected framework:  [Link](https://docs.microsoft.com/en-us/azure/architecture/framework/)

AWS Well-architected framework:  [Link](https://aws.amazon.com/architecture/well-architected/)

Medical Technology News:  [Link](https://www.medgadget.com/)

The New Stack:  [Link](https://thenewstack.io/)

**Comparison of Technologies**

[CI/CD Software](https://en.wikipedia.org/wiki/Comparison_of_continuous_integration_software)

[Deep Learning](https://en.wikipedia.org/wiki/Comparison_of_deep_learning_software)

[Data Serialization](https://en.wikipedia.org/wiki/Comparison_of_data-serialization_formats)

[Programming Languages](https://en.wikipedia.org/wiki/Comparison_of_programming_languages#:~:text=General%20comparison%20%20%20%20Language%20%20,%20%20No%20%2016%20more%20rows%20)

[Databases](https://www.prisma.io/dataguide/intro/comparing-database-types)

[Operating Systems](https://en.wikipedia.org/wiki/Comparison_of_operating_systems#:~:text=Property%20Value%20%20Name%20%20%20%20Creator,11%20%20%20Smartphone%2C%20tablet%20computer%2C%20education%20)

[Content Management Systems](https://en.wikipedia.org/wiki/List_of_content_management_systems)

[JavaScript Web Frameworks](https://en.wikipedia.org/wiki/Comparison_of_JavaScript-based_web_frameworks)

[Server-side Web Frameworks](https://en.wikipedia.org/wiki/Comparison_of_server-side_web_frameworks)

[Web Servers](https://en.wikipedia.org/wiki/Comparison_of_web_server_software)

[Application Servers](https://en.wikipedia.org/wiki/List_of_application_servers)

**What is Infrastructure as Code (IaC)?**

* <https://www.youtube.com/watch?v=POPP2WTJ8es>
* <https://www.youtube.com/watch?v=zWw2wuiKd5o>

IaC captures environment definitions as declarative code, such as JSON documents, for automated provisioning and configuration. This enables you to use the same versioning used for source code with infrastructure deployment templates.

**What is DevSecOps?**

* Overview from VA industry partner: <https://www.redhat.com/en/topics/devops#?>
* What is CI/CD: <https://www.redhat.com/en/topics/devops/what-is-ci-cd>
* DORA Metrics: <https://www.cloudbees.com/blog/dora-devops-metrics-bandwagon>

**What is Kubernetes?**

* Overview:  <https://www.redhat.com/en/topics/containers/what-is-kubernetes>
* Architecture:  <https://www.redhat.com/en/topics/containers/kubernetes-architecture>
* Security: <https://github.com/magnologan/awesome-k8s-security>

**DISA STIGs and Configuration Baselines**

* STIG:  <https://public.cyber.mil/stigs/>
* BCM:  <https://vaww.vashare.oit.va.gov/sites/itops/svcs/sma/BCM/Pages/BCM.aspx>