DEPARTMENT OF THE AIR FORCE
AIR FORCE LIFE CYCLE MANAGEMENT CENTER (AFLCMC)

MEMORANDUM FOR RECORD

SUBJECT: Platform One, Kessel Run, We "Believe" Software Principles

References: (a) DevSecOps Reference Architecture [https://software.af.mil/wp-content/uploads/2021/05/DoD-Enterprise-DevSecOps-Reference-Design-v2.0-CNCF-Kubernetes.pdf]

(b) "The New Digital Acquisition Reality" [https://software.af.mil/wp-content/uploads/2020/10/There-Is-No-Spoon-Digital-Acquisition-7-Oct-2020-digital-version.pdf]

1. The USAF's Platform One and Kessel Run teams have been hard at work to converge our technology, services, and data to ensure rapid application portability across key software systems that support our warfighters. To do so, we believe it is important to document shared core beliefs that we are pursuing through collaboration of our limited pool of talented software personnel. These principles guide our collaboration, technology decisions, and engagement with industry.

2. We believe that:

   a. Collaboration over mandates is required
   b. Our people are the most important part of what we do, so we must prioritize talent pipelines, career management, and employee experience
   c. Empowering engineers closest to the issues to make decisions guided by DoD open-source framework creates the best solutions
   d. One size does not fit all, though we can build together for modularity and reuse
   e. Flexibility is key to staying relevant to the commercial capabilities we need
   f. Contributing to open source is a leading indicator in keeping pace or leading industry

3. As we pursue these shared beliefs we intend to prioritize and collaboratively build the following as foundational enterprise needs:

   a. Platform services that enable rapid application cross-platform & cross-environment portability
   b. Common security authentication
   c. Common policy enforcement
   d. Consistent security monitoring
   e. Continuous consumption of industry's best of breed
   f. Collaborative cost savings by making sound buy vs lease vs build business cases and decisions

4. To execute on these foundational enterprise needs, we intend to establish a framework other software teams can join to collaborate and to build across multiple programs.

5. The framework we are establishing will look to mirror the Cloud Native Computing Foundation (CNCF) process, panel, maturity path, special interest topics, etc. Our programs believe that if we don't execute on this, we cannot achieve the end state defined for us by our senior leaders in the "The New Digital Acquisition Reality."

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