

In whatever computing environment an organization chooses to deploy an application, the organization will need some evidence that the application is running as intended. This evidence serves both the organization's own assurances and those of auditors or customers. Even if no malice is involved, the environment's optimizations may only approximate the intended result. A multi-tenant computing environment such as a public cloud hosting VPCs for multiple organizations introduces further complexities. As with any Internet service, tenants are affected by one another's behavior, which can be unpredictable. Because there is no direct opportunity for negotiation among different tenants with respect to the underlying computing environment (in principle, they cannot even detect one another), any contention must be resolved by the cloud provider itself.