

Cloud Effectiveness Model

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Abstract. Cloud computing is a model for enabling convenient, on-demand network access to a shared pool of configurable computing resources (e.g., networks, servers, storage, applications and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction. This cloud model promotes availability and is composed of five essential characteristics: On-Demand Self-Service, Broad Network Access, Resource Pooling, Rapid Elasticity and Measured Service. Although deemed _essential,_ not all cloud provider solutions exhibit these characteristics to the same level. This white paper describes a new framework, the Cloud Effectiveness Model (CLEF-M), which can be used to evaluate:_ How effectively a cloud provider_s offering meets the _essential characteristics__ The levels to which consumers need and/or value these same characteristics, and_ The maturity of a cloud offering and its progress toward a desired end-state