IaC Keywords/text from Definitions

Operational Tasks (Purpose)	Infrastructure	Provision (Construct, Build, Generate,launches), Manage, Destroy (Teardown), Configure,
	Software/Platform	Install, configure, uninstall, generates software components, apply a consistent configuration
	Applications	Provisioning, Managing , Deploying, Redeploy, Configuring , destroying apply a consistent configuration updating of a configuration file on the server construct your infrastructure generates software components generates the same environment every time it is applied entire infrastructure is defined states the desired state automatically launches cloud foundations environment description and version the configuration model executes the model to configure target environments. provisions and tears down environments based on IaC definitions. Infrastructure changes become repeatable processes representing the desired state of their environments via code. Building infrastructure Clone infrastructure Version infrastructure rolled back infrastructure infrastructure Iteration replace (Every configuration, every machine) roll your environment back to its previous state system and application configurations Orchestration provision the server instances themselves (orchestration) vs configuring those servers (configuration)
Infrastructure (Object)		Virtualization Auditable Infrastructure Virtual networks Virtual machines IT infrastructure Immutable Infrastructure cloud computing Idempotence infrastructure (networks, virtual machines, load balancers, and connection topology) programmable infrastructure software-defined infrastructure is a pre-requisite for IaC Infrastructure management functions can now be emulated in code.
Desired Outcome for Operation		Repeatability Reliability Version Controlled Infrastructure as a service manage your infrastructure environment the same way you maintain your software code for releases. Configuration change tracking using the same versioning as DevOps team uses for source code much more reliable and flexible approach to scripting or the manual setup Idempotence to make changes, they edit the source, not the target. high level language

		infrastructure management through a software-defined layer. Infrastructure changes become repeatable processes duplicate an exact environment consistent, higher quality infrastructure build with improved ongoing management capabilities. Reproducibility
Means		source code (not via UI or commands) declarative manner Machine-readable definition files descriptive model environment description and the configuration model high level language declarative and imperative automation scripts human-readable templating language procedural style language Automation tools Transparency
Methods		Having development and production environments be as-close-as-possible Automation apply a consistent configuration to a broad range of endpoint bridging the gap between Dev and Op ensures parity of test and integration environments across locations and organizations enables exploration and experimentation for design evolution
		DevOps continuous delivery turning IT Service Management strategies into DevOps processes. The focus of service management and control systems therefore shifts to managing the automation tooling and definition files. release pipeline automated workflow CI-CD
what solved		environment drift configuration drift snowflake infrastructure
Teams/Actors		networking teams,systems admins,developers ,security folks ,DevOps folks both operations and development teams (change the responsibility of teams)