AZ-900 Cheat Sheet

High-yield Azure Fundamentals review for the last pass before practice tests.

BEST FOR	FOCUS	USE WITH
Last review before mini test or app session	Core concepts, service purpose, governance basics	Quick Summary + Service Map

1. Cloud models and service types

Public vs private vs hybrid — Public = provider-owned infrastructure, private = dedicated environment, hybrid = mix of on-prem and cloud.

IaaS — You manage OS and apps; Azure manages physical hardware.

PaaS — Azure manages the platform so you focus on code and data.

SaaS — Fully managed application consumed by end users.

Serverless — You pay for execution or events, not always-on servers.

2. Core architecture

Region — A geographic area with one or more datacenters.

Availability Zone — Physically separate locations inside a region for higher resilience.

Resource Group — Logical container for related resources.

Subscription — Billing and access boundary.

Management Group — Lets you apply policy and governance above subscriptions.

3. Compute and networking

Virtual Machines — Best when you need OS-level control.

App Service — Managed web app hosting without patching servers.

Functions — Event-driven code for short tasks and automation.

Virtual Network — Private network boundary for Azure resources.

ExpressRoute — Private dedicated connectivity instead of public internet.

4. Storage, identity, and security

Blob Storage — Object storage for files, backups, media, and logs.

Hot/Cool/Archive — Choose by access frequency and retrieval needs.

Microsoft Entra ID — Identity and access service for users, apps, and groups.

MFA — Adds a second factor beyond password.

RBAC — Controls who can do what on Azure resources.

5. Governance, cost, and monitoring

Azure Policy — Enforces or audits allowed resource configurations.

Resource Locks — Prevent accidental delete or modification.

Tags — Metadata for cost tracking, ownership, and organization.

Pricing Calculator — Estimate expected cost before deployment.

Azure Monitor — Collects metrics, logs, alerts, and application telemetry.