# Difference Between Primitive, Predefined, and Custom Roles

### 1. Primitive Roles

These are the most basic and broad roles. There are only three of them:

• Viewer: Can only view resources

• Editor: Can view and modify resources

Role Type Who Defines It Level of Control

• Owner: Has full control, including managing permissions

They are easy to use but too general for most real world setups, especially in production.

## 2. Predefined Roles

These roles are more specific and are created by Google. They are meant for particular services or tasks.

For example:

- Compute Viewer: Can view Compute Engine resources
- Storage Object Admin: Full control over Cloud Storage objects

These are better than primitive roles because they offer more control over what a user or service account can do.

### 3. Custom Roles

Custom roles are roles that we create ourselves. We can pick exactly which permissions to include based on the task.

## **Summary**

Roic Type	Who Defines It	Level of Control	Dest Oscu Poi
Primitive	Google	Very broad	Simple setups, not recommended for production
Predefined	Google	Task-specific	Common use cases like storage, compute, logging
Custom	You	Very specific	Fine-grained access control for special needs

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