

# Mapping to Swift Compiler Enforces Completeness

```
    ) -> AccessResult {
        switch (role, resource, action, isOwner) {
            // Admin can do anything
            case (.admin, _, _, _):
                return .allow

            // All other cases denied (explicit enumeration for exhaustiveness)
            case (.user, .publicResource, .write, _),
                  (.user, .publicResource, .delete, _),
                  (.user, .sharedResource, .write, _),
                  (.user, .sharedResource, .delete, _),
                  (.user, .privateResource, .read, false),
                  (.user, .privateResource, .write, false),
                  (.user, .privateResource, .delete, false),
                  (.guest, .publicResource, .write, _),
                  (.guest, .publicResource, .delete, _),
                  (.guest, .sharedResource, _, _),
                  (.guest, .privateResource, _, _):
                return .deny
        }
    }
}
```

 **Switch must be exhaustive**

# Demo

[TODO ad link to gh playground ]