

# Chapter 23: Namespacing

## Section 23.1: Namespace by direct assignment

```
//Before: antipattern 3 global variables
var setActivePage = function () {};
var getPage = function() {};
var redirectPage = function() {};

//After: just 1 global variable, no function collision and more meaningful function names
var NavigationNs = NavigationNs || {};
NavigationNs.active = function() {}
NavigationNs.pagination = function() {}
NavigationNs.redirection = function() {}
```

## Section 23.2: Nested Namespaces

When multiple modules are involved, avoid proliferating global names by creating a single global namespace. From there, any sub-modules can be added to the global namespace. (Further nesting will slow down performance and add unnecessary complexity.) Longer names can be used if name clashes are an issue:

```
var NavigationNs = NavigationNs || {};
NavigationNs.active = {};
NavigationNs.pagination = {};
NavigationNs.redirection = {};

// The second level start here.
NavigationNs.pagination.jquery = function();
NavigationNs.pagination.angular = function();
NavigationNs.pagination.ember = function();
```