

Yanhu007 / **kratos** Public

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Yanhu007 committed 2 weeks ago

fix: replace http.DefaultServeMux fallback handlers with safe defaults

The HTTP server uses http.DefaultServeMux as the fallback handler for unmatched routes and disallowed methods. Since DefaultServeMux is a global shared instance that may have handlers registered by init() functions (e.g. net/http/pprof), this can unintentionally expose debug endpoints like /debug/pprof/ to the network.

Replace with:

- http.NotFoundHandler() for NotFoundHandler (returns 404)
- A simple 405 handler for MethodNotAllowedHandler

Users who need the previous behavior can still explicitly set http.DefaultServeMux using the existing NotFoundHandler() and MethodNotAllowedHandler() server options.

Fixes [go-kratos#3810](#)



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1 file changed

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```
@@ -189,8 +189,10 @@ func NewServer(opts ...ServerOption) *Server {
189 189         strictSlash: true,
190 190         router:      mux.NewRouter(),
191 191     }
192 -     srv.router.NotFoundHandler = http.DefaultServeMux
193 -     srv.router.MethodNotAllowedHandler = http.DefaultServeMux
192 +     srv.router.NotFoundHandler = http.NotFoundHandler()
193 +     srv.router.MethodNotAllowedHandler = http.HandlerFunc(func(w
    http.ResponseWriter, r *http.Request) {
194 +         w.WriteHeader(http.StatusMethodNotAllowed)
195 +     })
194 196     for _, o := range opts {
195 197         o(srv)
196 198     }

```

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