

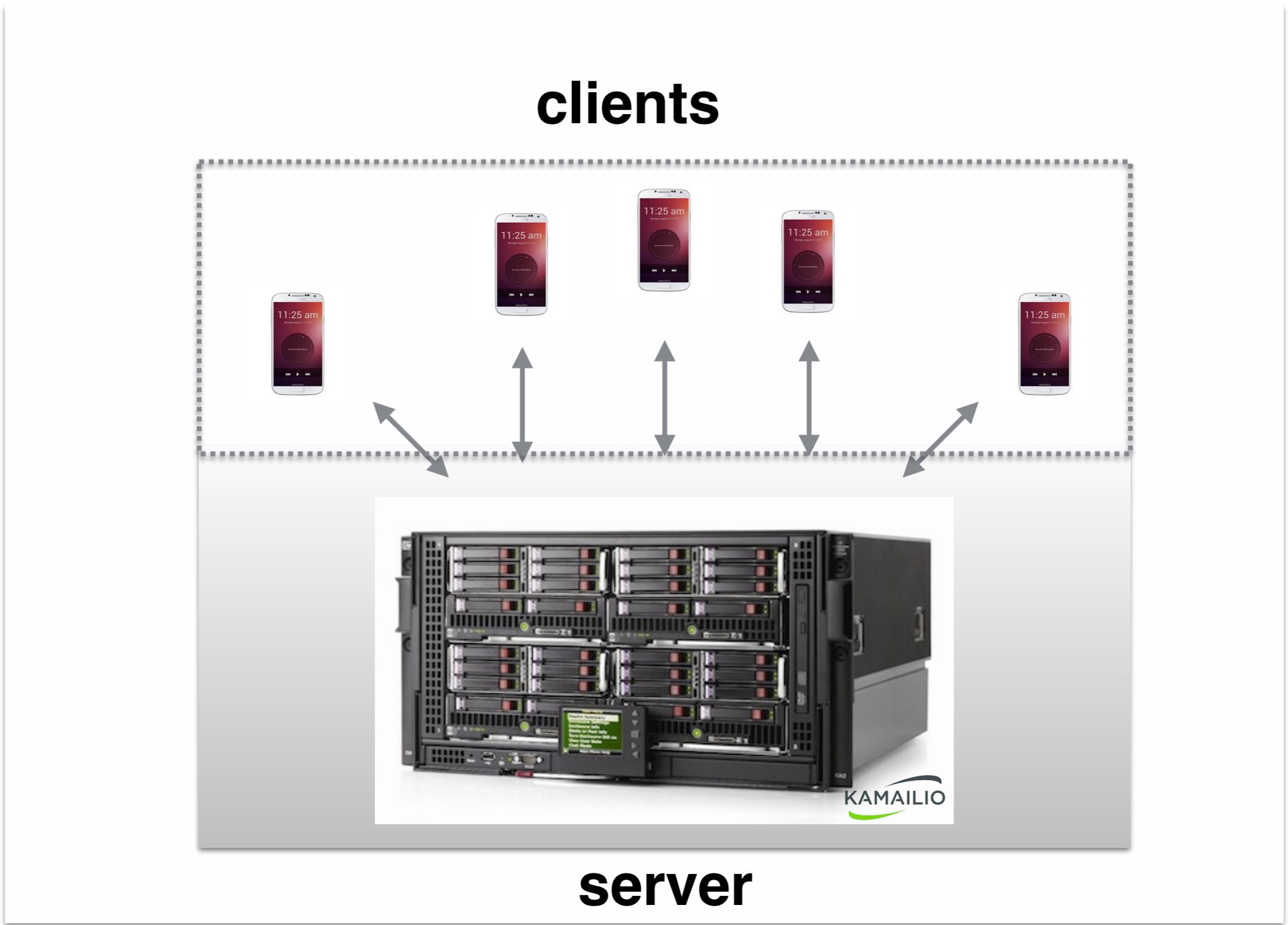


Dangerous Demo

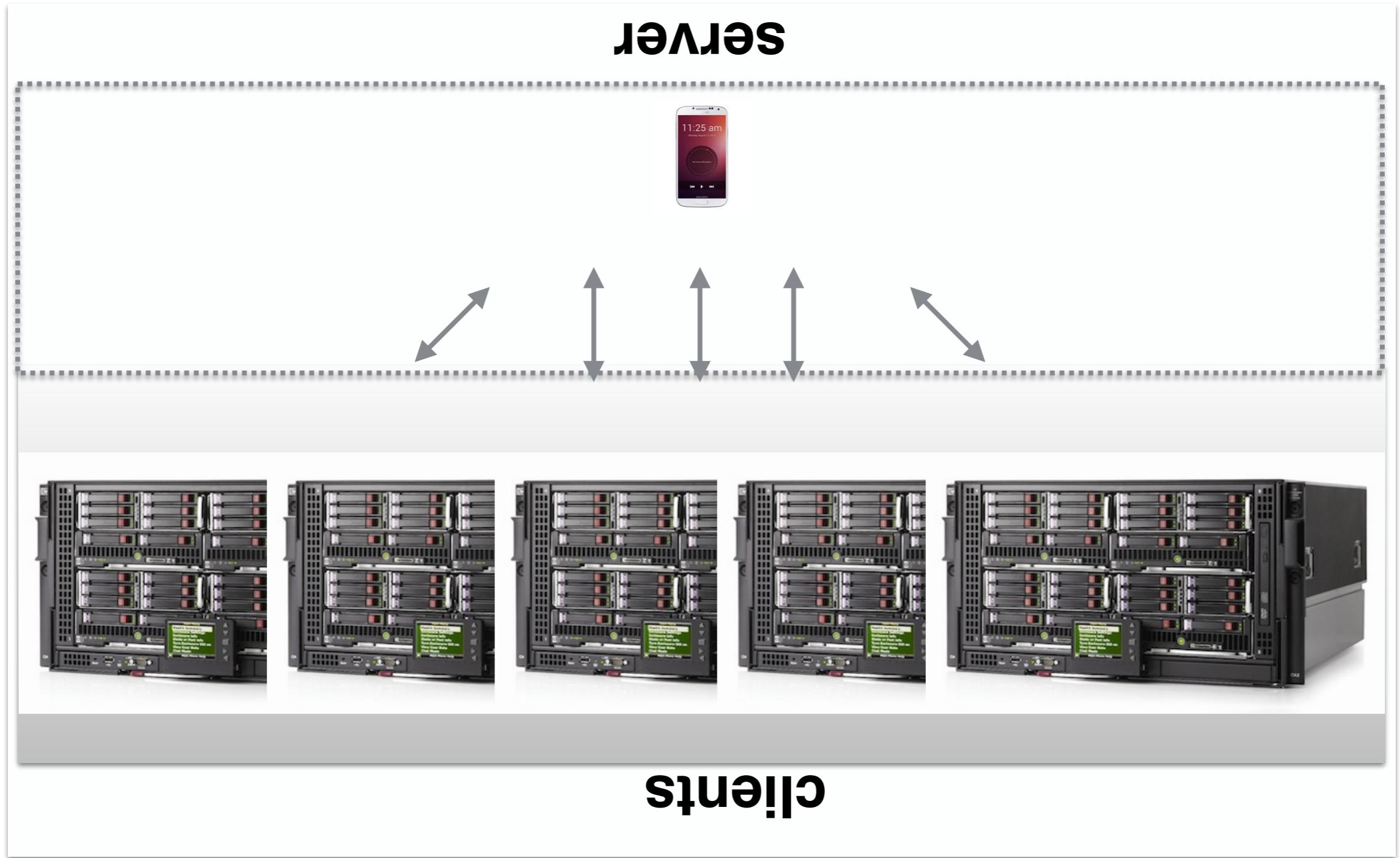
kamailio on mobile
with squirrel, javascript and lua scripts at the same time
and
config reload without restart



every mobile operator nowadays



every mobile operator from now on



Wifi

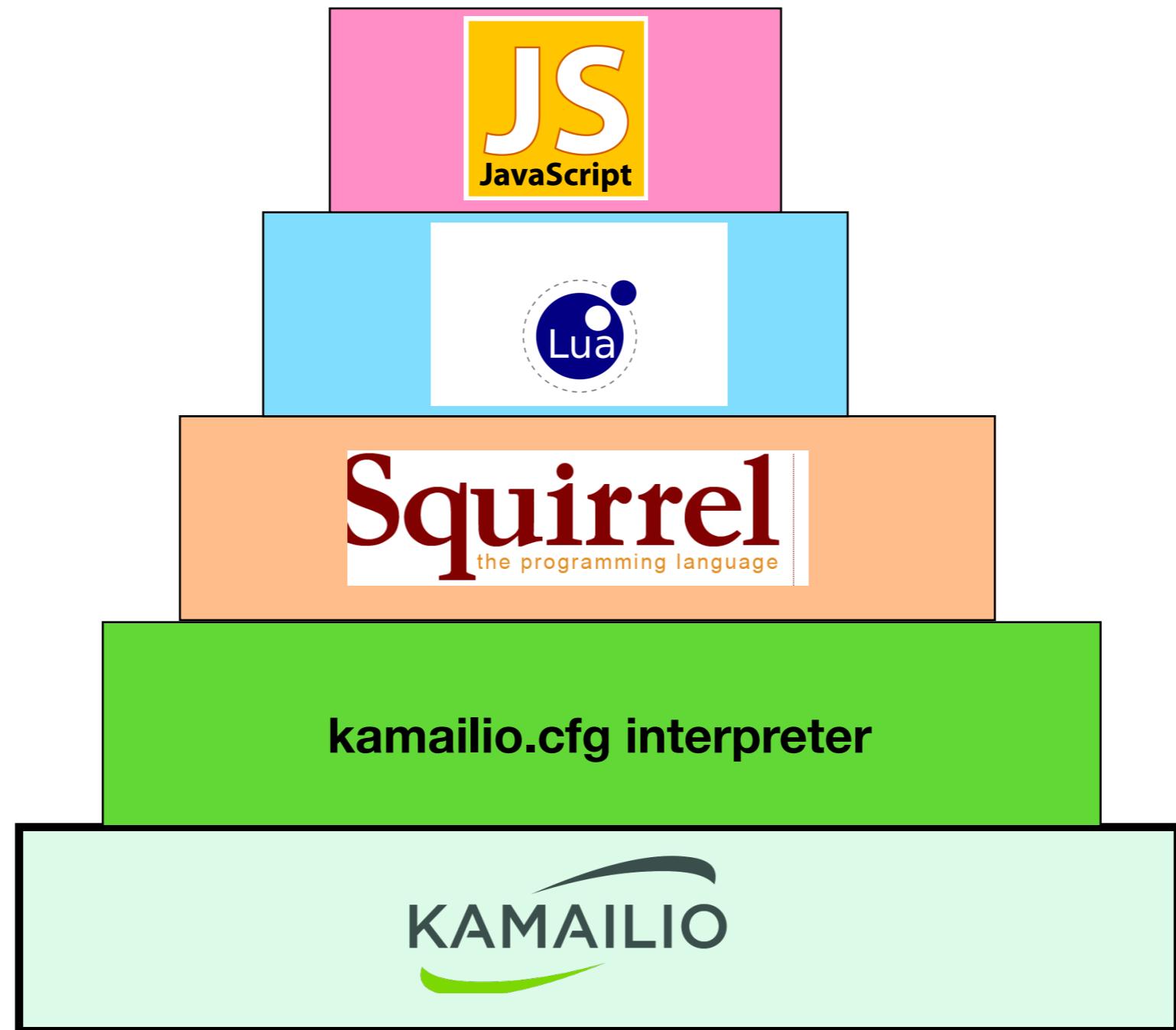


KAMAILIO

sipsak

sip routing scripting

- kamailio.cfg delegates routing scripting to app_squirrel
- squirrel handles the request
 - has the ksr_request_route()
 - the equivalent of request_route {...}
 - Sends a 200ok
 - Prints a log message
 - executes a lua code via app_lua
- lua script prints a log message and executes js code via app_jsdt
- js script prints a log



kamailio.cfg

...

```
# ----- app_lua params -----
modparam("app_lua", "load", "../etc/ddemo/kamailio-ddemo.lua")
modparam("app_lua", "reload", 1)

# ----- app_jsdt params -----
modparam("app_jsdt", "load", "../etc/ddemo/kamailio-ddemo.js")

# ----- app_sqlang params -----
modparam("app_sqlang", "load", "../etc/ddemo/kamailio-ddemo.sq")
```

cfgengine "sqlang"

kamailio-ddemo.sq

```
function ksr_request_route()
{
    KSR.sl.send_reply(200, "OK From Squirrel");
    ksr_squirrel_log();
}

function ksr_squirrel_log()
{
    KSR.info("++++++ log message from SQUIRREL\n");
    KSR.app_lua.run("ksr_lua_log");
}
```

kamailio-ddemo.lua

```
function ksr_lua_log()
    KSR.info("~~~~~ log message from LUA\n");
    KSR.app_jsdt.run("ksr_js_log");
    return 1;
end
```

kamailio-ddemo.js

```
function ksr_js_log()
{
    KSR.info("===== log message from JavaScript\n");
}
```

“edit and live reload of squirrel, lua and javascript files”

Without Restart

... time for action ...