

## ~/TESTING/VIEWS.PY (CONTINUED)

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```
from xmlrpc_server import tests_available
from json import dumps

def run_a_test(request, test_to_run):
    # create request context, do device lookup, etc.
    ...

    # convert JSON data into Python dict
    kwargs = {}
    for k, v in request.POST.items():
        kwargs[k] = _fictional_value_conversion(v)

    # find and run test
    xmlrpc_func = getattr(tests_available, test_to_run, None)
    if xmlrpc_func:
        test_info = xmlrpc_func(**kwargs)

    # present results to jQuery-based front-end script
    return HttpResponse(dumps(test_info))
```

# What is XML-RPC?

- XML-RPC implements RPC using open Web standards.
- Data is encoded ("marshalled") in XML using a special DTD for XML-RPC.
- The RPC call is made using HTTP.
- The application exporting the function must implement or be attached to a HTTP server.