AMIE API Testing

You will be expected to handle seven different kinds of initial packets from the AMIE client API:

- request_project_create
- request_project_inactivate
- request_project_reactivate
- request_account_create
- request_account_inactivate
- request_user_modify
- request_person_merge

Test Scenarios

Under normal circumstances, external events transpire to trigger packet generatation -- a request for your resource(s) is approved in XRAS, a new user is added to a project, a project runs out of funds, etc. For testing purposes, you can tell the test API to generate the packets you'd like to receive by initiating a "test scenario" -- a predetermined series of packets which are generated as earlier packets in the scenario are handled.

Together, these four scenarios will let you interact with all of the packet types that you will encounter through the AMIE client API.

Since all packet types except request_project_create (RPC) require a project or person to have been sent to your site, in order to test all packet types, each scenario begins with an RPC.

By default, all of your active resources will be added to the project. If no active resources are present for your site, a fake resource ("test-resource-1.<your-site>.xsede") will be created for the purpose of the test data. A random XSEDE user will be selected to be the PI.

Creating a test scenario

```
$ curl -H "XA-Site: <your-site>" -H "XA-API-Key: <your-api-key>" \
    -X POST \
    https://a3mdev.xsede.org/amie-api-test/test/<your-site>/scenarios?type=request_project_reactivate

# At least one packet should now be present
$ curl -H "XA-Site: <your-site>" -H "XA-API-Key: <your-api-key>" \
    https://a3mdev.xsede.org/amie-api-test/packets/<your-site>
```

At least one RPC packet should now be present. Once you've completed that transaction, the next packet in the scenario will be generated. These are the scenario types along with the sequence of packet types produced.

request_project_reactivate

- request_project_create
- request_project_inactivate
- request_project_reactivate

request_account_reactivate

- request_project_create
- request_account_create
- request_account_inactivate
- request_account_create (sent instead of a request_account_reactivate)

request_person_merge

- request_project_create
- request_account_create (2x per resource)
- request_person_merge

request_user_modify

- request_project_create
- request_user_modify

Two RUM packets ("delete" and "replace") will be created for every account (user login, not account on resource) that person has at your site. For new AMIE sites, this will only be one, but for existing sites it may be more.

Resetting test data

You can reset your test data back to a clean state by using the /reset route:

```
POST https://a3mdev.xsede.org/amie-api-test/test/<yoursite>/reset
```