PMT Database/API Development Process

In order to continue parallel development of the PMT database, API and applications it will be important to follow a development process that allows for database and API iterations, without disruption to the applications that are dependent on the database and API. Outlined below is the development process for the PMT Database and API.

Master Database and API

The master database will be called PMT. This database will be used for database and API development **ONLY**. No applications or external processes should be connected to this database.

When the master database and API complete a development iteration, the master database and API will publish.

Published Databases and APIs

Published database and API iterations will follow a naming convention.

The database name will reflect the client. For example, the database with all the old PMT 1.0 data will be called BMGF. The database that will be importing OAM data from IATI formatted xml will be called OAM. Additional clients can be added following the same process (i.e. ATA).

The development iteration number will be appended to the database name for each publication. So when the master database reaches its 4th development iteration, it will publish a database for each PMT instance. For example: BMGF4 and OAM4.

Published API iterations will follow a similar naming convention which will make evident the attached database instance and iteration. For example, the first iteration of the database and API for OAM may look like: http://dev.server.com/oam/1/api . Likewise, the third iteration of the database and API for BMGF may look like: http://dev.server.com/bmgf/3/api

Parallel Application Development

Application developers will hook their applications to a published database/API iteration. They will develop against this stable database iteration until the developer is ready to migrate and test their application against a newer database iteration.

This process will allow the database and API to continue to make development iterations, without disturbing application development iterations which depend on the database and API.

The following diagram provides a visual of the above described process.

The PMT Database and API Development Process