PQLX - Getting Started

Introduction

Once the PQLX analysis system has been installed and initialised, getting the system up and running is a simple matter of executing the following steps:

1. **Compile** and **Install** the PQLX system following the instructions found in: '**PQLX-0_Compilation_&_Installation.pdf**'

2. **Organise** the trace and response file data for all seismic channels to be contained in a PQLX database:

   Documentation detailing this can be found in:
   '**PQLX-2_DB_Setup_&_Prep.pdf**'

3. **Create** a PQLX database:

   Documentation detailing all aspects of PQLX Database Administration can be found in:
   '**PQLX-3_DB_Adminstration.pdf**'

4. **Execute** the Server-Side Analysis Program:

   Execution is possible in a number of ways:
   - From within the 'pqlx-admin' tool
   - From the command line
   - As a cron job

   Documentation detailing the PQLX Server-Side Analysis Program can be found in:
   '**PQLX-4 Server-Side Programs.pdf**'

5. **View** the analysis results using the PQLX Client-Side Program 'pqlx':

   Documentation detailing the PQLX Client-Side Program can be found in:
   '**PQLX-5 Client-Side Programs.pdf**'

Documentation Set

The complete list of documentation describing the various aspects of the PQLX System is:

Name	Description
PQLX-0_Compilation_&_Installation.pdf	All information regarding compiling and installing the PQLX system.
PQLX-1_Getting_Started.pdf	This document
PQLX-2_DB_Setup_&_Prep.pdf	Describes how to prepare and organize trace and response file data for PQLX analysis.
PQLX-3_DB_Administration.pdf	Describes the PQLX DB Administration Program 'pqlx-admin'; how to create and manage a PQLX database and execute the

	Server-Side Analysis Program.
PQLX-4_Server-Side_Programs.pdf	Describes the main PQLX Analysis Program as well as other Server-Side Programs that are available.
PQLX-5_Client-Side_Programs.pdf	Describes the main PQLX Data Viewer Program as well as other Client-Side Programs that are available.
PQLX-6_Data_Extract_API.pdf	Describes the existing API's allowing shell- and script-based extraction of PSD and PDF data. This allows for data to be extracted for import to other analysis programs, e.g., Matlab.
PQLX-7_XML_Input.pdf	Describes how to use XML files to import Channel Meta-Data and Seismic Event Information
PQLX-8_Travel_Time_Tables.pdf	Describes how to generate and import travel-time tables for use within PQLX
PQLX-Bug_Reporting.pdf	Describes how to submit a bug, enhancement request, comment, etc.
PQLX-Support_Services.pdf	Describes how to arrange for PQLX support services when desired