OpenPetra Business Logic Architecture

Client Interface Layer
(Angular UI, Web Services, Client-Server Communication)

Business Logic Layer

Client Requests

Event Infrastructure

Event Handling, Pub/Sub Messaging, State Management

(Waf.Event Namespace)

Dispatch Events

Processing Patterns
- Validation
- Web
- Queries
- Connect

MPartner
Partners	Organizations
Persons	Families

MFinance
Accounting	Gift Processing
Banking	ICH

MPersonnel
Staff Management	Volunteers
Personnel Data	Progress Reports

MConference
Event Management	Registration
Accommodations	Transportation

MSponsorship
Program Management	Participant Tracking
Child Management	Donor Management

MSysMan
User Management	Access Control
System Settings	DB Upgrades

Service Infrastructure
- REST
- SOAP
- Remoting
- Auth

Data Operations

- Reporting (MReporting)
- Hospitality (MHospitality)
- Common Services (MCommon)

Data Access Layer
(ORM, Database Abstraction, RDBMS Implementation)

Legend: Client Layer · Event Infrastructure · Business Modules · Cross-Cutting Modules · Data Access Layer · Supporting Services