

Notes

- The business layer is replicated for every entity we have in the cms, E.G.

com.dotmarketing.portlets.category. business

com.dotmarketing.portlets.contenlet. business

- Every Business Layer talks to each other through the APIs, so let say the CategoryFactory needs to retrieves permissions it should do it through the PermissionAPI.

DotCMS Core

Business Layer

(Implemented in the same package named *business* except for the Beans/POJO that should still live in the model package)

| | | Model Layer |
|---|--|---|
| POJO/Beans (Preserve encapsulation - No public attributes, use getters and setters) com.dotmarketing.portlets.XXX.model com.dotmarekting.cms.XXX.model | | |
| API Layer | | |
| API Locator Used by all class to get an instance any API | API Interaces All classes will program to the API interface using the API locator to inject the concrete API at runtime. | APIs (Only instance method should live in these classes and they should inherit from GenericAPI) com.dotmarketing.portlets.XXX.business com.dotmarekting.cms.XXX.business |
| Data Access Layer Only APIs call the Data Access Layer | | |
| Factory Locator Used by APIs to get an instance of a factory | Factory Interaces All APIs will program to the factories interface using the factory locator to inject the concrete factory at runtime. | (Methods should only be called by API) com.dotmarketing.portlets.XXX.business com.dotmarekting.cms.XXX.business |
| Cache Locator Used by factories to get an instance of a cache | Cache Interaces All factories will program to the cache's interface using the cache locator to inject the concrete cache at runtime. | Caches (Hidden by the factories, the factories are responsible to maintain caches up to date, the caches cannot call the factories and the APIs should be the only thing that calls the caches) com.dotmarketing.portlets.XXX.business com.dotmarekting.cms.XXX.business |
| nfrastructure Layer | | |
| Persistance Services DotHibernate, HibernateUtil, DotConnect, LuceneUtil | | ng Services Mailer Logging Services Logger Config Services Logger PublicGroupFactory, PublicRoleFactory, PublicAddressFactory, PublicCompanyFactory |
| DotCMS D | 3 Lucene Index | External DBs XML/Text Files Other Data Sources |

