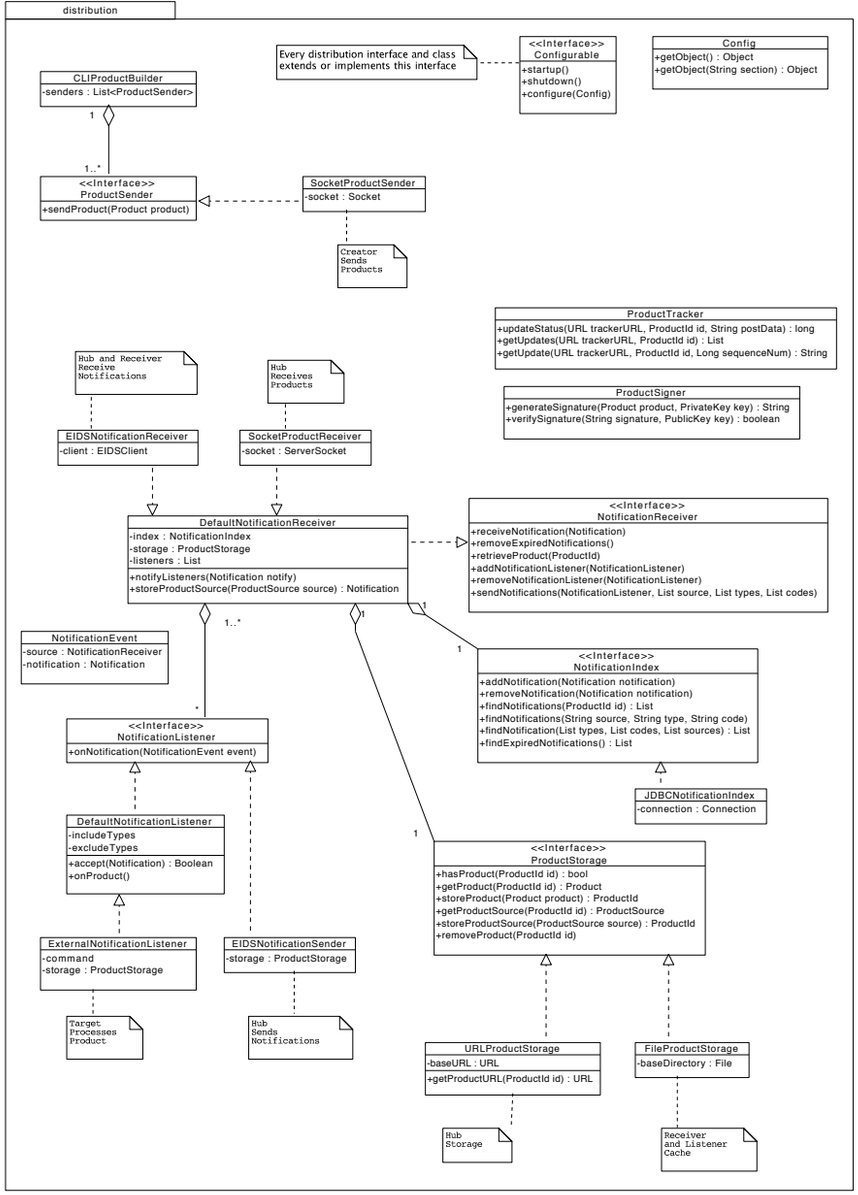
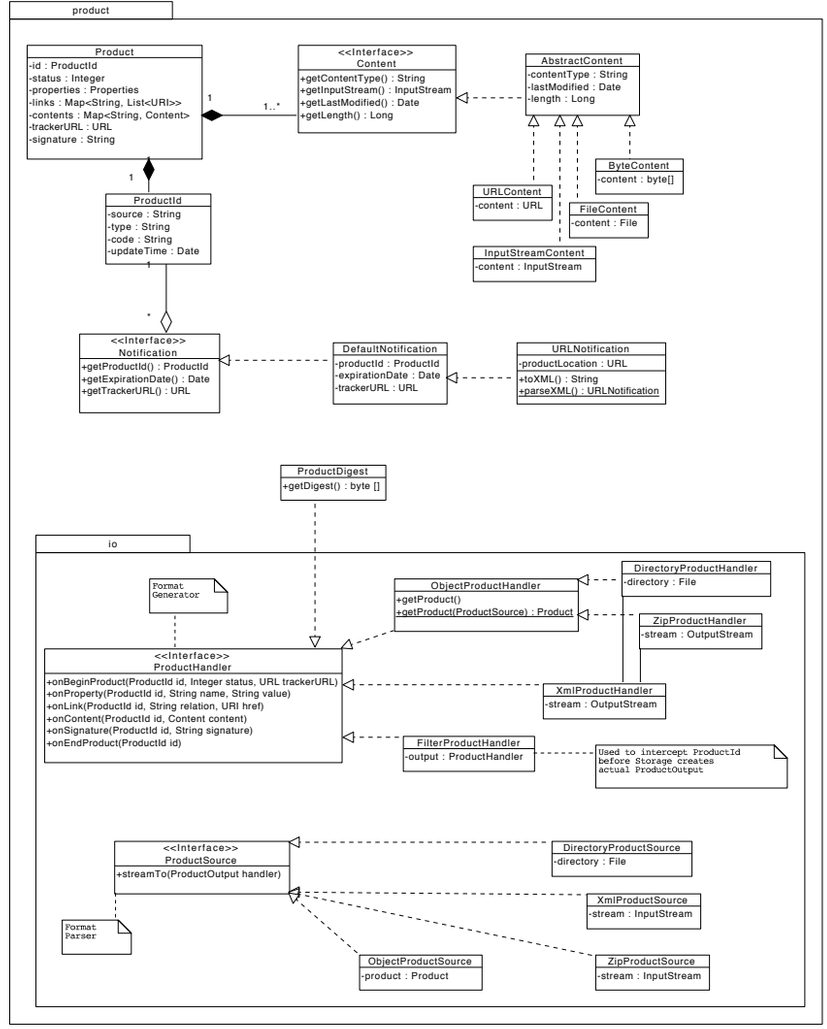
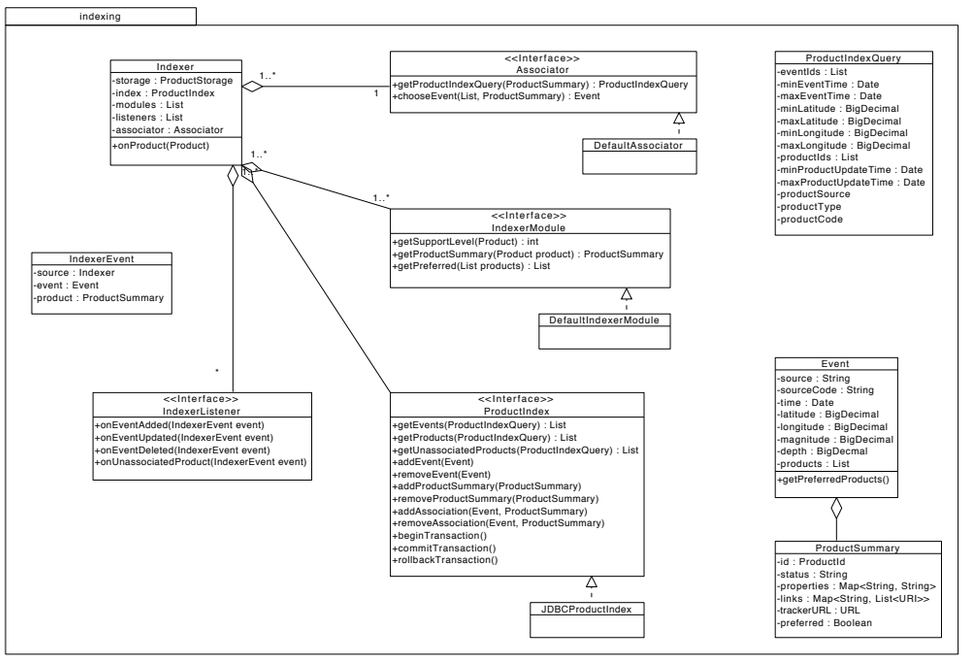

distribution
Every distribution interface and class extends or implements this interface
<<Interface>>
Configurable
+startup()
+shutdown()
+configure(Config)
Config
+getObject() : Object
+getObject(String section) : Object
CLIProductBuilder
-senders : List<ProductSender>
1
1..*
<<Interface>>
ProductSender
+sendProduct(Product product)
SocketProductSender
-socket : Socket
Creator Sends Products
ProductTracker
+updateStatus(URL trackerURL, ProductId id, String postData) : long
+getUpdates(URL trackerURL, ProductId id) : List
+getUpdate(URL trackerURL, ProductId id, Long sequenceNum) : String
Hub and Receiver Receive Notifications
Hub Receives Products
ProductSigner
+generateSignature(Product product, PrivateKey key) : String
+verifySignature(String signature, PublicKey key) : boolean
EIDSNotificationReceiver
-client : EIDSClient
SocketProductReceiver
-socket : ServerSocket
DefaultNotificationReceiver
-index : NotificationIndex
-storage : ProductStorage
-listeners : List
+notifyListeners(Notification notify)
+storeProductSource(ProductSource source) : Notification
<<Interface>>
NotificationReceiver
+receiveNotification(Notification)
+removeExpiredNotifications()
+retrieveProduct(ProductId)
+addNotificationListener(NotificationListener)
+removeNotificationListener(NotificationListener)
+sendNotifications(NotificationListener, List source, List types, List codes)
NotificationEvent
-source : NotificationReceiver
-notification : Notification
<<Interface>>
NotificationIndex
+addNotification(Notification notification)
+removeNotification(Notification notification)
+findNotifications(ProductId id) : List
+findNotifications(String source, String type, String code)
+findNotification(List types, List codes, List sources) : List
+findExpiredNotifications() : List
<<Interface>>
NotificationListener
+onNotification(NotificationEvent event)
JDBCNotificationIndex
-connection : Connection
DefaultNotificationListener
-includeTypes
-excludeTypes
+accept(Notification) : Boolean
+onProduct()
<<Interface>>
ProductStorage
+hasProduct(ProductId id) : bool
+getProduct(ProductId id) : Product
+storeProduct(Product product) : ProductId
+getProductSource(ProductId id) : ProductSource
+storeProductSource(ProductSource source) : ProductId
+removeProduct(ProductId id)
ExternalNotificationListener
-command
-storage : ProductStorage
EIDSNotificationSender
-storage : ProductStorage
Target Processes Product
Hub Sends Notifications
URLProductStorage
-baseURL : URL
+getProductURL(ProductId id) : URL
FileProductStorage
-baseDirectory : File
Hub Storage
Receiver and Listener Cache


product
Product
-id : ProductId
-status : Integer
-properties : Properties
-links : Map<String, List<URI>>
-contents : Map<String, Content>
-trackerURL : URL
-signature : String
<<Interface>>
Content
+getContentType() : String
+getInputStream() : InputStream
+getLastModified() : Date
+getLength() : Long
AbstractContent
-contentType : String
-lastModified : Date
-length : Long
ByteContent
-content : byte[]
URLContent
-content : URL
FileContent
-content : File
InputStreamContent
-content : InputStream
ProductId
-source : String
-type : String
-code : String
-updateTime : Date
<<Interface>>
Notification
+getProductId() : ProductId
+getExpirationDate() : Date
+getTrackerURL() : URL
DefaultNotification
-productId : ProductId
-expirationDate : Date
-trackerURL : URL
URLNotification
-productLocation : URL
+toXML() : String
+parseXML() : URLNotification
ProductDigest
+getDigest() : byte []
io
Format Generator
ObjectProductHandler
+getProduct()
+getProduct(ProductSource) : Product
DirectoryProductHandler
-directory : File
ZipProductHandler
-stream : OutputStream
<<Interface>>
ProductHandler
+onBeginProduct(ProductId id, Integer status, URL trackerURL)
+onProperty(ProductId id, String name, String value)
+onLink(ProductId id, String relation, URI href)
+onContent(ProductId id, Content content)
+onSignature(ProductId id, String signature)
+onEndProduct(ProductId id)
XmlProductHandler
-stream : OutputStream
FilterProductHandler
-output : ProductHandler
Used to intercept ProductId before Storage creates actual ProductOutput
<<Interface>>
ProductSource
+streamTo(ProductOutput handler)
DirectoryProductSource
-directory : File
XmlProductSource
-stream : InputStream
Format Parser
ObjectProductSource
-product : Product
ZipProductSource
-stream : InputStream


indexing
Indexer
-storage : ProductStorage
-index : ProductIndex
-modules : List
-listeners : List
-associator : Associator
+onProduct(Product)
<<Interface>>
Associator
+getProductIndexQuery(ProductSummary) : ProductIndexQuery
+chooseEvent(List, ProductSummary) : Event
DefaultAssociator
ProductIndexQuery
-eventIds : List
-minEventTime : Date
-maxEventTime : Date
-minLatitude : BigDecimal
-maxLatitude : BigDecimal
-minLongitude : BigDecimal
-maxLongitude : BigDecimal
-productIds : List
-minProductUpdateTime : Date
-maxProductUpdateTime : Date
-productSource
-productType
-productCode
<<Interface>>
IndexerModule
+getSupportLevel(Product) : int
+getProductSummary(Product product) : ProductSummary
+getPreferred(List products) : List
DefaultIndexerModule
IndexerEvent
-source : Indexer
-event : Event
-product : ProductSummary
<<Interface>>
IndexerListener
+onEventAdded(IndexerEvent event)
+onEventUpdated(IndexerEvent event)
+onEventDeleted(IndexerEvent event)
+onUnassociatedProduct(IndexerEvent event)
<<Interface>>
ProductIndex
+getEvents(ProductIndexQuery) : List
+getProducts(ProductIndexQuery) : List
+getUnassociatedProducts(ProductIndexQuery) : List
+addEvent(Event)
+removeEvent(Event)
+addProductSummary(ProductSummary)
+removeProductSummary(ProductSummary)
+addAssociation(Event, ProductSummary)
+removeAssociation(Event, ProductSummary)
+beginTransaction()
+commitTransaction()
+rollbackTransaction()
JDBCProductIndex
Event
-source : String
-sourceCode : String
-time : Date
-latitude : BigDecimal
-longitude : BigDecimal
-magnitude : BigDecimal
-depth : BigDecmal
-products : List
+getPreferredProducts()
ProductSummary
-id : ProductId
-status : String
-properties : Map<String, String>
-links : Map<String, List<URI>>
-trackerURL : URL
-preferred : Boolean