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|  | **CORBA-NS** | **Siena** | **YANCEES** | **JavaSpaces** |
| connectToServer() | 1.Obtain reference to event channel factory  2.Obtain an event channel (with provided QoS) | 1.create a HierarchicalDispatcher instance  2. invoke setMaster() with the address of the server | 1.create a YanceesRMIClient instance with the address or hostname where YANCEES is executing | 1.obtain reference to LookupLocator object  2.obtain reference to ServiceRegistar using locator  3. obtain reference to JavaSpaces using registar |
| createEvent() | 1. create EventType object  2. create fixed and variable event headers  3. create variable content as Property[]  4- pass data structures to StructuredEvent constructor | 1.create Notification object instance  2.set variable attribute/value pairs invoking set() method | 1.create YanceesEvent object instance  2.set variable attribute/value pairs invoking set() methods | 1. create instance of any object implementing Entry interface  2. set public object attributes |
| createSubscription() | 1.obtain reference to filterFactory  2. obtain Filter object reference  3. set filter constraint string | 1.create Filter object instance  2. invoke addConstraint() commands | 1.create YanceesSubscription object with a subscription expression string | 1. create instance of any object implementing Entry interface  2. set public object attributes for ‘==’ match, or null for ‘\*’ match |
| publish() | 1.Obtain SupplierAdmin reference  2.obtain structured push consumer proxy object (with optional QoS)  4. invoke .push\_structured\_event(event) on the proxy | 1. obtain HierarchicalDispatcher reference  2. invoke publish() command | 1. obtain a reference to YANCEES  2. invoke publish() command | 1. obtain reference to JavaSpace  2. invoke write() command with an Entry |
| subscribe() | 1.Obtain ConsumerAdmin reference  2.obtain structured push supllier proxy object (with optional QoS)  3. Connect event supplier  4. create a filter  5. invoke add\_filter() command | 1.Obtain HierarchicalDispatcher reference  2.Create subscription  3.Invoke subscribe() command with a Notifiable interface | 1.Obtain a reference to YANCEES  2.Create subscription  3.Invoke subscribe() command with a Notifiable interface | 1. obtain reference to JavaSpace  2. invoke read(), readifExist() or notify()  With appropriate templates and listener interfaces |