

## Introduction to the Chinook Packages and External Directories

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The Chinook source code is compartmentalized into client and server side packages and a common package that address peer-to-peer functionality. There are relatively few external directories. This document will describe the Chinook packages, the external directories and some of the files that they contain.

### Chinook Packages

The following describes each of the packages that make up the Chinook source distribution.

#### Client packages

ca.bcgsc.chinook.client	--	The client classes and the non-peer-to-peer main class
comobj	--	The serialized objects the client sends to the server
gui	--	The GUI elements required to run the client (non-P2P)
gui.container	--	Deprecated panels used in non-P2P version
gui.ds	--	Contains business objects for GUI elements
gui.ds.container	--	The container objects for various parameter elements
gui.listeners	--	GUI listeners
gui.models	--	Table models and exceptions for GUI tables
gui.panels	--	Panels used for parameter and sequence entry
gui.popup	--	Popups for parameter and sequence entry tables
gui.tables	--	Parameter and sequence entry tables
gui.tables.editors	--	Table editors (parameter and sequence entry)
gui.tables.renderers	--	Table renderers (parameter and sequence entry)
local	--	The client-side application interface (to talk to the server), and job queuing and polling mechanisms
local.impl	--	The web services implementation on the client.
utils	--	Utilities for extracting metadata and loading sequences

The client packages represent the base architecture needed to run the client-server model in a non-P2P framework.

#### P2P packages

ca.bcgsc.chinook.p2p	--	The client and server classes required to run Chinook P2P
client	--	The client classes. Job and Service event management.
client.event	--	Service and Job related-events and listeners
gui	--	The GUI elements for running Chinook in P2P mode
gui.container	--	GUI Panels
gui.ds	--	Contains the business objects for GUI elements
gui.frames	--	The Report, HTML, and P2P frames

gui.listeners --| Various table and hyperlink listeners  
 gui.models --| Various table models  
 gui.popup --| The popups for Jobs and Services in the P2P architecture  
 gui.table --| Table-related classes  
 gui.table.renderers --| Table renderers  
 gui.thread --| Bandwidth and service monitoring threads  
 server --| The P2P Server classes  
 utils --| Various Chinook JXTA utils (discovery and peer groups)

These packages contain the classes sufficient to run Chinook over a P2P network.

### Server packages

ca.bcgsc.chinook.server --| The standard server classes for non-P2P operation  
 comobj --| The serialized objects that the server sends to the client  
 configuration --| The classes to read in the XML data  
 data --| The EnsEMBL connection classes  
 remote --| Remote interfaces and implementations  
 remote.impl --| The implementation of the remote interface (RMI / WSDL)  
 reporting --| Handling of report management  
 runner --| The parser classes  
 runner.alignment --| Parsing classes for alignment services  
 runner.impl --| The generic parsing class implementation, for std. reports  
 utils --| Sequence access and server management utils

The server packages represent the base architecture needed to run the client-server model in a non-P2P framework.

### **External Directories**

The following describes the external files that make up the Chinook source distribution.

project/ --| This generally describes the root directory of your Chinook distribution. It contains an RMI policy file, a readme file, an ant build file and the application.xml file that describes your services (not required if you are only running the client).

advertisements/ --| The advertisements folder contains the generic Chinook advertisements. You will need to change these when broadcasting your services. See CUD “Chinook Advertisements”.

lib/ --| The folder containing the dependency jars  
 src/ --| Contains the Chinook source code.

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