



# SENTRY

## Orders and Order Cancel Web Interface

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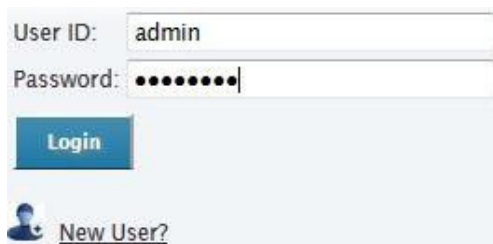
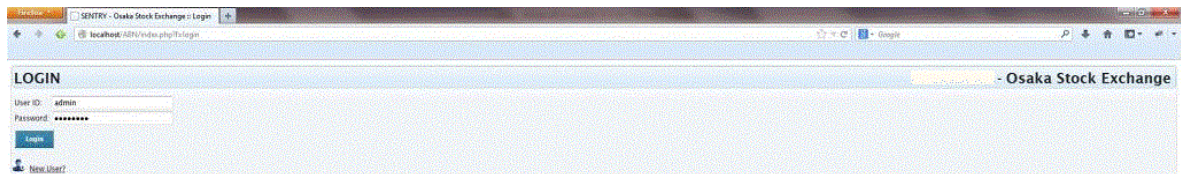
## 1. Overview

The web client has been developed as is a web interface between the user and the exchange. It provides the user with the facility to view and cancel their orders. The web client communicates with the exchange through its MCAApplication counterpart via TCP/IP sockets. This document provides a brief overview of the product.

The web client can be run on both Linux (CentOS) or Windows. The web interface can be viewed on all platforms including iOS, Android and other mobile OS. It uses PostgreSQL server (Database) and Apache HTTP server (Web). It's built using PHP, HTML, JavaScript, CSS and PostgreSQL.

## 2. Login

Users are sanctioned to access and perform various functions of the client through a Login/registration process and are authenticated against a directory service via LDAP authentication.



### 3. User Types:

The web client accommodates three types of users that are sanctioned to use and access:

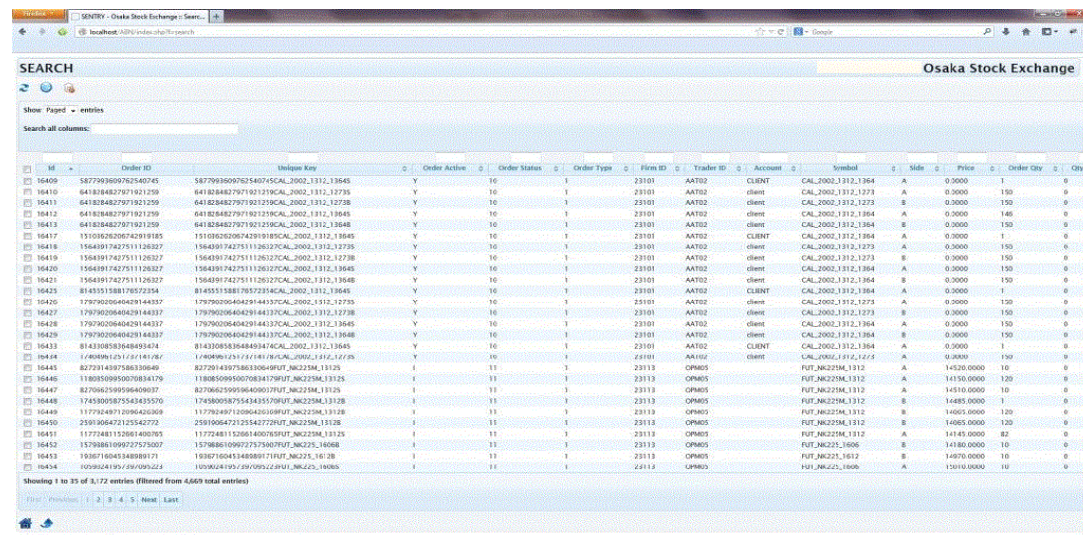
- **Basic User** (View Only User)
- **Intermediary User** (View and Cancel User)
- **Admin User** (View, Cancel and More User)



User ID	Enabled	Surname	Other Name	Email ID	Added	Last Modified	Logins	Priv	Last Ip	Last Login
admin1	Y	Admin	Admin	admin@rje.com.au	2013-12-13 10:13:23.104+11	2013-12-13 10:13:23.104+11	8	3	127.0.0.1	2013-12-13 12:24:13.335
admin1	Y	Admin1	Admin1	admin1@rje.com.au	2013-12-13 10:18:38.301+11	2013-12-13 10:18:38.301+11	1	1	127.0.0.1	2013-12-13 10:18:48.046
admin2	Y	Admin2	Admin2	admin2@rje.com.au	2013-12-13 10:17:38.916+11	2013-12-13 10:17:38.916+11	1	1	127.0.0.1	2013-12-13 10:17:48.002
admin3	Y	Admin3	Admin3	admin3@rje.com.au	2013-12-13 10:29:02.981+11	2013-12-13 10:29:02.981+11	1	1	127.0.0.1	2013-12-13 10:29:15.237
admin4	Y	Admin4	Admin4	admin4@rje.com.au	2013-12-13 10:51:25.409+11	2013-12-13 10:51:25.409+11	1	1	127.0.0.1	2013-12-13 10:51:34.879

### 4. Search

Users can search their orders and download and export the data to various formats.

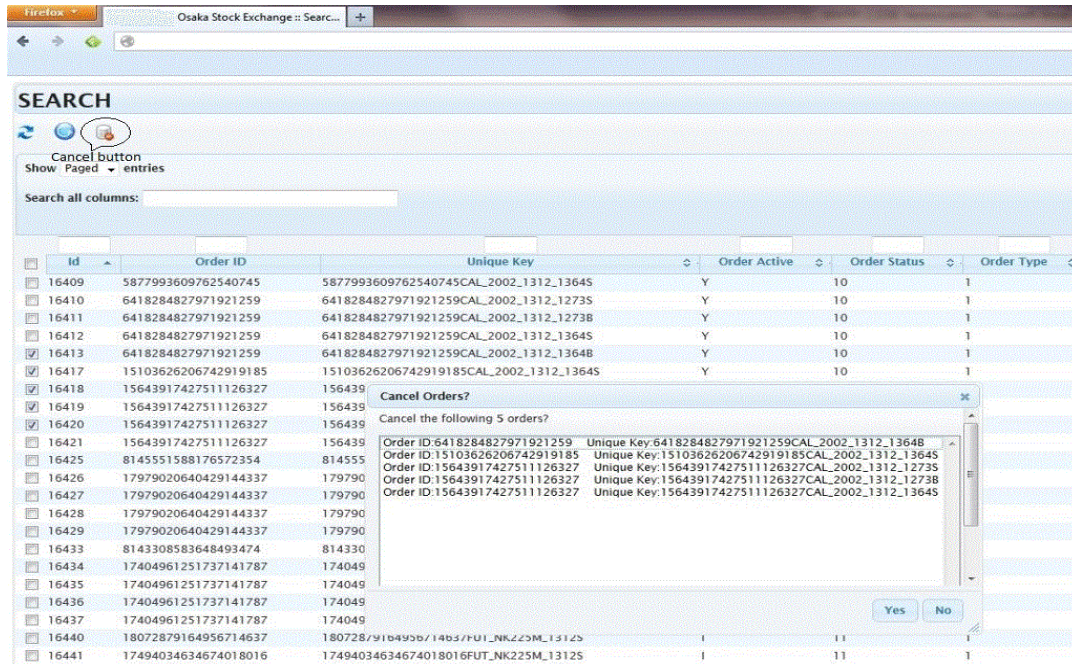


Order ID	Unique Key	Order Active	Order Status	Order Type	Firm ID	Trader ID	Account	Symbol	Side	Price	Order City	City
16409	587799369762540745	Y	16	1	23101	AAT02	CLIENT	CAL_2002_1312_1364	A	0.0000	1	0
16410	6418384827971921259	Y	16	1	23101	AAT02	client	CAL_2002_1312_1273	A	0.0000	150	0
16411	6418384827971921259	Y	16	1	23101	AAT02	client	CAL_2002_1312_1273	B	0.0000	150	0
16412	6418384827971921259	Y	16	1	23101	AAT02	client	CAL_2002_1312_1364	A	0.0000	148	0
16413	6418384827971921259	Y	16	1	23101	AAT02	client	CAL_2002_1312_1364	B	0.0000	150	0
16414	13103020206742918185	Y	16	1	23101	AAT02	CLIENT	CAL_2002_1312_1364	A	0.0000	1	0
16415	1564891742751126237	Y	16	1	23101	AAT02	client	CAL_2002_1312_1273	A	0.0000	150	0
16416	1564891742751126237	Y	16	1	23101	AAT02	client	CAL_2002_1312_1273	B	0.0000	150	0
16417	1564891742751126237	Y	16	1	23101	AAT02	client	CAL_2002_1312_1364	A	0.0000	150	0
16418	1564891742751126237	Y	16	1	23101	AAT02	client	CAL_2002_1312_1364	B	0.0000	150	0
16419	1564891742751126237	Y	16	1	23101	AAT02	client	CAL_2002_1312_1273	A	0.0000	150	0
16420	1564891742751126237	Y	16	1	23101	AAT02	client	CAL_2002_1312_1364	A	0.0000	150	0
16421	1564891742751126237	Y	16	1	23101	AAT02	client	CAL_2002_1312_1364	B	0.0000	150	0
16422	8143511588176572354	Y	16	1	23101	AAT02	CLIENT	CAL_2002_1312_1364	A	0.0000	1	0
16423	8143511588176572354	Y	16	1	23101	AAT02	client	CAL_2002_1312_1273	A	0.0000	150	0
16424	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1273	A	0.0000	150	0
16425	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1273	B	0.0000	150	0
16426	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1364	A	0.0000	150	0
16427	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1364	B	0.0000	150	0
16428	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1364	A	0.0000	150	0
16429	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1364	B	0.0000	150	0
16430	8143511588176572354	Y	16	1	23101	AAT02	CLIENT	CAL_2002_1312_1364	A	0.0000	1	0
16431	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1273	A	0.0000	150	0
16432	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1273	B	0.0000	150	0
16433	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1364	A	0.0000	150	0
16434	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1364	B	0.0000	150	0
16435	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1273	A	0.0000	150	0
16436	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1273	B	0.0000	150	0
16437	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1364	A	0.0000	150	0
16438	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1364	B	0.0000	150	0
16439	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1273	A	0.0000	150	0
16440	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1273	B	0.0000	150	0
16441	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1364	A	0.0000	150	0
16442	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1364	B	0.0000	150	0
16443	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1273	A	0.0000	150	0
16444	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1273	B	0.0000	150	0
16445	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1364	A	0.0000	150	0
16446	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1364	B	0.0000	150	0
16447	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1273	A	0.0000	150	0
16448	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1273	B	0.0000	150	0
16449	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1364	A	0.0000	150	0
16450	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1364	B	0.0000	150	0
16451	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1273	A	0.0000	150	0
16452	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1273	B	0.0000	150	0
16453	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1364	A	0.0000	150	0
16454	17979020640429144337	Y	16	1	23101	AAT02	client	CAL_2002_1312_1364	B	0.0000	150	0



## 5. Cancel Orders

Sanctioned users can select and cancel their orders.



The screenshot shows the SENTRY web interface in a Firefox browser window. The page title is "Osaka Stock Exchange :: Search...". Below the search bar, there is a table with columns: Id, Order ID, Unique Key, Order Active, Order Status, and Order Type. Several rows are selected with checkboxes. A dialog box titled "Cancel Orders?" is open, displaying a list of 5 orders to be cancelled with their respective Order IDs and Unique Keys. The dialog has "Yes" and "No" buttons at the bottom right.

Id	Order ID	Unique Key	Order Active	Order Status	Order Type
16409	5877993609762540745	5877993609762540745CAL_2002_1312_13645	Y	10	1
16410	6418284827971921259	6418284827971921259CAL_2002_1312_12735	Y	10	1
16411	6418284827971921259	6418284827971921259CAL_2002_1312_12738	Y	10	1
16412	6418284827971921259	6418284827971921259CAL_2002_1312_13645	Y	10	1
16413	6418284827971921259	6418284827971921259CAL_2002_1312_13648	Y	10	1
16417	15103626206742919185	15103626206742919185CAL_2002_1312_13645	Y	10	1
16418	15643917427511126327	15643917427511126327			
16419	15643917427511126327	15643917427511126327			
16420	15643917427511126327	15643917427511126327			
16421	15643917427511126327	15643917427511126327			
16425	8145551588176572354	8145551588176572354			
16426	17979020640429144337	17979020640429144337			
16427	17979020640429144337	17979020640429144337			
16428	17979020640429144337	17979020640429144337			
16429	17979020640429144337	17979020640429144337			
16433	8143308583648493474	8143308583648493474			
16434	17404961251737141787	17404961251737141787			
16435	17404961251737141787	17404961251737141787			
16436	17404961251737141787	17404961251737141787			
16437	17404961251737141787	17404961251737141787			
16440	18072879164956714637	18072879164956714637			
16441	17494034634674018016	17494034634674018016FUT_NK225M_13125			

## 6. History

The user can view the status of all the cancellations requested via the web client on the history page.



The screenshot shows the SENTRY web interface in a Firefox browser window. The page title is "Osaka Stock Exchange". Below the search bar, there is a table with columns: Id, Order ID, Unique Key, Status, Date, Timestamp, Remote User, Cancel Error Text, Error ID, Order Ref, Account, Symbol, Side, Firm ID, Trader ID, Customer, Country, Market, Underlying, Intergroup, and Cancel Time. The table displays several rows of cancellation records.

Id	Order ID	Unique Key	Status	Date	Timestamp	Remote User	Cancel Error Text	Error ID	Order Ref	Account	Symbol	Side	Firm ID	Trader ID	Customer	Country	Market	Underlying	Intergroup	Cancel Time	
96	1000849427380393477	1000849427380393477FUT_NK225_13125	C	2013-11-14	14:57:49.831				58		FUT_NK225_1312A		23104	TOT01						2013-11-14 03:57:50.882369	
97	11114319758341380907	11114319758341380907FUT_NK225_13125	C	2013-11-14	15:05:12.141				34		FUT_NK225_1312A		23113	OPM05						2013-11-14 04:05:12.577652	
98	1006237895567660112	1006237895567660112FUT_NK225_13128	C	2013-11-14	15:09:59.986				35		FUT_NK225_1312B		23113	OPM05						2013-11-14 04:05:10.454653	
99	208959670304801107	208959670304801107FUT_NK225_1312E	F	2013-11-14	15:09:59.258																
100	1978736491197029446	1978736491197029446FUT_NK225M_13125P	C	2013-11-14	15:11:34.320	127.0.0.1															
101	1978736491197029446	1978736491197029446FUT_NK225M_13125P	C	2013-11-14	15:11:41.252	127.0.0.1															
102	1001842086003299728		C	2013-11-14	15:47:23.263																
103	1001842086003299728		F	2013-11-14	15:48:38.756																
104	1001842086003299728		F	2013-11-14	15:49:05.478																

## 7. View Fields

Users can customize the order fields that the search page displays. The customization is per user and the 'View Fields' page provides this facility.

