### Request with expiry

|  | Quiesce the Application | | |
| --- | --- | --- | --- |
|  | ps -ef|grep -vE "firefox|browse|brave|root|NX|grep|\?"|grep -E "node|npm|tsx|mjs|ipc" > ps-ef.log  ls -l ps-ef.log && cat ps-ef.log | | |
| **Pass**: Logfile is empty; | $ pwd && ls -l ../logs/ps-ef.log && cat ../logs/ps-ef.log  /home/djorgenson/Projects/blofin-data/fcrt/2.1-cli-om/2.1.1-req-no-expiry/Documents  -rw-rw-r-- 1 djorgenson djorgenson 0 Sep  3 09:19 ../logs/ps-ef.log  $ | Pass  Fail |
| **Fail**: Logfile contains output; |

|  | Clear the Database | | |
| --- | --- | --- | --- |
|  | delete from devel.orders;  delete from devel.request;  select (select count(\*) as request from devel.request) as request,  (select count(\*) as orders from devel.orders) as orders,  (select count(\*) as vw\_orders from devel.vw\_orders) as vw\_orders,  (select count(\*) as vw\_api\_requests from devel.vw\_api\_requests) as vw\_api\_requests; | | |
| **Pass**: Database tables above are empty; |  | Pass  Fail |
| **Fail**: Database tables above remain loaded with data; |

|  | Create Baseline Workbook | | |
| --- | --- | --- | --- |
|  | npx tsx app > fcrt/2.1-cli-om/2.1.2-req-expiry/logs/app-baseline.log | | |
| **Pass**: Last two ?before=**[#]** are equal; | $ npx tsx app > fcrt/2.1-cli-om/2.1.2-req-expiry/logs/app-baseline.log  /api/v1/trade/orders-history?before=1000110431834  /api/v1/trade/orders-history?before=1000110431834  ^C  $ | Pass  Fail |
| **Fail**: Console error; failure to match; error in logfile; |
|  | Stop the application ( ctrl+c); revew logfile for errors; an error-free example is provided in the app-baseline.docx (right); | |  |
|  | select \* from devel.request order by request;  select \* from devel.orders order by request;  select \* from devel.vw\_orders order by request;  select \* from devel.vw\_api\_requests order by clientOrderId;  select (select count(\*) as request from devel.request) as request,  (select count(\*) as orders from devel.orders) as orders,  (select count(\*) as vw\_orders from devel.vw\_orders) as vw\_orders,  (select count(\*) as vw\_api\_requests from devel.vw\_api\_requests) as vw\_api\_requests; | | |
| **Pass**: All query results contain data; |  | Pass  Fail |
| **Fail**: Query results are empty (zero rows); |
|  | Copy each table/view and paste into the fcrt-baseline.xlsx workbook; Verrify counts against the db counts pulled from the prior instruction; | | |
| **Pass**: All counts equal the results of db query in (vi); |  | Pass  Fail |
| **Fail**: One or more counts do not match db query in (vi); |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Place CLI Request | | | |
|  | Configure the requests.ts file:   * 1. symbol shall be in trade\_status ‘**Enabled**’[[1]](#footnote-0);   2. ensure values *position*and *action* are congruent: **[short:sell]** or **[long:buy]**;   3. set out-of-market price at least a minimum of 10%;   4. set *size* and *leverage* values not to exceed margin requirements;   5. set the expiry time to a value no more than 5m;   6. save the file; | | //-- Test 1a: request w/ expiry; w/o tpsl  export const req\_fcrt\_1a: Partial<IRequest> = {  symbol: "XRP-USDT",  margin\_mode: "cross",  position: "short",  action: "sell",  order\_type: "limit",  price: 3.5,  size: 100,  leverage: 50,  expiry\_time: setExpiry("5m"),  }; | |
|  | npx tsx fcrt/2.1-cli-om/2.1.2-req-expiry/test/fcrt-cs-1a.ts $account 1a > fcrt/2.1-cli-om/2.1.2-req-expiry/logs/fcrt-cs-1a.log | | | |
| **Pass**: Logfile reports ‘*Request submitted*’; | Test 1a: Request submitted, check db for results. <Buffer 00 63 18 e0 ae 39> | | Pass  Fail |
| **Fail**: Logfile or console reports error(s); |

|  | Create Response Workbook | | |
| --- | --- | --- | --- |
|  | Save workbook baseline.xlsx (right) to ./2.1.2-req-expiry/Documents/fcrt-cs-1a.xlsx; | |  |
|  | select \* from devel.request order by request;  select \* from devel.orders order by request;  select \* from devel.vw\_orders order by request;  select \* from devel.vw\_api\_requests order by clientOrderId;  select (select count(\*) as request from devel.request) as request,  (select count(\*) as orders from devel.orders) as orders,  (select count(\*) as vw\_orders from devel.vw\_orders) as vw\_orders,  (select count(\*) as vw\_api\_requests from devel.vw\_api\_requests) as vw\_api\_requests; | | |
| **Pass**: All query results contain data; |  | Pass  Fail |
| **Fail**: Query results are empty; |
|  | Copy each table/view and paste into the fcrt workbook; save the workbook; | | |
| **Pass**: All counts equal the results of db query in (xi); |  | Pass  Fail |
| **Fail**: One or more counts do not match db query in (xi); |

|  | Run Comparison and Create Diff Report | | |
| --- | --- | --- | --- |
|  | comp fcrt-cs-1a fcrt-baseline | | |
| **Pass**: Shows +1 update and +3 inserts; |  | Pass  Fail |
| **Fail**: No difference; insert data mismatch; or other error; |
|  | Save the diff file as fcrt-cs-1a.diff; | | |

|  | Process Request With Elapsed Expiry | | |
| --- | --- | --- | --- |
|  | Save workbook baseline.xlsx (right) to ./2.1.2-req-expiry/Documents/fcrt-cs-1b.xlsx;  **\*\*\* Pause** for the request expiry time to elapse before proceeding. | |  |
|  | npx tsx app > fcrt/2.1-cli-om/2.1.2-req-expiry/logs/app-fcrt-cs-1a.log | | |
| **Pass**: Last two ?before=**[#]** are equal; | $ npx tsx app > fcrt/2.1-cli-om/2.1.2-req-expiry/logs/app-fcrt-cs-1a.log  /api/v1/trade/orders-history?before=1000110488215  /api/v1/trade/orders-history?before=1000110488215  ^C  $ | Pass  Fail |
| **Fail**: Console error or failure to match; |
|  | Stop the application ( ctrl+c ); review logfile for errors; | |  |
|  | select \* from devel.request order by request;  select \* from devel.orders order by request;  select \* from devel.vw\_orders order by request;  select \* from devel.vw\_api\_requests order by clientOrderId;  select (select count(\*) as request from devel.request) as request,  (select count(\*) as orders from devel.orders) as orders,  (select count(\*) as vw\_orders from devel.vw\_orders) as vw\_orders,  (select count(\*) as vw\_api\_requests from devel.vw\_api\_requests) as vw\_api\_requests; | | |
| **Pass**: All query results contain data; |  | Pass  Fail |
| **Fail**: Query results are empty; |
|  | Copy each table/view and paste into the fcrt-cs-1b.xlsx workbook; | |  |
| **Pass**: All counts equal the results of db query in (xviii); |  | Pass  Fail |
| **Fail**: One or more counts do not match db query in (xviii); |
|  | Verify that no order was placed on the Blofin console; | | |
| **Pass**: The console shows no open orders; |  | Pass  Fail |
| **Fail**: Blofin shows an open order with details matching the request submitted; |

|  | Run Comparison and Create Diff Report | | |
| --- | --- | --- | --- |
|  | comp fcrt-cs-1b fcrt-cs-1a | | |
| **Pass**: Memo and status fields report [Expired]; |  | Pass  Fail |
| **Fail**: There are no differences or [Expired] status; |
|  | Save the diff file as fcrt-cs-1b.diff; | | |

|  | Process Rejected Request With Elapsed Expiry | | |
| --- | --- | --- | --- |
|  | # Set the previously expired request to “Rejected”  update devel.request r  join devel.state s on (s.state = r.state)  join devel.state rs on (rs.status = 'Rejected')  set r.state = rs.state  where s.status = 'Expired';  select \* from devel.vw\_orders where status='Rejected'; | | |
| **Pass**: One row updated; One row retrieved; |  | Pass  Fail |
| **Fail**: No rows or more than 1 rows updated; or error; |
|  | npx tsx app > fcrt/2.1-cli-om/2.1.2-req-expiry/logs/app-fcrt-cs-1b.log | | |
| **Pass**: Last two ?before=**[#]** are equal; | $ npx tsx app > fcrt/2.1-cli-om/2.1.2-req-expiry/logs/app-fcrt-cs-1b.log  /api/v1/trade/orders-history?before=1000113283656  /api/v1/trade/orders-history?before=1000113283656  ^C  $ | Pass  Fail |
| **Fail**: Console error or failure to match; |
|  | Stop the application ( ctrl+c ); review logfile for errors; | |  |
|  | select \* from devel.vw\_orders where status='Rejected'; | | |
| **Pass**: No rows returned; |  | Pass  Fail |
| **Fail**: Rows with data reporting ‘Rejected’ state returned; |

|  | Create Response Workbooks | |
| --- | --- | --- |
|  | **Attention:** Steps outlined in the following sections are time sensitive. Database comparisons are not executed until after the setups are successfully completed thus providing time for time sensitive data capture; from the moment the request is submitted, be cognizant of the time and execute these steps in an orderly fashion. | |
|  | Create and open workbooks below from baseline.xlsx (right); leave open for the duration of this test.  **Baseline**: ./2.1.2-req-expiry/Documents/fcrt-cs-2a.xlsx;  **Pending**: ./2.1.2-req-expiry/Documents/fcrt-cs-2b.xlsx;  **Expired**: ./2.1.2-req-expiry/Documents/fcrt-cs-2c.xlsx; |  |

|  | Place Time-Sensitive CLI Request | | | |
| --- | --- | --- | --- | --- |
|  | Configure the requests.ts file:   * 1. symbol shall be in trade\_status ‘**Enabled**’[[2]](#footnote-1);   2. ensure values *position*and *action* are congruent: **[short:sell]** or **[long:buy]**;   3. set out-of-market price at least a minimum of 10%;   4. set *size* and *leverage* values not to exceed margin requirements;   5. set the expiry time to a value no more than 5m;   6. save the file; | | //-- Test 1a: request w/ expiry; w/o tpsl  export const req\_fcrt\_1a: Partial<IRequest> = {  symbol: "XRP-USDT",  margin\_mode: "cross",  position: "short",  action: "sell",  order\_type: "limit",  price: 3.5,  size: 100,  leverage: 50,  expiry\_time: setExpiry("5m"),  }; | |
|  | npx tsx fcrt/2.1-cli-om/2.1.2-req-expiry/test/fcrt-cs-1a.ts $account 2a > fcrt/2.1-cli-om/2.1.2-req-expiry/logs/fcrt-cs-2a.log | | | |
| **Pass**: Logfile reports ‘*Request submitted*’; | Test 2a: Request submitted, check db for results. <Buffer 00 63 18 e0 ae 39> | | Pass  Fail |
| **Fail**: Logfile or console reports error(s); |

|  | **Baseline**: Capture data immediately **before** expiry | | | | |
| --- | --- | --- | --- | --- | --- |
|  | select \* from devel.request order by request;  select \* from devel.orders order by request;  select \* from devel.vw\_orders order by request;  select \* from devel.vw\_api\_requests order by clientOrderId;  select (select count(\*) as request from devel.request) as request,  (select count(\*) as orders from devel.orders) as orders,  (select count(\*) as vw\_orders from devel.vw\_orders) as vw\_orders,  (select count(\*) as vw\_api\_requests from devel.vw\_api\_requests) as vw\_api\_requests; | | | | |
| **Pass**: All query results contain data; | |  | Pass  Fail | |
| **Fail**: Query results are empty; | |
|  | Copy each table/view and paste into the fcrt workbook; save the workbook; | | | | |
| **Pass**: All counts equal the results of db query in (xxx); |  | | | Pass  Fail |
| **Fail**: One or more counts do not match db query in (xxx); |

|  | | | **Pending**: Start the app; ensure the app remains running until the end of this protocol | | |
| --- | --- | --- | --- | --- | --- |
|  | | | npx tsx app > fcrt/2.1-cli-om/2.1.2-req-expiry/logs/app-fcrt-cs-2a.log | | | |
|  | | | Proceed only after successfully completing one (1) trade cycle; | | $ npx tsx app > fcrt/2.1-cli-om/2.1.2-req-expiry/logs/app-fcrt-cs-2a.log  /api/v1/trade/orders-history?before=0 | |
|  | | | select \* from devel.request order by request;  select \* from devel.orders order by request;  select \* from devel.vw\_orders order by request;  select \* from devel.vw\_api\_requests order by clientOrderId;  select (select count(\*) as request from devel.request) as request,  (select count(\*) as orders from devel.orders) as orders,  (select count(\*) as vw\_orders from devel.vw\_orders) as vw\_orders,  (select count(\*) as vw\_api\_requests from devel.vw\_api\_requests) as vw\_api\_requests; | | |
| **Pass**: All query results contain data; |  | Pass  Fail |
| **Fail**: Query results are empty; |
|  | | Copy each table/view and paste into fcrt workbook [fcrt-cs-2b.xlsx]; save the workbook; | | | | |
| **Pass**: All counts equal the results of db query in (xxxiv); | | |  | Pass  Fail |
| **Fail**: One or more counts do not match db query in (xxxiv); | | |

|  | | **Expired**: Complete the data collection | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | Monitor app until one of the following two conditions occurs; | | | | | | | |
| **Pass**: Last two ?before=**[#]** are equal; | | $ npx tsx app > fcrt/2.1-cli-om/2.1.2-req-expiry/logs/app-fcrt-cs-1b.log  /api/v1/trade/orders-history?before=1000113283656  /api/v1/trade/orders-history?before=1000113283656  ^C  $ | | | Pass  Fail | | |
| **Fail**: Console error or failure to match; | |
|  | | Stop the application ( ctrl+c ); review logfile for errors; | | | | |  | | |
|  | | select \* from devel.request order by request;  select \* from devel.orders order by request;  select \* from devel.vw\_orders order by request;  select \* from devel.vw\_api\_requests order by clientOrderId;  select (select count(\*) as request from devel.request) as request,  (select count(\*) as orders from devel.orders) as orders,  (select count(\*) as vw\_orders from devel.vw\_orders) as vw\_orders,  (select count(\*) as vw\_api\_requests from devel.vw\_api\_requests) as vw\_api\_requests; | | | | | | | |
| **Pass**: All query results contain data; | |  | | | | Pass  Fail | |
| **Fail**: Query results are empty; | |
|  | | Copy each table/view and paste into fcrt workbook [fcrt-cs-2c.xlsx]; save the workbook; | | | | | | | |
| **Pass**: All counts equal the results of db query in (xxxviii); | | | |  | | Pass  Fail | |
| **Fail**: One or more counts do not match db query in (xxxviii); | | | |

|  | Complete comparisons and diff reports | | |
| --- | --- | --- | --- |
|  | comp fcrt-cs-2a fcrt-cs-1b | | |
| **Pass**: +1 change: [rowcount];  +3 changes: [Reject->Expired];  +3 Inserts: [Queued]; |  | Pass  Fail |
| **Fail**: There are no differences or [Expired/Queued] status; |
|  | Save the diff file as fcrt-cs-2a.diff; | | |
|  | comp fcrt-cs-2b fcrt-cs-2a | | |
| **Pass**: +1 change [rowcount];  +3 updates [Queued->Pending];  +1 insert [Orders]; |  | Pass  Fail |
| **Fail**: There are no differences or [Pending] status; |
|  | Save the diff file as fcrt-cs-2b.diff; | | |
|  | comp fcrt-cs-2c fcrt-cs-2b | | |
| **Pass**: +4 updates: [Pending->Closed]; |  | Pass  Fail |
| **Fail**: There are no differences or order remains [Pending]; |
|  | Save the diff file as fcrt-cs-2c.diff; | | |

1. **Enabled Instruments**: select \* from devel.vw\_auth\_trade\_instruments vati where vati.auto\_status = 'Enabled'; [↑](#footnote-ref-0)
2. **Enabled Instruments**: select \* from devel.vw\_auth\_trade\_instruments vati where vati.auto\_status = 'Enabled'; [↑](#footnote-ref-1)