



A Higher Education Business Solution Provider

# POSCONNECT AJAX VIRTUAL REGISTER



Customer Lookup **Balance Inquiry** Purchase/Refund

Customer ID

IP Address	Port
localhost	57401

Transaction Time **0.422 seconds**

FUND SOURCES				
Fund Source ID	Limit Amount	Taxable?	Priority	Total Amount
ARBAL*01*	305.39	Y	100	305.39

SOURCE CATEGORIES			
Fund Source ID	Category Name	Limit Amount	Percentage Available
ARBAL*01*	BOOKS	305.39	100

```

RAW XML
<?xml version="1.0" encoding="UTF-8"?><TCSPSTransaction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TCSPSTransaction"><TCSPSTResponse><AccountInquiryResponse
requestCode="INQ"><AccountID>0000791</AccountID><FundSourceList><FundSource><FundSourceID>ARBAL*01*</FundSou
rceID><SourceLimitAmount>305.39</SourceLimitAmount><SourceTaxableFlag>Y</SourceTaxableFlag><SourcePriority>100</Sou
rcePriority><SourceAmountTotal>305.39</SourceAmountTotal><SourceCategoryList><SourceCategory><CategoryName>BOOKS
</CategoryName><LimitAmount>305.39</LimitAmount><Percentage>10000</Percentage></SourceCategory></SourceCategoryLi
st></FundSource></FundSourceList></AccountInquiryResponse></TCSPSTResponse></TCSPSTransaction>

```

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**Contact us:**

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## General Information

The POSConnect AJAX Virtual Register (AKA TestClient) is a set of HTML pages with Javascript, using the JQuery library to send transactions to the POSConnect listener. It then parses the results and displays them on the screen.

Due to AJAX cross-site scripting security restrictions, the HTML test client cannot connect directly to the POSConnect listeners. They post to a JSP page which posts to the POSConnect listener. Therefore, the transaction time will be longer than from the actual Physical Register which is directly connected to the POSConnect listener. The JSP page contains the port and the address of the listener that it will connect to. It sends the XML that it receives to the POSConnect listener, and passes the results back.

## Test Drive Virtual Register

To trial run Virtual Register against the POSConnect test listener running on the PSS Red Hat server click on <http://199.15.251.59/posconnectVR>.

It supports three transaction types:

- Person Lookup
- Balance inquiry
- Purchase

For the Lookup, simply enter the Student ID "0000791", with or without leading zeroes.

For Purchase, enter the same Fund source that you receive from the Inquiry, make sure the date falls within 2009, (i.e. the term is 2009/WI).

## Change Default Target IP and Port

The POSConnect Virtual Register is configured to send transactions to a default port and host, but this can also be overridden on a per-transaction basis by changing the IP/Port fields on the transaction pages. To change the default values for IP and Port, modify the defaults.js file in the POSConnectVR web application directory.

## Install POSConnect Virtual Register on your own Application Server

To connect to your POSConnect installation behind a firewall and/or to set up your own security options, you can install the POSConnect Virtual Register on your own application server such as Tomcat.

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To install POSConnect Virtual Register, please contact PSS to receive the VR package in zip format or download from our website [www.POSConnect.net](http://www.POSConnect.net) . The installer package contains everything that is needed to run the virtual register.

### Installation and Configuration

- Extract the zip file download contents underneath the Web Application root directory (webapps in Tomcat), preferably under a directory named "POSConnectVR"
- Edit the defaults.js file to change the default IP and the Port that the Virtual Register should connect to. It can be edited using any text editor.
- The default POSConnect Virtual Register install package contains a web.xml file inside its WEB-INF directory that only permits the "POSConnectVR" user to access the virtual register. This user should be created inside the Application Server's users file, such as tomcat-users.xml in order to password protect the Virtual Register.
- If the POSConnect Virtual Register needs to be made available to everyone without a password, rename the unsecureweb.xml file inside the WEB-INF directory to web.xml.
- After all the files have been copied, open up your web browser and point to the appropriate directory it's been installed on the Application Server.

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