

# UNIX ADMINISTRATION GUIDE

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# POS Connect

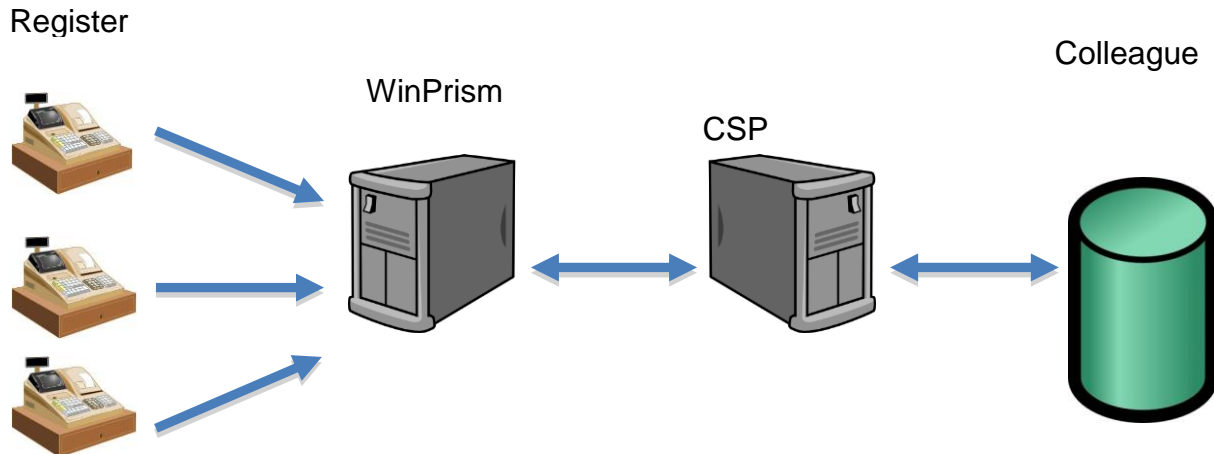
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# POS Connect

## 1. OVERVIEW

POSConnect enables College bookstore point of sale (POS) systems to interface with Colleague. The bookstore POS systems (registers) are all connected via network to a central server running software called WinPrism. WinPrism translates handles sending the requests to CSP listeners running on the Colleague server. Multiple CSP listeners run on the Colleague server, each listening on a different inbound TCP port.



## 2. POSCONNECT LISTENER ADMINISTRATION UNDER UNIX

The POSConnect listener resides in the POSConnect home directory on the application server. The default location for the POSConnect home directory is `/datatel/services/POSConnect` by default but it could be any directory.

Inside the POSConnect home directory, each listener instance has its own directory for storing the listener configuration only. These directories are named `POSConnect_R18Live_01` for the first listener on the live system, `POSConnect_R18Live_02` for the second listener on the live system, etc.

### 2.1. Starting all POSConnect Listeners

- Log in to the operating system using the listener administrative login. This login should be used to perform maintenance on the listener, and it should be the owner of the POSConnect home directory, and all of its subdirectories.
- At the operating system prompt, change the directory to:  
`/datatel/services/POSConnect/scripts`
- Type the following:  
`./PCT.live.start` (or `./PCT.test.start` if on the test system)
- This will start all POSConnect listener instances, but it won't start any listener that is still running. It will report on the status of all listeners and whether they were started or they were already running.

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## 2.2. Starting a Specific POSConnect Listener

- Log in to the operating system using the listener administrative login. This login should be used to perform maintenance on the listener, and it should be the owner of the POSConnect home directory, and all of its subdirectories.
- At the operating system prompt, change the directory to:  
`/datatel/services/POSConnect/scripts`
- Type the following:  
`./PCT.live.start <listener number>` (or `./PCT.test.start <listener number>` if on the test system)
- This will start a specific listener instance. It won't start the specific listener instance if that instance is already running.

## 2.3. Stopping All POSConnect Listeners

The POSConnect listener stops itself by starting a separate client process that sends a shutdown request to the POSConnect listener. This allows the server to complete processing of any requests in the queue before the shutdown request, then shutdown gracefully, in an attempt to guarantee that no requests are interrupted when the listener is shut down.

Use the following procedure to stop the POSConnect Listener:

- Log in to the operating system using the listener administrative login. This login should be used to perform maintenance on the listener, and it should be the owner of the POSConnect home directory, and all of its subdirectories.
- At the operating system prompt, change the directory to:  
`/datatel/services/POSConnect/scripts`
- Type the following:  
`./PCT.live.stop` (or `./PCT.test.stop` if on the test system)
- This will stop all POSConnect listener instances, if they are still running. It cannot obviously stop a listener that wasn't running in the first place.

## 2.4. Stopping a Specific POSConnect Listener

- Log in to the operating system using the listener administrative login. This login should be used to perform maintenance on the listener, and it should be the owner of the POSConnect home directory, and all of its subdirectories.
- At the operating system prompt, change the directory to:  
`/datatel/services/POSConnect/scripts`
- Type the following:  
`./PCT.live.stop <listener number>` (or `./PCT.test.stop <listener number>` if on the test system)
- This will stop a specific listener instance. It won't stop the specific listener instance if that instance isn't running.

## 2.5. Restarting All POSConnect Listeners

The POSConnect restart script calls the stop script, waits for 30 seconds, and calls the start script. It does not contain any other logic or code than this simple process. To restart all listeners:

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- Log in to the operating system using the listener administrative login. This login should be used to perform maintenance on the listener, and it should be the owner of the POSConnect home directory, and all of its subdirectories.
- At the operating system prompt, change the directory to:  
`/datatel/services/POSConnect/scripts`
- Type the following:  
`./PCT.live.restart` (or `./PCT.test.restart` if on the test system)
- This will stop all POSConnect listener instances, provided that they're running. Then it will wait for 30 seconds and then start all listener instances.

## 2.6. Restarting a Specific POSConnect Listener

The POSConnect restart script calls the stop script, waits for 30 seconds, and calls the start script. It does not contain any other logic or code than this simple process. To restart all listeners:

- Log in to the operating system using the listener administrative login. This login should be used to perform maintenance on the listener, and it should be the owner of the POSConnect home directory, and all of its subdirectories.
- At the operating system prompt, change the directory to:  
`/datatel/services/POSConnect/scripts`
- Type the following:  
`./PCT.live.restart <listener number>` (or `./PCT.test.restart <listener number>` if on the test system)
- This will stop the specified POSConnect listener instances, provided that it's running. Then it will wait for 30 seconds and then start the same listener instance.

## 2.7. Checking the Status of the POSConnect Listeners

The following checks provide clues as to whether or not the POSConnect listener is running. If you want to be sure that it is running, start it as described in section 2.1, and then send a transaction through and see if it is successful. If you want to be sure that it is not running, stop it as described in section 2.3. To obtain further information on the status of a specific POSConnect listener, you can either check the `POSConnect.pid` file or review the log files.

### 2.7.1. Automatic check

You can check the statuses of all CSP listeners with a simple command without having to check each listener separately. Use the following procedure to check the statuses of all POSConnect listeners:

- Log in to the operating system using the listener administrative login. This login should be used to perform maintenance on the listener, and it should be the owner of the POSConnect home directory, and all of its subdirectories.
- At the operating system prompt, change the directory to:  
`/datatel/services/POSConnect/scripts`
- Type the following:  
`./PCT.live.status` (or `./PCT.test.status` if on the test system)

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- This will display the statuses of each POSConnect listener on the screen and will also summarize how many listeners are running out of all the installed listeners.

## 2.7.2. Reviewing the Log File

Review the `POSConnect.log` file, which is located in the `logs` directory inside the POSConnect listener instance home directory for each account, for log messages that indicate the status of the POSConnect listener. The full path for the logs directory is:

```
/datatel/services/POSConnect/logs/
```

To view the most recent messages in the log file for live listener 1, enter the following command after changing to the logs directory:

```
tail POSConnect_R18Live_01.log
```

If the listener has started successfully, you will see information like that shown below:

```
$ tail POSConnect.log
2004-08-06 10:52:42,526 INFO [main] HTTPServer.HTTPServer
(HTTPServer.java:1266) - In listenForConnections(ServerSocket): At
top of listen loop, waiting for a client connection.
```

If the last message in the log file is “*At top of listen loop, waiting for a client connection,*” then everything is working correctly and the POSConnect listener has been successfully started and it is waiting for an incoming request.