



Interface Development Kit (IDK)

OdysseyPCS™

Real-Time Administrative Interface Development Kit

The Real-Time IDK is the choice for organizations that want to manage Odyssey PCS patron accounts in real-time through an interface to another system or through a web site.

The Real-Time Administrative IDK contains DTP, plus several additional tools that provide maximum flexibility to manage patron accounts.

File-Based & Real-Time Kits provide the ability to:

- Add patrons
- Maintain plan accounts, including Plan assignments
Adjusting balances (including add-to-balance)
- Maintain card numbers
- Maintain activity eligibility, including Activity group assignments
Activity account balances

For Healthcare Facilities

What Are Administrative Interface Development Kits?

The Odyssey PCS™ Administrative Interface Development kits (IDK) were designed to provide tools to automate the management of Odyssey PCS patron accounts with information from other systems developed and/or maintained by the customer.

CBORD offers two Interface Development Kits:

- File-Based IDK
- Real-Time IDK

Managing patron biographical information, such as names and addresses, is handled by delimited files or the Universal Download File (UDF) specification, provided as standard features with Odyssey PCS.

File-Based Administrative Interface Development Kit

File-Based is an excellent tool for organizations that want a powerful, yet simple method to manage Odyssey PCS patron accounts via batch transactions.

The File-Based Administrative IDK contains the Direct Transaction Processing (DTP) for Administrative Transactions interface.

Direct Transaction Processing for Administrative Transactions

The Direct Transaction Processing (DTP) interface is the simplest interface to implement because there is no communications programming required. DTP provides a definition for a flat text file where each line of the file is a transaction to be processed.

The Real-Time IDK includes:

- **Direct Transaction Processing (DTP)**
- **Serial Universal Interface**
- **TCP/IP Universal Interface**
- **Transaction API**
- **Web API**

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The file, which may contain one or more records, can be created on an external system and transferred to an Odyssey PCS workstation. The Odyssey PCS workstation periodically checks for the DTP file and, if found, initiates processing. DTP does not provide a response or acknowledgment to the source system after processing the file.

Serial Universal Interface

The Serial Universal Interface is an online interface between Odyssey PCS and an external system. All transactions and responses are processed in real time. This gives you the capability, for instance, to develop an application that verifies the Odyssey PCS response and, if necessary, performs additional functions on the source system, such as end-user notification.

The connection between the two systems is via a serial port on each system and uses either an Odyssey PCS FlexCom or an XFEP port. The interface defines a communication protocol to be used for the serial connection and a message content format for the transactions. The interface requires a good understanding of serial communications and creation of a communications application on the external system.

TCP/IP Universal Interface

The TCP/IP Universal Interface is an online interface between Odyssey PCS and an external system. All transactions and responses are processed in real time. This gives you the capability, for instance, to develop an application that verifies the Odyssey PCS response and, if necessary, performs additional functions on the source system, such as end-user notification.

The connection between the two systems is via a TCP/IP socket on each system and is managed by the VFEP service on the Odyssey PCS server. The interface defines a communication protocol to be used for the socket-based connection and a message content format for the transactions. The interface requires a good understanding of socket-based TCP/IP communications and creation of a communications application on the external system.

Transaction API

The Transaction API is an online interface between Odyssey PCS and an external system. All transactions and responses are processed in real time. This gives you the capability, for instance, to develop an application that verifies the Odyssey PCS response and, if necessary, performs additional functions on the source system, such as end-user notification.

The connection between the two systems is via DCOM and is managed by an MTS/COM+ server application on the Odyssey PCS server. The interface defines a communication protocol to be used for the DCOM connection and a message content format for the transactions. The interface requires a good understanding of COM/DCOM-based communications and creation of a communications application on the external system. Please note that DCOM does not support operation through an address translation firewall (NAT).

Web API

The Odyssey Web API is an online interface similar to the Transaction API, but targeted primarily at connections between Odyssey PCS and a web server. The Web API provides account balance and transaction history information in real time. It is the only tool in the IDK that provides access to patron transaction history.

Sample Microsoft® ASP documents are provided as templates for creating your own web pages, but this API is not limited to Microsoft ASP. It can be called from any programming language that supports use of COM objects.

The connection between the two systems is via DCOM and is managed by an MTS/COM+ server application on the Odyssey PCS server. The interface defines a communication protocol to be used for the DCOM connection and a message content format for the transactions. The interface requires a good understanding of COM/DCOM-based communications and ASP. Please note that DCOM does not support operation through an address translation firewall (NAT).

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