P-2
from
# Suddensource

P-2 is a mature and robust Windows Supply Chain application.

Designed to be enterprise-class purchasing software for local government and large organisations such as universities, P-2 has now found a different niche in the market. It is in use by many small to medium enterprises as a supply chain solution in the B2B environment, allowing them to take control of their purchase and sales orders, goods receipts and despatches, stock levels and locations, and invoicing, like any large organisation.
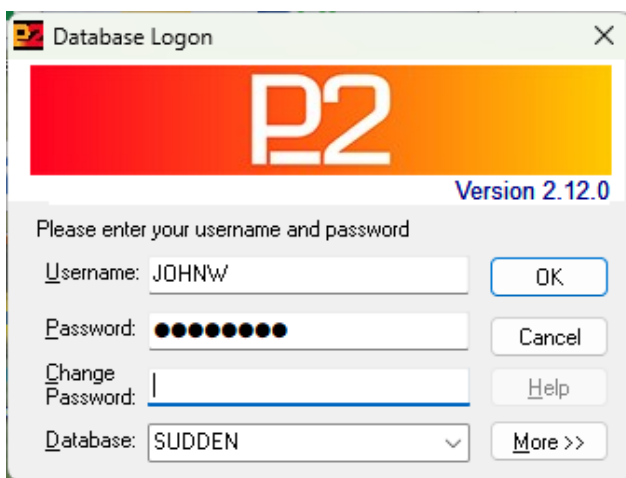
There are two versions of P-2:

- **Standalone**, containing all its own master files such as customers, suppliers, addresses stock locations and currencies.

- **Dream**, which shares all its master data with the Dream financial system (by Unit4) or PS Financials (by Iris). The "Dream" version can also integrate in a very similar way with PS Financials.

The "Dream" version also allows users to post financial and stock transactions to the Dream (or PSF) database using the accounting system's own APIs.

P-2 gives control of orders, stock and invoicing, giving control over what SMEs spend their money on and it provides a permanent record of every business transaction.

P-2 can be implemented very quickly. All that is needed to get going is a system champion to administer the program and set up the infrastructure, and three lists: (i) customers, (ii) suppliers, and (iii) all the items to buy, stock and sell, with the company's own part codes for them.

P-2 can be implemented with whatever level of security suits the organisation, e.g., just with administrators and users groups, with a couple of users in each, or with different security for many users in different groups, such as sales order processors, purchase requisitioners, buyers, storekeepers, accounts staff and management.

P-2 data is stored in a Microsoft SQL Server database. In a small company with a low number of transactions, the database can be held on SQL Express, though we generally recommend that the standard edition of SQL Server is used to receive the benefits of using the management and maintenance tools which come with it. Over the life of a project like this, the cost of SQL Server is relatively small.

It isn't necessary to have your own infrastructure to run P-2. We can host your database in the cloud and you can log on to our cloud-based servers using your own Internet connection, to run the program. All your data will live on the cloud, and will be backed up by our server hosting partner.

If you don't have someone who can administer the program, we can do that for you. We could add system users, customers and suppliers to the system, update VAT and financial periods, add cost codes, and so forth.

<u>Philosophy</u>

P-2 is built based on the 'unified ledger' principle, as used in many of the more modern financial systems. Under this principle, every transaction is processed on its own, not as part of a batch. P-2 extends this principle so that each transaction represents a piece of paper which passes into or out of your organisation.

Orders received (sales orders) are generated by customers, and P-2 records them. Invoices sent to customers (sales invoices) can be generated, recorded and printed by P-2. All documents (advice notes or stock issue requests, for example) work the same way— other companies' documents are recorded and in-house documents can be generated and printed. P-2 has been designed to represent the reality of a company's trading activities.

P-2 can record lots of different types of transaction, although most users can run their business on just the regular ones. For example, on the sales side there are sales orders, despatches and sales invoices. On the purchasing side there are requisitions, purchase orders, GRNs, purchase invoices and debit notes. Stock transactions include internal issues and returns—where goods are taken from stock for internal use (or returned to stock), external stock issues and returns—where goods are sent to or returned from customers or suppliers without using the sales or despatch processes, stock transfers—where goods are moved from one location to another, and stock takes—where stock is counted.

Stock transactions are recorded for all stock issues and returns. Every movement in or out is recorded against its location with a timestamp, so that accurate balances are maintained for each item at each location.

Each transaction consists of a document, which is the 'header' containing delivery and invoice address, customer or supplier name, terms, delivery date and so forth. Each document contains one or more items—the items that are bought or sold, each having its own description, price, line delivery date and so on. Each document and item has many more fields than are generally available on finance systems, so data can be reported on in many more ways than if the invoices were raised in a finance system or spreadsheet.

Many customers now make use of additional bespoke database tables which we can add into the database and into the program at a very reasonable cost.
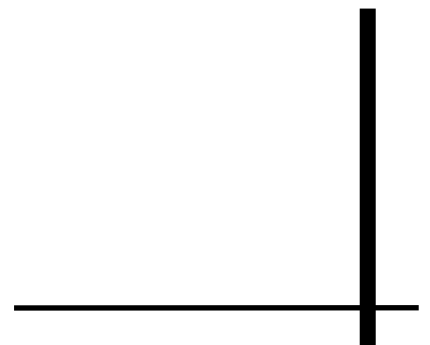
P-2
from
Suddensource

Product Set

P-2 started out as a single Windows program. It now comprises:

- P-2, the original program which deals with master file maintenance, system administration and does all the standard transaction processing with all options;

- P-Ex, a downloadable self-updating product which does all the standard transaction processing but with a lightweight .NET connection to the server, plus all the system administration;

- P-2 Database Manager, which administrators use to apply database updates;

- P-Ex Automation, which can be used to post financial documents to your finance system, import orders and invoices from other systems in XML or CSV formats, and can also do other many other imports or updates, such as importing SecPay data to Dream or exporting data to other systems as XML;

- P-Ex DataMining, an Excel Add-in, which enables reports direct to Excel from both P-Ex and Dream/PS Financials, upload new master data and carry out complex transaction processing tasks;

- P-Ex Hospitality, which allows users to create requests to purchase items or take them from stock.

- Coming soon: P-Ex Cloud...

Modules

P-2 and P-Ex share the following licence modules:

- Purchase requisitioning and ordering
- Purchase receiving and returns
- Invoice matching (purchase invoicing)
- Sales order processing
- Sales despatching and returns
- Sales invoicing
- P-Ex DataMining Excel reporting tools
- Stock control (inc. issues and receipts)
- Dynamic or standard kitting (sales bundles)
- Accruals (valuing goods received not invoiced or orders placed not received)
- Intrastat
- Works orders
- XML orders/invoices
- Credit management

Features

Headline features of P-2/P-Ex are:

- Sales and purchase contracts
- Customer and supplier price lists
- Customer and supplier linked items
- A simple retail sales screen
- Stock management (stock visibility tools)
- On-screen enquiries
- Document viewer
- Matrix sales and purchase orders which allow processing by size and colour
- Finishing (plating) purchase orders
- Bulk invoicing
- Repeat invoicing
- Multi-company
- Multi-currency
- Multi-location
- Multi-ledger
- Unified ledger

P-2
from
Suddensource

Licensing

P-2 is licensed by server, by module and by user. P-Ex is licensed in a similar manner, except where bespoke functionality is its main use. P-Ex DataMining is licensed by a single purchase. P-Ex Automation is licensed by a single purchase, and comes with one function pre-configured.

System Requirements

The system requirements for P-Ex and its related programs can be found on our website.

Case Studies

We have produced a number of White Papers which describe in much more detail the way P-Ex has been implemented to achieve certain ends. They include:

- Using P-Ex as the back-office for a web ordering system
- Using P-Ex to determine the parts required to make up a product/selling bundled products
- Using P-Ex to send invoices in multiple formats
- Using P-Ex to purchase back to back for sales orders
- Specialised invoicing
- Retail sales
- System automation
- Data import
- Works orders

2023 note: these are in the process of being re-written

For more information about P-2, please download one of our other P-2 brochures:

- Order Processing
- Stock Control
- Invoicing
- Utilities

Suddensource Ltd
1 Ambarrow Crescent
SANDHURST
GU47 8JA
☎ 01252 878841
sales@suddensource.com
www.suddensource.com

© Suddensource 2013-23