

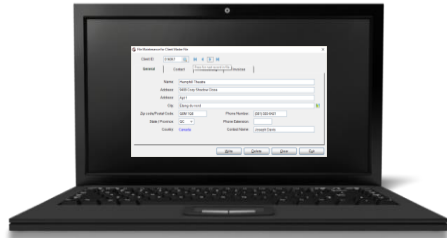
What's New in Nomads

PxPlus 2016 (v13)



New in Nomads - Introduction

- New NOMADS features that can enhance the user experience of your application:
 - Achieve a more responsive application design, automatically presenting an optimum viewing experience using *Resizing*, enhanced *Alternate Panels* and *Substitute panels* to display your application on multiple devices



New in Nomads - Introduction

- New NOMADS features that can enhance the user experience of your application:
 - Experience a cleaner, simpler and more user-friendly display with the *Drop Query*.

Code	Sales Rep Name	Department Name
AN	Austin (Bunny) Ninja	Eastern Canada Sales
BM	BeeBee Martinez	Ontario Sales
BT	Buns Thompson	Eastern Canada Sales
CM	Chiquita Magna	Western Canada Sales
DK	Dora King	Ontario Sales
GT	Gordon Twiddy	Quebec Sales
HK	Heidi King	Ontario Sales
OB	Oliver Black	Large Account Sales
PG	Pinto Gonzalez	Western Canada Sales
RL	Robert (Bob) LeChat	Quebec Sales



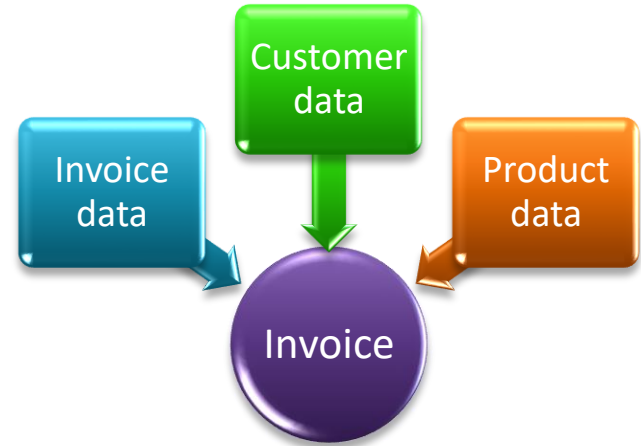
New in Nomads - Introduction

- New NOMADS features that can enhance the user experience of your application:
 - Use enhanced *Info Tips* to provide additional formatted information when needed, without taking up precious screen real estate.



New in Nomads - Introduction

- New NOMADS features that can enhance the user experience of your application:
 - Learn how new *File Link* interfaces will help the user (*and the developer*) draw upon data from multiple related data sources in your application.



New in Nomads - Agenda

- Responsive Application Design
- Drop Query
- Enhanced Info Tips
- File Linking



Responsive Application Design

Optimize your viewing experience



Responsive Application Design

- Responsive Design
 - Makes use of flexible screen layouts to adapt to devices ranging from desktop monitors to tablets to mobile phones
 - The underlying concept is to detect screen size/orientation and change the layouts accordingly



Responsive Application Design

- Approaches to responsive design:
 - Resizing & Persistence
 - Enhanced Alternate Panels
 - Substitute Panels



Responsive Application Design

● Panel Resizing

Providex 5.00

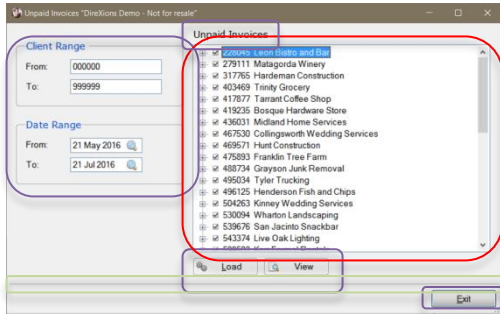
- User can resize the panel to suit their needs
- PxPlus will automatically resize panels when devices are re-oriented using the actual device width
- Settings
 - Resizable/Auto Size
 - All controls are resized and moved proportionally
 - Resizable/Custom
 - Selected controls are resized - Autosize (2 way) or Stretch (1 way)
 - Fixed sized controls may be anchored to the edge
- Embedded panels may be *Stretched* as well, to create a banner effect
- Panel persistence can store off the size/location of your panel



Responsive Application Design

● Panel Resizing

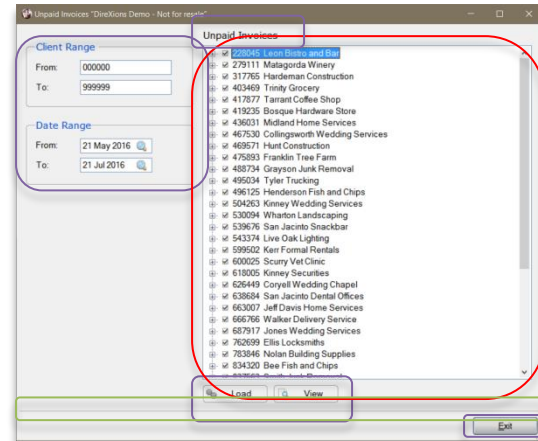
- Panel must be dialogue, with maximize box
- Resizable/Custom setting allows for the best flexibility
 - Select the controls to be resized – Autosize (2 way) or Stretch (1 way)
 - Control location of Fixed size controls by anchoring them



Fixed/Anchored

Autosize

Stretch



Responsive Application Design

- Resizing Controls – Size Adjustment
 - Set *Size Adjustment* on panel header to enable size adjustments on individual input controls
 - Multi-lines, listboxes, grids

Providex 5.10

Attributes

<input checked="" type="checkbox"/> Dialogue	<input checked="" type="checkbox"/> Minimize Box
<input type="checkbox"/> Child Window	<input checked="" type="checkbox"/> Maximize Box
<input checked="" type="checkbox"/> Suppress .VAL	<input checked="" type="checkbox"/> Close Box
<input type="checkbox"/> Always on Top	<input checked="" type="checkbox"/> Size Adjustment
<input type="checkbox"/> Menu Bar	<input type="checkbox"/> Synchro-Lock
<input type="checkbox"/> No Title Bar	<input checked="" type="checkbox"/> Auto Refresh
<input type="checkbox"/> Status Bar	<input type="checkbox"/> Auto Close Files

Status Bar Segments:



Responsive Application Design

- Resizing Controls - Report View Listbox and Grid
 - Auto Column Size (listbox) or AutoColSize (grid Presets)
 - Turn on to force the automatic adjustment of column sizes so that the total space occupied by the columns will fill the control width.
 - Proportional adjustment of all columns except those with ColumnSizeLock set

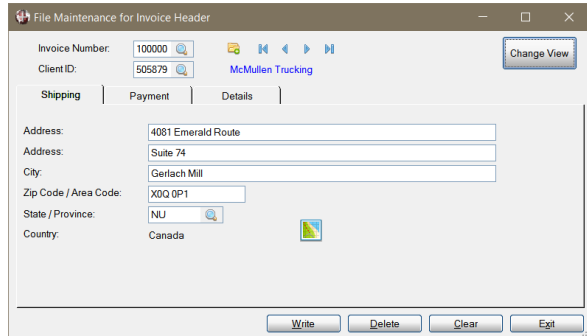
PxPlus 9.10 (Nomads)
PxPlus 2014 FP1 (iNomads)



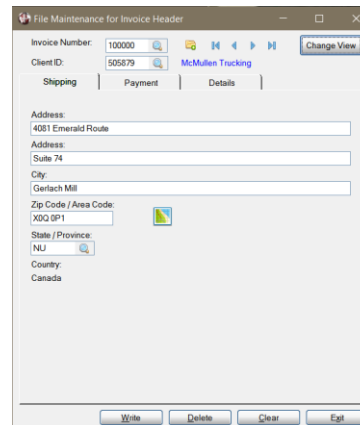
Responsive Application Design

● Alternate Panel Layouts Overview

Alternate panels are interchangeable panels that contain the same controls but have different layouts. The controls on the panels differ only in size, location and resizing attributes.



The screenshot shows a wide window titled "File Maintenance for Invoice Header". It features a header with "Invoice Number: 100000" and "Client ID: 505879" next to a "McMullen Trucking" logo. Below the header are three tabs: "Shipping", "Payment", and "Details", with "Shipping" selected. The main area contains several text input fields: "Address: 4081 Emerald Route", "Address: Suite 74", "City: Gerlach Mill", "Zip Code / Area Code: X0Q 0P1", "State / Province: NU", and "Country: Canada". A "Change View" button is located in the top right corner. At the bottom, there are four buttons: "Write", "Delete", "Clear", and "Exit".



The screenshot shows a narrow window titled "File Maintenance for Invoice Header". The header is compact, showing "Invoice Number: 100000" and "Client ID: 505879" with a "McMullen Trucking" logo. Below the header are three tabs: "Shipping", "Payment", and "Details", with "Shipping" selected. The main area contains several text input fields: "Address: 4081 Emerald Route", "Address: Suite 74", "City: Gerlach Mill", "Zip Code / Area Code: X0Q 0P1", "State / Province: NU", and "Country: Canada". A "Change View" button is located in the top right corner. At the bottom, there are four buttons: "Write", "Delete", "Clear", and "Exit".



Responsive Application Design

- Alternate Panel Layouts Overview
 - Purpose
 - To offer differing layouts that can be switched dynamically at run time
 - Layouts can be switched
 - Programmatically based on a user cue
 - Automatically based on a Resize event



Responsive Application Design

Alternate Panels

- Designing Alternate Panel Layouts
 - Two or more panels created in the Panel Designer with identical controls* whose sizes and locations may differ
 - If a panel has a folder, additional sub-panels may require corresponding alternate panels
 - Original and alternate panels must be in the same library

*Note on identical controls:

The text value of *Fonted Text* and *Frame* controls can be different on the various panels, with the text of the panel currently in use being displayed, allowing you to shorten/lengthen the text displayed based on available space. In addition, various *Shapes* and their attributes and static (i.e. non-dynamic) *Images* may be different on the various panels. All other controls will maintain their current values.



Responsive Application Design

Alternate Panels

● Switching Panels Programmatically

Providex 7.71

- Requires a trigger event, such as a button click
- When processing the event, set two variables:
 - `ALTERNATE_PANEL$` - Name(s) of the panel(s) to be displayed
 - `ALTERNATE_PANEL_TYPE$` - “M” (main), “F” (folder), “MF” (both)



Responsive Application Design

Enhanced Alternate Panels

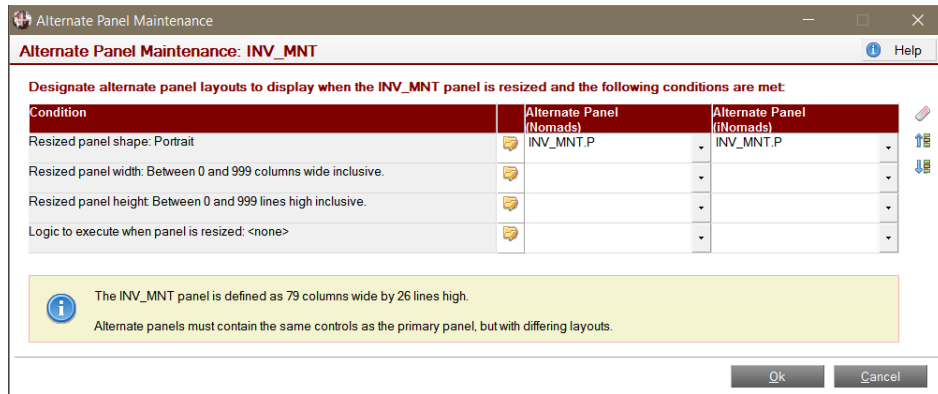
- Switching Panels Automatically on a Resize Event
 - Panels must be defined as Resizable/Custom or Resizable/AutoSize
 - Assign conditions in the *Alternate Panel Maintenance* utility to determine when an alternate panel should be displayed
 - When a resize event occurs, a check is performed to see if any of the assigned conditions are true, and the associated alternate panel is displayed. If none are true, the original panel is displayed



Responsive Application Design

Enhanced Alternate Panels

- *Alternate Panel Maintenance*
 - Invoked by selecting *Assign Alternate Panels* from the *Utilities* menu in the Nomads Panel Designer

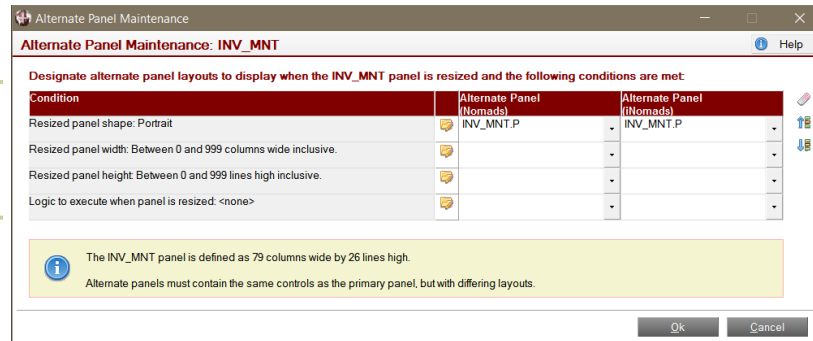


Responsive Application Design

Enhanced Alternate Panels

● *Alternate Panel Maintenance*

- Specify **conditions** to apply when resizing the panel being defined in the Panel Designer. (Specify conditions for the original panel being designed, not for the alternate panels)
- Specify the **alternate panel** to display in Nomads and *iNomads* (panels are in the same library) when the condition is true



Responsive Application Design

Enhanced Alternate Panels

● *Alternate Panel Maintenance*

● Conditions

- *Resized panel shape: Portrait (or Landscape)*
- *Resized panel width: Between 0 and 999 columns wide inclusive*
- *Resized panel height: Between 0 and 999 lines high inclusive*
- *Logic to execute when panel is resized*
 - User logic sets [Alternate_Panel\\$](#)
 - Special variables available to user logic:
[pnlWidth](#) (columns), [pnlHeight](#) (lines), [w](#) (pixels), [h](#) (pixels)



Responsive Application Design

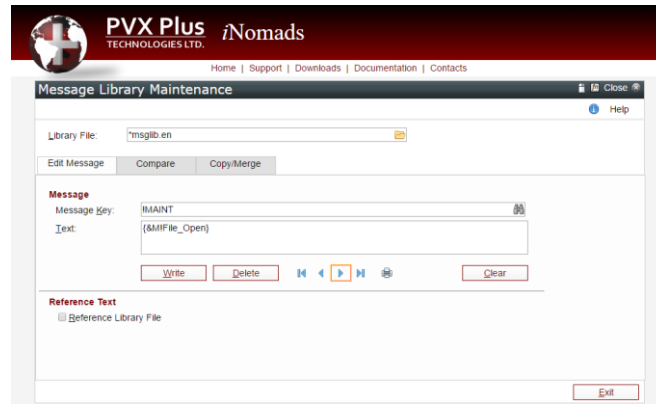
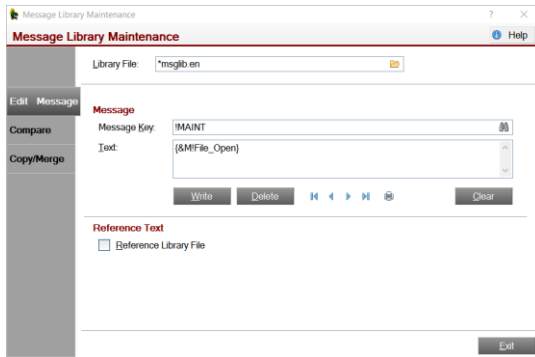
- Substitute Panels Overview
 - Panels that are processed instead of the originally specified panel when certain conditions are met
 - Useful when you want unique panel designs based on different environments:
 - Nomads vs *i*Nomads
 - Different screen resolutions, display sizes
 - Different users, departments, etc.



Responsive Application Design

- Substitute Panels Overview
 - For example, to attain a different look-and-feel for web applications

Nomads



Responsive Application Design

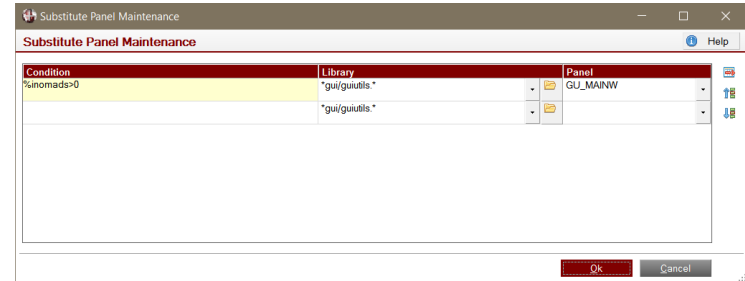
- **Substitute Panels Overview**
 - For a particular panel, you can configure various conditions, which result in a different panel being processed rather than the one named
 - Unlike Alternate panels, substitute panels can have different controls and different logic



Responsive Application Design

● *Substitute Panel Maintenance*

- This utility allows you to specify the conditions to apply when loading the panel currently being defined in the Nomads Panel Designer, and what panel/library to substitute when a condition is true
- Select *Assign Substitute Panels* from the *Utilities* menu in the Nomads Panel Designer



Responsive Application Design

● *Substitute Panel Maintenance*

- The *Condition* consists of a valid PxPlus conditional expression to be evaluated to determine if a substitute panel will be used instead of the originally specified panel
- Multiple conditions may be specified
 - The order in which the conditions are displayed is the order in which they are evaluated
- Any panel from any library may be selected as the substitute panel associated with a condition



Responsive Application Design

- *Substitute Panel Maintenance* - Specifying Conditions
 - Conditions are evaluated prior to any logic associated with the original panel
 - Global variables used in the conditions must be set up prior to the processing of the original panel
 - Use `%iNomads>0` to check for *iNomads* environment
 - Special `%NOMADS` properties such as `'DisplayHeight` and `'DisplayWidth` can be used (Number of lines/columns on monitor (Nomads) or browser (*iNomads*))



Responsive Application Design

- Substitute Panels and Alternate Panels
 - Substitute panels can be used in conjunction with Alternate Panels
 - A substitute panel can have alternate panels associated with it, but alternate panels do not support substitute panels



Responsive Application Design

- Substitute Panels - Other uses
 - Create custom panels and logic for customers with minimal change to your application
 - Create a custom panel and program in separate custom directories
 - Simply add a substitute panel definition to the original panel definition



The Drop Query

Is it a query or a dropbox?

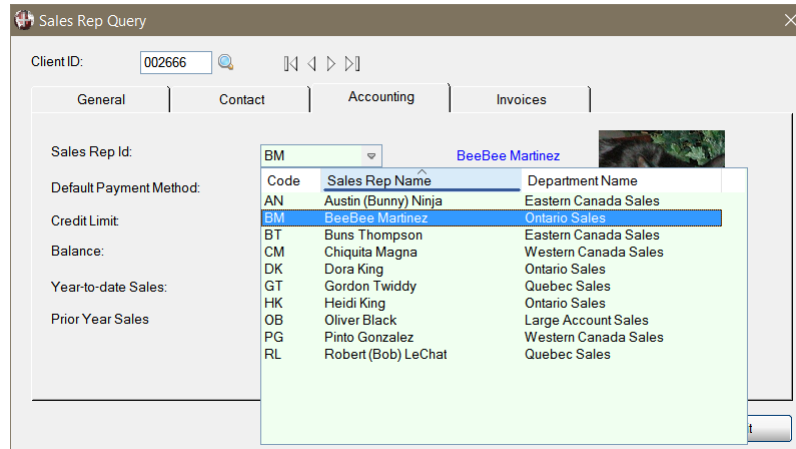


Drop Query

PxPlus 2014 FP1

● Overview

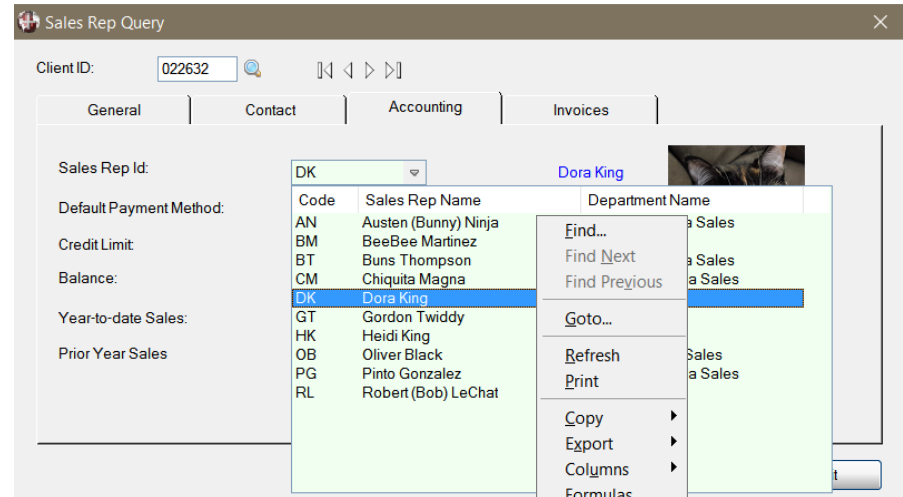
- Emulates an enhanced drop box that can display multiple columns with sortable headers



Drop Query

● Overview

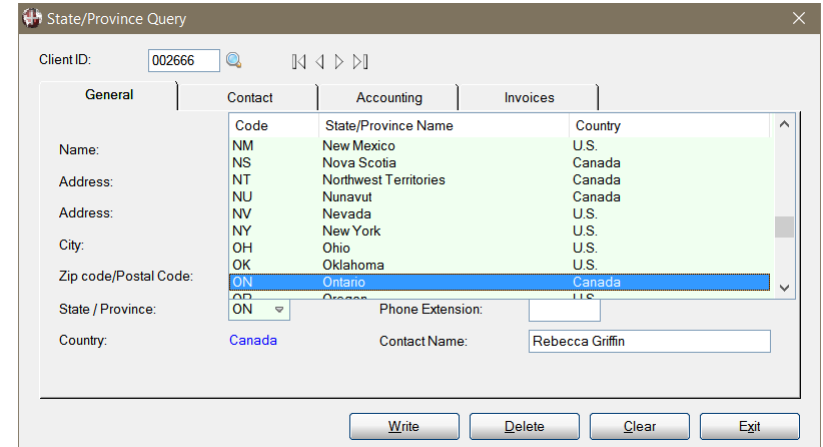
- Cleaner display
 - Just the data
 - No toolbar or buttons
 - Still supports all the right-click options (*except for autochart*)



Drop Query

● Overview

- More user friendly
 - Display is adjacent to the multi-line
 - Not disconnected from the multi-line in a separate window, or even hiding it



Drop Query

- Usage
 - Instead of a standard dropbox for a more complex display
 - But minimize the number of columns shown so you don't overwhelm the display
 - Hidden columns simplify display but are available to be viewed
 - For small datasets
 - Uses a report view list box to display the data
 - The entire dataset is loaded up front, so the user must wait until the load is finished before proceeding



Drop Query

- Setting up Drop Queries

1. Establish the default usage

- `%nomads'Drop_Qry_All=1` sets the Drop Query as the default query display
- In *iNomads*, set the Drop Query option in the Template Configuration (on the Misc tab)



Drop Query

● Setting up Drop Queries

2. Query Header Definition - Options

- Individual queries have an option to use the *Default* setting, or to ignore the default and either *Always* or *Never* display that query as a Drop Query

Query Header Definition

Panel: STATE_QRY

Options

Auto Tab No Print Button Sort by Columns (Pre-load Data)

Gray/White Display No Sort By Switch Scroll Bar for Large File

Use Classic Query Use OK/Cancel Buttons

Use Drop Query: Always

Suppress Favorites: Default

Suppress Export: Default



Drop Query

● Setting up Drop Queries

- You can also set `%nomads'Drop_Qry_Color$` to override the default background color

Default is RGB:240,255,240

Code	Sales Rep Name	Department Name
AN	Austen (Bunny) Ninja	Eastern Canada Sales
BM	BeeBee Martinez	Ontario Sales
BT	Buns Thompson	Eastern Canada Sales
CM	Chiquita Magna	Western Canada Sales
DK	Dora King	Ontario Sales
GT	Gordon Twiddy	Quebec Sales
HK	Heidi King	Ontario Sales
OB	Oliver Black	Large Account Sales
PG	Pinto Gonzalez	Western Canada Sales
RL	Robert (Bob) LeChat	Quebec Sales

`%nomads'Drop_Qry_Color$=`
`"RGB:255,255,180"`

Code	Sales Rep Name	Department Name
AN	Austin (Bunny) Ninja	Eastern Canada Sales
BM	BeeBee Martinez	Ontario Sales
BT	Buns Thompson	Eastern Canada Sales
CM	Chiquita Magna	Western Canada Sales
DK	Dora King	Ontario Sales
GT	Gordon Twiddy	Quebec Sales
HK	Heidi King	Ontario Sales
OB	Oliver Black	Large Account Sales
PG	Pinto Gonzalez	Western Canada Sales
RL	Robert (Bob) LeChat	Quebec Sales



Drop Query

- Emulating an enhanced variable drop box
 - Query button
 - Down arrow bitmap
 - Embedded and Flat/No border attributes

Code	Sales Rep Name	Department Name
AN	Austin (Bunny) Ninja	Eastern Canada Sales
BM	BeeBee Martinez	Ontario Sales
BT	Buns Thompson	Eastern Canada Sales
CM	Chiquita Magna	Western Canada Sales
DK	Dora King	Ontario Sales
GT	Gordon Twiddy	Quebec Sales
HK	Heidi King	Ontario Sales
OB	Oliver Black	Large Account Sales
PG	Pinto Gonzalez	Western Canada Sales
RL	Robert (Bob) LeChat	Quebec Sales



Drop Query

- Emulating an enhanced drop box (not variable)
 - Must choose from list (i.e. multiline locked)
 - Query button
 - Down arrow bitmap
 - Embedded and Flat/No border attributes
 - PermaLock attribute on the multiline

Code	State/Province Name	Country
NM	New Mexico	U.S.
NS	Nova Scotia	Canada
NT	Northwest Territories	Canada
NU	Nunavut	Canada
NV	Nevada	U.S.
NY	New York	U.S.
OH	Ohio	U.S.
OK	Oklahoma	U.S.
ON	Ontario	Canada
OR	Oregon	U.S.



Drop Query

- Activation

- Requires the same activation level as Query+:

PxPlus Base license with SmartControl package (20005)

or

PxPlus Professional Bundle

or

PxPlus e-Commerce Bundle

or

PxPlus *i*Nomads Wayfarer Pack



Info Tips

Tooltips on steroids



Info Tips

General review or summary

● Overview

Overview

An overview is a general review or summary.
[See details here](#)

- Tips help users understand unknown or unfamiliar objects that aren't described directly in the user interface
- They are displayed automatically when users hover the pointer over an object, and removed when users click the control or move the mouse, or when the tip times out

Product code: SUV-2412-VIO

City Car SUV - Violet



Price \$9.25



Info Tips

- Defining Tips in Nomads
 - Tips are defined for Buttons, Radio Buttons, Check Boxes, List Boxes, Drop Boxes, Multi-Lines, Grids and Charts on the *User Aid* tab for the control definition in the Nomads Designer
 - Grid cell tips are defined in *Grid Presets*
 - Tips can be defined as a fixed value, expression or Message Library reference




Info Tips




- Simple Tip
 - Fixed value or Expression or Message Library reference


User Aid

Floating Tip

Message Lib Ref	Key	Optional Arguments
Message Lib Ref ▼	"PRESS_1ST" 	<input type="text"/>

 File Maintenance for Invoice Header ✕

Invoice Number:   

Client ID: 



Info Tips

- HTML Tip
 - Create your own HTML to display
 - Use the HTML string as the tip value

Shipping | Payment | Details


Show Product Info

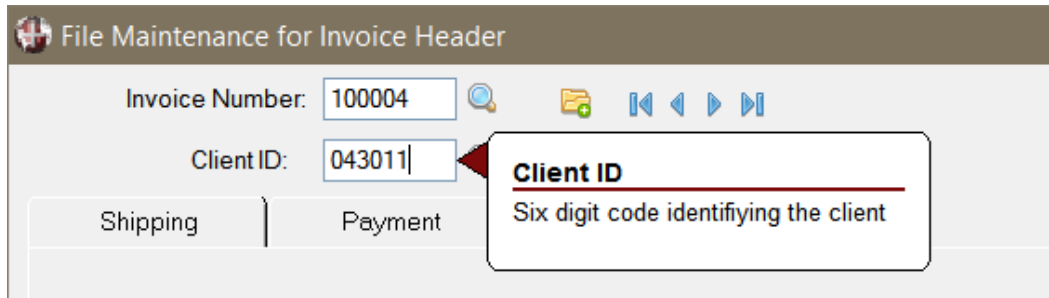
	Product		Amount
1	SUV-2412-VIO	Product Code	\$46.25
2	TRK-2114-PNK	Product code consists of vehicle type code, numeric code and colour code.	\$256.25
3	LUX-3215-BRN		\$91.25
4			\$0.00



Info Tips

● *Define Info Tip Utility*

- *User Aids Floating Tip – Select Expression*
- Click  button next to the input control to invoke the *Define Info Tip* utility.
- Specify title and text with optional embedded hyperlink



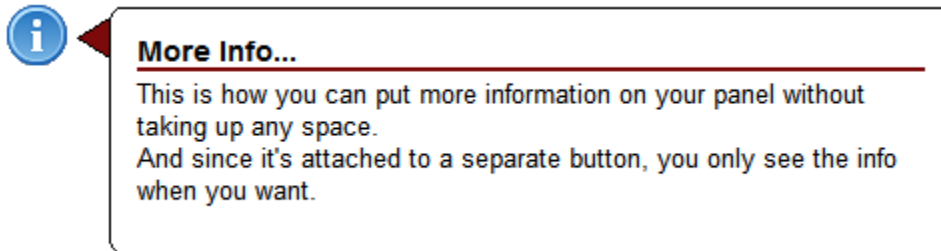
The screenshot shows a software interface titled "File Maintenance for Invoice Header". It features two input fields: "Invoice Number" with the value "100004" and "Client ID" with the value "043011". A red arrow points from the "Client ID" input field to a floating "Info Tip" box. The box contains the text "Client ID" underlined, followed by "Six digit code identifying the client". Below the input fields are two buttons labeled "Shipping" and "Payment".



Info Tips

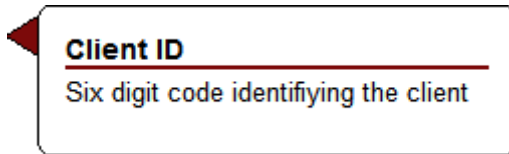
● Info Button

- If there's a chance that the tips could become annoying or distracting, consider associating the tip with an info button so you only see it when you want to

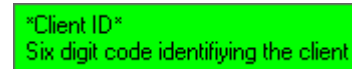


Info Tips

- 'TC' parameter
 - Remember, the formatted info tips only work as advertised if the 'TC' parameter is set to -2 (default)
 - Alternate 'TC' settings will override the tip display



'TC'=-2



'TC'=2



File Linking

Making the complex simple



File Linking

- Overview

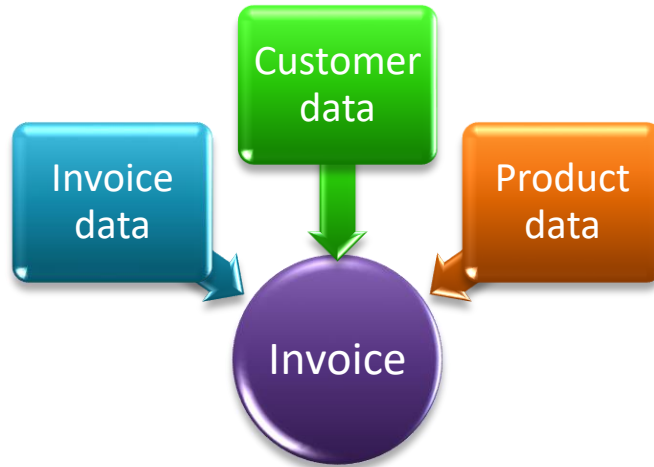
- Application data is spread across multiple files with cross-reference linkages to bind the relationships



File Linking

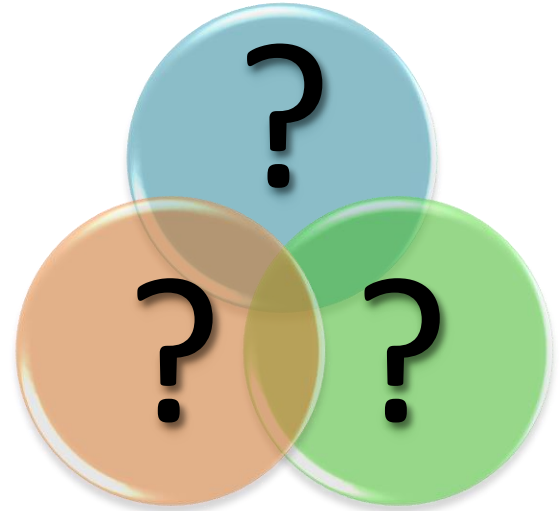
- Overview

- When presenting information to the user, the content is generally made up of bits and pieces from many files



File Linking

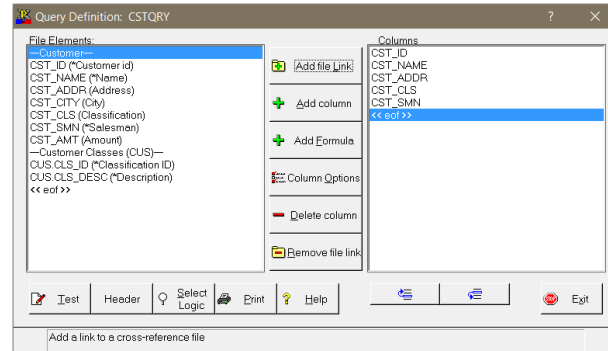
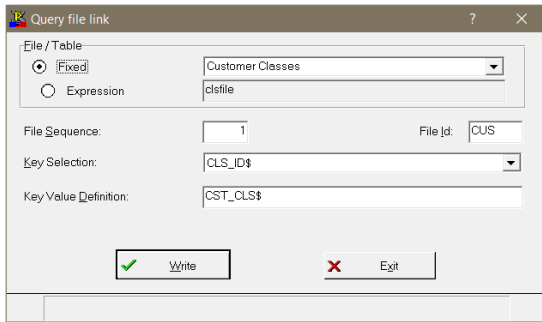
- Overview
 - The challenge is coming up with simple ways to present the complex datasets to the user, keeping in mind that they have no prior in-depth knowledge of the data files, fields, and their relationships as they exist in the application



File Linking

In the beginning...

- The *Query System* allows you to display complex datasets
 - File links are set up in the query definition for simple one-to-one relationships



File Linking

Then...

- *Views*

- Allow you to present and retrieve customized end-user views of various application data
- System designer defines logical representations of datasets that are relevant and accessible to end-users, regardless of the original physical layout

Providex 5.10

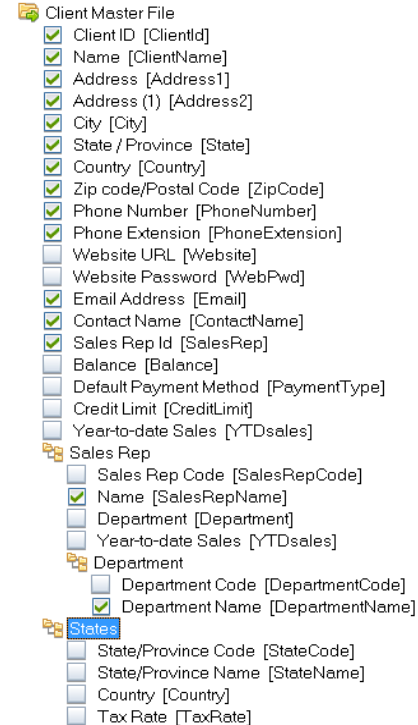


File Linking

Then...

● Views

- The end-user can extract specific data elements for display and reporting purposes — without the need for prior in-depth knowledge of the data files, fields, and their relationships as they exist in the application



File Linking

And now...

- File Linking

- Define and maintain the cross-reference linkages that exist between application data files
 - Based on files defined in Data Dictionary Maintenance
 - Specify the related files and the fields that can be used to populate keys to read the related file
 - A one-to-one relationship is supported between the files, where the fields from one file match the key for the cross-referenced file



File Linking

- Why do we need another approach?
 - Define the relationship once, and apply in multiple locations
 - Query links
 - Views relationships
 - Results in a more flexible drill-down approach to selecting data for the Report Designer



File Linking

- File Linking in Query Definitions
 - Can be used to define file links in query definitions

The screenshot displays two overlapping dialog boxes from a software application. The background dialog, titled 'Query file link', contains a table of 'File Links'. The foreground dialog, titled 'Select a File Link Definition', shows a list of predefined link definitions.

Query file link - File Links

Expr	Link To File/Table	Access Key	Key Expression	Record Prefix	Read Record
<input type="checkbox"/>	Sales Rep	SalesRepCode\$	SalesRep\$	SLS	
<input type="checkbox"/>					

Select a File Link Definition

Select a file link definition:

Link Description	Link From	Link To	Access Key	Rec Prefix
Client Master to Sales Rep	Client Master File	Sales Rep	Sales Rep Code	csls
Client Master to States	Client Master File	States	State/Province Code	cstate
Sales Rep to Department	Sales Rep	Department	Department Code	sdept



File Linking

- File Linking in Views
 - Can be used to define data source relationships in Views

The screenshot shows two overlapping dialog boxes from a software application. The background dialog is titled 'Update a Data Source: Invoice Header' and contains a table of relationships. The foreground dialog is titled 'Select a Link Definition' and shows a list of link definitions.

Update a Data Source: Invoice Header - Relationships:

Linked Data Source	Link Name	Item Prefix	Access Key	Key Expression	> 1 rec	No Data Option
Client Master File	Client Master File	Cl_	Client ID	ClientID\$	<input type="checkbox"/> Yes	NULL fields
Invoice Detail	Invoice Detail	Itm_	Invoice Number+Invoice	InvoiceNumber\$	<input checked="" type="checkbox"/> Yes	NULL fields
Sales Rep	Sales Rep	Sr_	Sales Rep Code	SalesRep\$	<input type="checkbox"/> Yes	NULL fields
States	States		State/Province Code	State\$	<input type="checkbox"/> Yes	NULL fields

Select a Link Definition

Data Source to Link To	Link Definition Description	Prefix	Access Key
Client Master File	Invoice Header to Client Master	iclient	Client ID
Sales Rep	Invoice Header to Sales Rep	isls	Sales Rep Code
States	Invoice Header to States	istate	State/Province Code

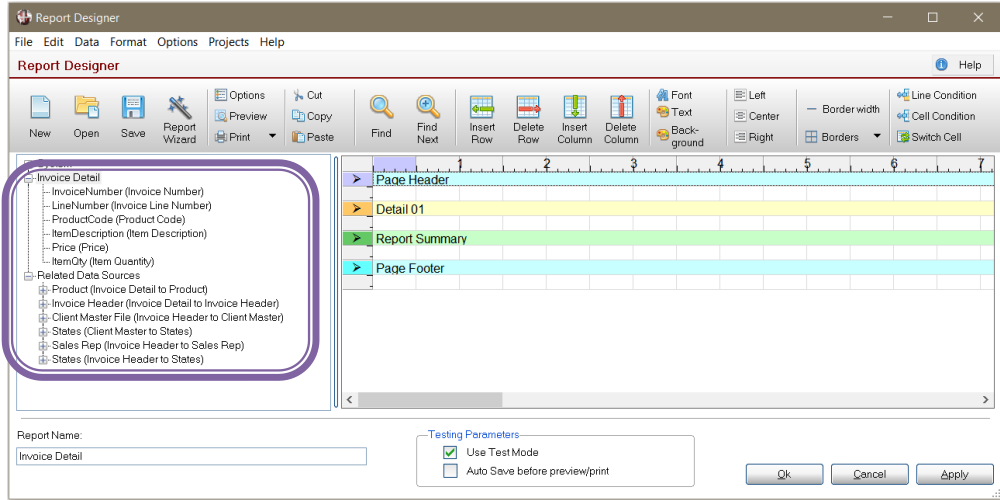


File Linking

- File Linking in the Report Designer
- Can be used in the Report Designer to select the input data

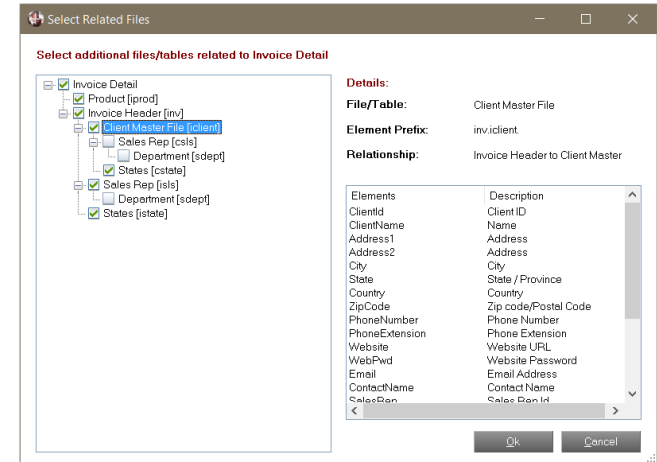


- System
 - Invoice Detail
 - InvoiceNumber (Invoice Number)
 - LineNumber (Invoice Line Number)
 - ProductCode (Product Code)
 - ItemDescription (Item Description)
 - Price (Price)
 - ItemQty (Item Quantity)
 - Related Data Sources
 - Product (Invoice Detail to Product)
 - Invoice Header (Invoice Detail to Invoice Header)
 - inv.InvoiceNumber (Invoice Number)
 - inv.ClientId (Client ID)
 - inv.Address1 (Address)
 - inv.Address2 (Address)
 - inv.City (City)
 - inv.State (State / Province)
 - inv.Country (Country)
 - inv.ZipCode (Zip Code / Area Code)
 - inv.InvoiceDate (Invoice Date)
 - inv.DueDate (Due Date)
 - inv.DatePaid (Date Paid)
 - inv.Amount (Taxable Amount)
 - inv.Tax (Tax)
 - inv.PaymentType (Payment Type)
 - inv.SalesRep (Sales Rep Id)
 - Client Master File (Invoice Header to Client Master)
 - States (Client Master to States)
 - Sales Rep (Invoice Header to Sales Rep)
 - States (Invoice Header to States)



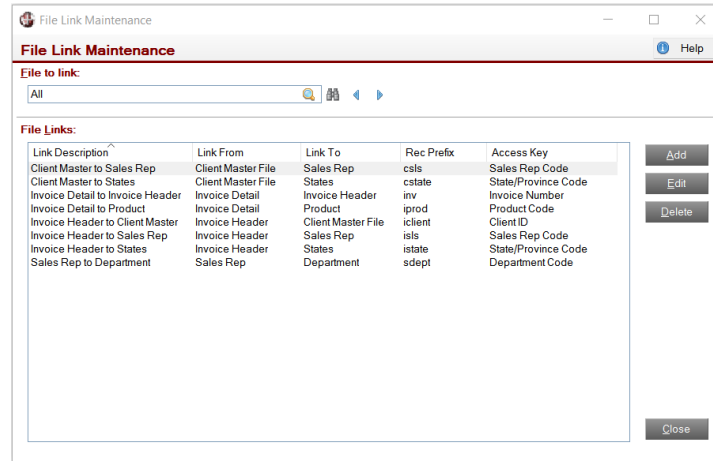
File Linking

- File Linking in the Report Designer
 - Select *Table Name* or *File Path* as *Input Source* (Files must have embedded dictionaries)
 - If the *Input Source* has links defined in **Link File Maintenance**, then you can *Select Related Data Sources* (from *Data* menu or right-click in the data pane)



File Linking

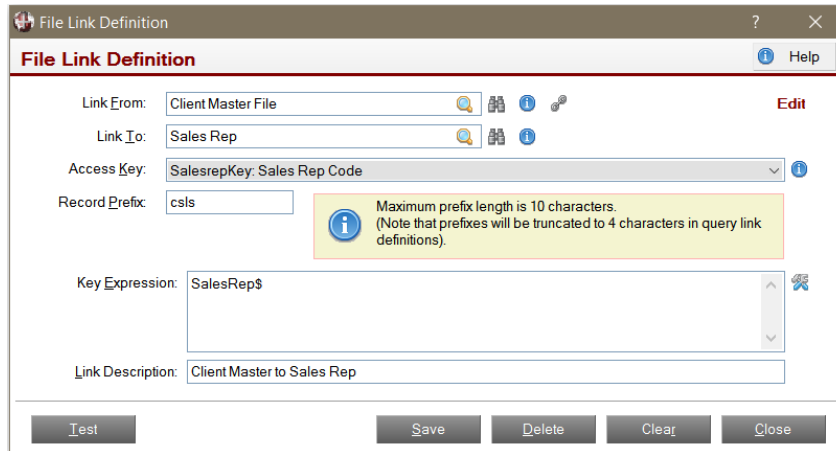
- *File Link Maintenance*
 - Maintains the File Link Definitions
 - Display, Add, Edit, Delete definitions



File Linking

● *File Link Definition*

- Set up the link information
 - Specify the related files and the key expressions to access the related file



The screenshot shows a window titled "File Link Definition" with a "Help" button. The window contains the following fields and controls:

- Link From:** Client Master File (with search, refresh, and help icons) and an **Edit** button.
- Link To:** Sales Rep (with search, refresh, and help icons).
- Access Key:** SalesrepKey: Sales Rep Code (with a help icon).
- Record Prefix:** csls (with a help icon).
- Key Expression:** SalesRep\$ (with a refresh icon).
- Link Description:** Client Master to Sales Rep.

A yellow information box is displayed over the Record Prefix field, containing the text: "Maximum prefix length is 10 characters. (Note that prefixes will be truncated to 4 characters in query link definitions)." At the bottom of the window are buttons for **Test**, **Save**, **Delete**, **Clear**, and **Close**.



File Linking

● Views vs File Linking

Views	File Linking
One-to-one, One-to-many relationships (one-to-many option reduces file access)	One-to-one relationships only (one-to-many requires re-reading linked file)
Only selected fields are available (secure/less flexibility)	All fields are available (Flexible, less secure)
Views must be created ahead of time. If fields are added to a file, Views must be updated to include them.	Data sets are created on the fly. If a file definition changes, the fields are automatically available.



File Linking

● Views vs File Linking

Views	File Linking
In the Report Designer, the list of View fields appears as a logically flat dataset where the links and field origins are not apparent.	In the Report Designer, the File Links are presented in a hierarchical display where you drill down to select the data you want to want to include. The files are then listed separately in the data pane with the links described.
Support for virtual fields	No virtual fields (not required in Report Writer due to Formulas and Calculated Fields)



File Linking

● Views vs File Linking

Views	File Linking
Built-in interfaces the developer can use to allow the end-user to define or select a View: PROCESS "View_Main", "*views/views.en", v\$, type\$ PROCESS "Select_View", "*views/views.en", v\$, grp\$	Currently there are no interfaces the developer can use to present the File Links to the end-user in their application, other than in the Report Designer
Views definition requires Views or Report Writer package, or Professional or e-Commerce Bundle, or iNomads Wayfarer Pack	Base activation only required



Additional Resources

The help link(s) below refer to the current on-line help pages. The functionality may have been further updated since the PxPlus 2016 (version 13) release.

- [Projects & the IDE](#)
- [Adding Tasks to Project](#)
- [Project Maintenance](#)



Additional Resources

- Query Subsystem

[NOMADS Graphical Application » Dictionary-Based Development » Query Subsystem](#)

- Info Tips

[NOMADS Graphical Application » Creating Panel Controls » Defining an Info Tip](#)

- File Linking

[Data Dictionary » File Link Maintenance](#)



Additional Resources

- Panel Resizing and Persistence

[NOMADS Graphical Application » Panel Designer » Resizing and Persistence](#)

- Alternate Panels

[NOMADS Graphical Application » Program Interaction » Alternate Panel Layouts](#)

- Substitute Panels

[NOMADS Graphical Application » Program Interaction » Substitute Panels](#)

