

# Using the Grid Control

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## Overview

The Grid Control in Visual FoxPro has been variously described as "Browse on Steroids" and "You wanted a drink? We turned on the firehose." Learn how to - finally! - integrate Browse functionality within a form by using the new Grid control. You'll learn the components of a Grid, how to address those components, how to bind data to a Grid, and how to manipulate the properties, events, and methods of a Grid.

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# Introduction to the Grid

## Capabilities

Replaces embedded Browse

Participates in event loop completely

Complete programmatic control

## Grid Components

The Grid is a container that contains Columns

The Column is a container that contains a Header and Controls

Properties window - Object Hierarchy (where are they? - check ColumnCount)

Grid

Column

Header

Text (control)

## The Grid Component Hierarchy

Form.Grid.Column.Header

Form.Grid.Column.Text

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# Properties, Events, and Methods

## Grid Properties

Colors: BackColor

Sizes: Height, Width, Left, Top, RowHeight

Manipulation: RecordMark, DeleteMark, ScrollBar

Contents: ColumnCount

Internal: GridLines, GridLineColor, Width, FontName, FontSize

Editing: ReadOnly, Visible

## Column Properties

Colors: BackColor

Internal: Width, FontName, FontSize, Alignment

Editing: Resizable, Moveable

## Header Properties

Colors: BackColor

Internal: Width, FontName, FontSize, Alignment

## Control Properties

Colors: BorderColor

## Grid Events

Before/AfterRowColChange

Scrolled

## Column Events

Moved, Resize

## Header Events

Click, RightClick

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# Addressing Grid Components

## Using an Object Reference for a Form

do form X name Y

## Via the Command window

Y.grid1.column1.header1.caption = "New Header"

## Via Form controls

thisform.grid1.column1.header1.caption = "A Different Header"

## Via Debug

\_screen.activeform.grid1.column1.header1.caption = "A Third Header"

## The SETALL Method

Set properties on all elements of a container

## Collection v. Name Reference

An alternative to Name References

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# Binding Data to the Grid

## Manually

Create a grid and manually open a table (SELECT 0, USE X.DBF)

## Automatic Binding via DE

Dragging from the DE

Default Field Behavior

Selecting the fields

Uses Visual FoxPro's Base Class

## Automatic Binding via RecordSource

Create a DE

Dragging from Form Control (or PM)

Selecting RecordSource

Selecting the fields

Advantages

## Parent-Child Grids

Creating the DE

Selecting the Parent

Selecting the Child

Setting the Relation

Child Fields

## Grid-Related Controls outside the Grid

Tying a control on the form but outside the Grid to the Grid's row

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## **Tricks and Tips**

**Complex Controls**

**Incremental Search**

**Multi-Select**

**Selecting the Entire Row**

**Color Madness**

**Add and Delete From Within a Grid**

**Problems with Events**