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The database tool for creating solutions for the desktop and the Web

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Microsoft Visual FoxPro 9.0 is an extremely powerful tool for quickly building database applications and components. Its data-centric, object-oriented language offers developers a robust tool set for building database applications—for the desktop, as a client/server solution, or on the Web by using components and XML Web services.

New features in Visual FoxPro 9.0:**Flexibility to Build All Types of Database Solutions**

- Create .NET compatible solutions with hierarchical XML and XML Web services.
- Exchange data with SQL Server through enhanced SQL language capabilities and newly supported data types.
- Enhance your user interfaces with dockable user forms, auto-anchoring of controls, and improved image support.
- Personalize the Properties Window with your favorite properties, custom editors, fonts, and color settings.
- Build and deploy stand-alone and remote applications for Windows based Tablet PCs.
- Create and access COM components and XML Web Services compatible with Microsoft .NET technology.
- Visual FoxPro 9.0 allows you to build end-to-end solutions, from data entry forms to complex report outputs.

Reporting System Features

- Extensible new output architecture provides precision control of report data output and formatting.
- Multiple detail band support for data with multiple one-to-many relationships.
- Output reports supported include in XML, HTML, image formats, and customizable multi-page print preview window.
- Customizable print preview window with improved display quality and multiple page support.
- New ReportListener class provides access to report generation and rendering events at runtime.
- Flexible report chaining allows for more complex print jobs.
- Powerful design-time hooks with customizable builders.
- Backward compatible with existing Visual FoxPro reports.

Data-Handling and Interoperability

- Ø New Data Types - Varchar, Varbinary, and Blob types allow for improved interoperability with SQL Server.
- Ø Extended SQL Enhancements – more capabilities with SELECT, INSERT, UPDATE and DELETE statements.
- Ø CAST() – new function allows you to convert between different data types.
- Ø New Binary Index – support for new index type to improve performance using Deleted tag.
- Ø XMLAdapter – improved nested hierarchical XML and XSD schema support.

Smart Client User Interface Features

- Ø Dockable Forms – allow for professional functioning Windows applications.
- Ø Anchoring – lets you control movement of controls on a form as the form is resized.
- Ø Buttons – improved control over position of image on a button with text alignment.
- Ø Checkboxes – new word wrap support for checkbox captions.
- Ø Labels – support for rotating text for label captions.
- Ø Shapes and Lines – ability to create polygons and Bezier curves.
- Ø Lists and Combos – use collections as databinding row source.
- Ø Images – bind to non file-based pictures.

Extensible Developer Productivity

- Ø Property Sheet – support for new font and color display options, extended characters and long expressions.
- Ø Member Data Extensibility – ability to specify custom property editors and favorites.
- Ø Background Compile – see valid and invalid syntax as you type command lines.
- Ø Task Pane – new and improved task panes such as the Data Explorer pane.
- Ø Extended System Capabilities – no limits for arrays, procedure size, and nesting levels.
- Ø String Functions – powerful new enhancements for working with strings.
- Ø ICASE() – new inline function similar to DO CASE statement.
- Ø International – greater support for use of FontCharSets in applications.

Visual FoxPro 9.0 Feature Overview:

Powerful Data-Handling Capabilities

- Advanced Query Optimization Technology**
Run queries in Visual FoxPro data files as fast as local tables.
- Local Cursor Engine**
Fetch, manipulate, and update data locally and programmatically.
- Database Container**
Create persistent relationships between tables, stored procedures, macros, triggers, views, and default values.
- Local and Remote Views**
Local applications based on queries that return Visual FoxPro or Microsoft SQL Server data for increased performance. Table controls also allow for public and private views.
- Database Events**
Control user actions with code that executes when a database is opened, closed, or modified.
- Built-in Batch Processing Capabilities**
Fetch and delete thousands of rows of data to regenerate transaction processing solutions.
- Integrated SQL Support**
Integrate SQL statements of data by using Microsoft Query Language (MSQL) statements.
- Integrated ODBC Language Support**
Integrated ODBC language support for IBM, DB2, Oracle, Microsoft Visual FoxPro data sources and ODBC 3.0/3.1/3.2/3.5/3.6/3.7/3.8/3.9/4.0/4.1/4.2/4.3/4.4/4.5/4.6/4.7/4.8/4.9/5.0/5.1/5.2/5.3/5.4/5.5/5.6/5.7/5.8/5.9/6.0/6.1/6.2/6.3/6.4/6.5/6.6/6.7/6.8/6.9/7.0/7.1/7.2/7.3/7.4/7.5/7.6/7.7/7.8/7.9/8.0/8.1/8.2/8.3/8.4/8.5/8.6/8.7/8.8/8.9/9.0/9.1/9.2/9.3/9.4/9.5/9.6/9.7/9.8/9.9/10.0/10.1/10.2/10.3/10.4/10.5/10.6/10.7/10.8/10.9/11.0/11.1/11.2/11.3/11.4/11.5/11.6/11.7/11.8/11.9/12.0/12.1/12.2/12.3/12.4/12.5/12.6/12.7/12.8/12.9/13.0/13.1/13.2/13.3/13.4/13.5/13.6/13.7/13.8/13.9/14.0/14.1/14.2/14.3/14.4/14.5/14.6/14.7/14.8/14.9/15.0/15.1/15.2/15.3/15.4/15.5/15.6/15.7/15.8/15.9/16.0/16.1/16.2/16.3/16.4/16.5/16.6/16.7/16.8/16.9/17.0/17.1/17.2/17.3/17.4/17.5/17.6/17.7/17.8/17.9/18.0/18.1/18.2/18.3/18.4/18.5/18.6/18.7/18.8/18.9/19.0/19.1/19.2/19.3/19.4/19.5/19.6/19.7/19.8/19.9/20.0/20.1/20.2/20.3/20.4/20.5/20.6/20.7/20.8/20.9/21.0/21.1/21.2/21.3/21.4/21.5/21.6/21.7/21.8/21.9/22.0/22.1/22.2/22.3/22.4/22.5/22.6/22.7/22.8/22.9/23.0/23.1/23.2/23.3/23.4/23.5/23.6/23.7/23.8/23.9/24.0/24.1/24.2/24.3/24.4/24.5/24.6/24.7/24.8/24.9/25.0/25.1/25.2/25.3/25.4/25.5/25.6/25.7/25.8/25.9/26.0/26.1/26.2/26.3/26.4/26.5/26.6/26.7/26.8/26.9/27.0/27.1/27.2/27.3/27.4/27.5/27.6/27.7/27.8/27.9/28.0/28.1/28.2/28.3/28.4/28.5/28.6/28.7/28.8/28.9/29.0/29.1/29.2/29.3/29.4/29.5/29.6/29.7/29.8/29.9/30.0/30.1/30.2/30.3/30.4/30.5/30.6/30.7/30.8/30.9/31.0/31.1/31.2/31.3/31.4/31.5/31.6/31.7/31.8/31.9/32.0/32.1/32.2/32.3/32.4/32.5/32.6/32.7/32.8/32.9/33.0/33.1/33.2/33.3/33.4/33.5/33.6/33.7/33.8/33.9/34.0/34.1/34.2/34.3/34.4/34.5/34.6/34.7/34.8/34.9/35.0/35.1/35.2/35.3/35.4/35.5/35.6/35.7/35.8/35.9/36.0/36.1/36.2/36.3/36.4/36.5/36.6/36.7/36.8/36.9/37.0/37.1/37.2/37.3/37.4/37.5/37.6/37.7/37.8/37.9/38.0/38.1/38.2/38.3/38.4/38.5/38.6/38.7/38.8/38.9/39.0/39.1/39.2/39.3/39.4/39.5/39.6/39.7/39.8/39.9/40.0/40.1/40.2/40.3/40.4/40.5/40.6/40.7/40.8/40.9/41.0/41.1/41.2/41.3/41.4/41.5/41.6/41.7/41.8/41.9/42.0/42.1/42.2/42.3/42.4/42.5/42.6/42.7/42.8/42.9/43.0/43.1/43.2/43.3/43.4/43.5/43.6/43.7/43.8/43.9/44.0/44.1/44.2/44.3/44.4/44.5/44.6/44.7/44.8/44.9/45.0/45.1/45.2/45.3/45.4/45.5/45.6/45.7/45.8/45.9/46.0/46.1/46.2/46.3/46.4/46.5/46.6/46.7/46.8/46.9/47.0/47.1/47.2/47.3/47.4/47.5/47.6/47.7/47.8/47.9/48.0/48.1/48.2/48.3/48.4/48.5/48.6/48.7/48.8/48.9/49.0/49.1/49.2/49.3/49.4/49.5/49.6/49.7/49.8/49.9/50.0/50.1/50.2/50.3/50.4/50.5/50.6/50.7/50.8/50.9/51.0/51.1/51.2/51.3/51.4/51.5/51.6/51.7/51.8/51.9/52.0/52.1/52.2/52.3/52.4/52.5/52.6/52.7/52.8/52.9/53.0/53.1/53.2/53.3/53.4/53.5/53.6/53.7/53.8/53.9/54.0/54.1/54.2/54.3/54.4/54.5/54.6/54.7/54.8/54.9/55.0/55.1/55.2/55.3/55.4/55.5/55.6/55.7/55.8/55.9/56.0/56.1/56.2/56.3/56.4/56.5/56.6/56.7/56.8/56.9/57.0/57.1/57.2/57.3/57.4/57.5/57.6/57.7/57.8/57.9/58.0/58.1/58.2/58.3/58.4/58.5/58.6/58.7/58.8/58.9/59.0/59.1/59.2/59.3/59.4/59.5/59.6/59.7/59.8/59.9/60.0/60.1/60.2/60.3/60.4/60.5/60.6/60.7/60.8/60.9/61.0/61.1/61.2/61.3/61.4/61.5/61.6/61.7/61.8/61.9/62.0/62.1/62.2/62.3/62.4/62.5/62.6/62.7/62.8/62.9/63.0/63.1/63.2/63.3/63.4/63.5/63.6/63.7/63.8/63.9/64.0/64.1/64.2/64.3/64.4/64.5/64.6/64.7/64.8/64.9/65.0/65.1/65.2/65.3/65.4/65.5/65.6/65.7/65.8/65.9/66.0/66.1/66.2/66.3/66.4/66.5/66.6/66.7/66.8/66.9/67.0/67.1/67.2/67.3/67.4/67.5/67.6/67.7/67.8/67.9/68.0/68.1/68.2/68.3/68.4/68.5/68.6/68.7/68.8/68.9/69.0/69.1/69.2/69.3/69.4/69.5/69.6/69.7/69.8/69.9/70.0/70.1/70.2/70.3/70.4/70.5/70.6/70.7/70.8/70.9/71.0/71.1/71.2/71.3/71.4/71.5/71.6/71.7/71.8/71.9/72.0/72.1/72.2/72.3/72.4/72.5/72.6/72.7/72.8/72.9/73.0/73.1/73.2/73.3/73.4/73.5/73.6/73.7/73.8/73.9/74.0/74.1/74.2/74.3/74.4/74.5/74.6/74.7/74.8/74.9/75.0/75.1/75.2/75.3/75.4/75.5/75.6/75.7/75.8/75.9/76.0/76.1/76.2/76.3/76.4/76.5/76.6/76.7/76.8/76.9/77.0/77.1/77.2/77.3/77.4/77.5/77.6/77.7/77.8/77.9/78.0/78.1/78.2/78.3/78.4/78.5/78.6/78.7/78.8/78.9/79.0/79.1/79.2/79.3/79.4/79.5/79.6/79.7/79.8/79.9/80.0/80.1/80.2/80.3/80.4/80.5/80.6/80.7/80.8/80.9/81.0/81.1/81.2/81.3/81.4/81.5/81.6/81.7/81.8/81.9/82.0/82.1/82.2/82.3/82.4/82.5/82.6/82.7/82.8/82.9/83.0/83.1/83.2/83.3/83.4/83.5/83.6/83.7/83.8/83.9/84.0/84.1/84.2/84.3/84.4/84.5/84.6/84.7/84.8/84.9/85.0/85.1/85.2/85.3/85.4/85.5/85.6/85.7/85.8/85.9/86.0/86.1/86.2/86.3/86.4/86.5/86.6/86.7/86.8/86.9/87.0/87.1/87.2/87.3/87.4/87.5/87.6/87.7/87.8/87.9/88.0/88.1/88.2/88.3/88.4/88.5/88.6/88.7/88.8/88.9/89.0/89.1/89.2/89.3/89.4/89.5/89.6/89.7/89.8/89.9/90.0/90.1/90.2/90.3/90.4/90.5/90.6/90.7/90.8/90.9/91.0/91.1/91.2/91.3/91.4/91.5/91.6/91.7/91.8/91.9/92.0/92.1/92.2/92.3/92.4/92.5/92.6/92.7/92.8/92.9/93.0/93.1/93.2/93.3/93.4/93.5/93.6/93.7/93.8/93.9/94.0/94.1/94.2/94.3/94.4/94.5/94.6/94.7/94.8/94.9/95.0/95.1/95.2/95.3/95.4/95.5/95.6/95.7/95.8/95.9/96.0/96.1/96.2/96.3/96.4/96.5/96.6/96.7/96.8/96.9/97.0/97.1/97.2/97.3/97.4/97.5/97.6/97.7/97.8/97.9/98.0/98.1/98.2/98.3/98.4/98.5/98.6/98.7/98.8/98.9/99.0/99.1/99.2/99.3/99.4/99.5/99.6/99.7/99.8/99.9/100.0/100.1/100.2/100.3/100.4/100.5/100.6/100.7/100.8/100.9/101.0/101.1/101.2/101.3/101.4/101.5/101.6/101.7/101.8/101.9/102.0/102.1/102.2/102.3/102.4/102.5/102.6/102.7/102.8/102.9/103.0/103.1/103.2/103.3/103.4/103.5/103.6/103.7/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