OpenText Gupta Products
Today and Tomorrow

November 2019, Martin Teetz
Gupta Products Agenda

• OpenText – the Information Advantage

• Where we are today
  ◦ Low TCO embeddable SQL database
  ◦ Agile lowcode web and mobile software development
  ◦ Agile lowcode desktop software development

• Where we will be tomorrow
  ◦ Continuing to provide high value for TeamDeveloper, TDMobile and SQLBase
OpenText – the Information Advantage

#highvalue #software #SQLBase, #TDMobile, #TeamDeveloper
The Digital Evolution

- **Client/Server**
  - Starting 1990
  - Beginning of network computing (LAN)

- **Internet**
  - Mid 90s
  - Centralized web applications

- **Process Advantage**
  - 2000+
  - Complex ERP type applications
  - The age of the Process Advantage

- **Information Advantage**
  - Today
  - Integrate all IT systems and data sources to provide data for the Information Advantage
OpenText Information Advantage

Team Developer and TD Mobile apps

Vertical Solutions

ERP CRM etc.

Data from smartphones

Production Machines

Mobile data sources like cars etc.

Document Management

EIM DM for SMB

BI & AI

Reporting

Cloud data services

AWS Azure etc

MongoDB and others

Financials

TD and TDM are Open

Vertical Solutions

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### OpenText Products for SQLBase, Team Developer and TD Mobile

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Brava! Desktop IXL</strong></td>
<td>API for PDF A1-b/A2-b/E generation</td>
</tr>
<tr>
<td><strong>eDOCS</strong></td>
<td>Document Management for SMB</td>
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<tr>
<td><strong>Business Intelligence</strong></td>
<td>Multi-source Business Intelligence</td>
</tr>
<tr>
<td><strong>Magellan Artificial Intelligence</strong></td>
<td>Enterprise Reporting and AI</td>
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</tbody>
</table>
Where we are today

#highvalue #software #SQLBase, #TDMobile, #TeamDeveloper
#SQLBase 12 - Low TCO embeddable SQL database

**Multithreading Performance**
- Higher scalability through multithreading
- Performance enhancements through operating system multithreading

**Automatic Database Upgrades**
- Maintenance automation
- Modern DBA tool
- SQL language and function additions
- Automated upgrading of databases from SQLBase 9.x

**New Administration Tool**
- SQLTalk Plus enhancements
- SQL language and function additions
- .NET Core database driver

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**SQLBase 12.0**

**SQLBase 12.1**

**SQLBase 12.2**
SQLBase 12.2

- SQLTalk Plus fortifications
- Windows Task Scheduling
- Database auditing
- Server, database and user statistics
- SQL language and functions
  - Ifbool function
  - Is string numeric function
  - Select with limit and offset
- .NET Core database driver
- And more
#TDMobile 2 - #agile #lowcode #web and #mobile #softwaredevelopment

**Hybrid Native Mobile**
- Compile apps to hybrid native
- Support device features like barcode scanning, notifications, SQLite access etc.
- UX dialogs

**Editable Table – Many UX Features**
- Editable tables
- New range slider control
- Conditional color formatting
- Many new events
- REST API

**Source Control**
- Source control
- Re-usable JavaSript
- Re-usable client code
- Limit & skip for data operations

**Programming and UX Enhancements**
- Programming enrichments
- New date/time picker
- Reporting fortifications
- Many new APIs

TD Mobile 2.0
TD Mobile 2.1
TD Mobile 2.2
TD Mobile 2.3
TD Mobile 2.3

• **Programming enrichments**
  • Global constants, global binds
  • Dynamic connection strings
  • Application wide events
  • REST header and URL parameter support
  • New string encryption API
  • Regex search and replace

• **New date/time picker**

• **Reporting fortifications**
  • Watermarks
  • Conditional formatting

• And more
#TeamDeveloper 7  - #agile #lowcode desktop 
#softwaredevelopment

### Team Developer 7.0
- **32-bit and 64-bit Applications**
  - 32-bit and 64-bit application development and deployment
  - REST API
  - Grid filtering
  - New status bar for window objects

### Team Developer 7.1
- **Multithreading – Source Control**
  - Source control
  - Application multithreading
  - Custom theme
  - .NET WPF controls for Win32 and Win64
  - ACA microhelp for internal, external and user functions

### Team Developer 7.2
- **Code Profiling – Low Code REST**
  - Code profiling
  - Low code REST wizard
  - Many new APIs
  - New modern theme
  - Report Designer enhancements
Team Developer 7.2

- Code profiling
- Low code REST wizard
- Many new APIs
  - Windows notifications
  - REST header and URL parameter support
  - New string encryption API
  - Regex search and replace
- New Office 2016 theme
- Report Designer enhancements
Where we will be tomorrow

#highvalue #software #SQLBase, #TDMobile, #TeamDeveloper
**SQLBase Roadmap**

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**Gupta SQLBase 12.2**  
released July 2019

- **Enhanced SQLTalk Plus for easy server and user administration**  
  - Database auditing  
  - Scheduled tasks via Windows scheduler  
  - Simple access to server, database and user statistics and related actions

- **SQL language enhancements**

- **NET Core Database Driver**

- **New server console**

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**Gupta SQLBase 12.3**  
Q2 2020

- **Security enhancements**  
  - Set password strength rules  
  - Data protection audit

- **Developer and query features**  
  - Support for the .NET Entity framework  
  - Reverse order @scan/@find

- **SQLTalk Plus enhancements**  
  - Visual editors for creating users and roles in SQLTalk Plus  
  - Scripting for insert commands

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Disclaimer: Release dates and feature lists are subject to change due to changing business and market needs
TD Mobile Roadmap

Gupta TD Mobile 2.3
released June 2019

Productivity and programming enhancements
• Update offline mechanism to new HTML5 "service worker API"
• Global binds, global client side constants
• Get/set connection string for data class
• Application wide events

UX enhancements
• New date/time picker control

Reporting enhancements
• Watermarks in reports
• Conditional formatting in reports

Gupta TD Mobile 2.4 Q1 2020

Reporting enhancements
• Business charts in Report Designer reports
• Page break for Report Designer reports

Date picker enhancements
• Display calendar week
• Array binding to load/read multiple selected dates
• Set week start day

Customer requested features

Disclaimer: Release dates and feature lists are subject to change due to changing business and market needs
## Team Developer Roadmap

<table>
<thead>
<tr>
<th>Code analytics</th>
<th>REST enhancements</th>
<th>IDE features</th>
<th>Programming features</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Low code REST, generate UDVs from URL or JSON</td>
<td>• Debug with app parameters</td>
<td>• Windows notifications</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>• Save files as UTF8</td>
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<td></td>
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<td></td>
<td>• String search &amp; replace with regular expressions</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>• Dynamic connection strings</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• New string encryption API based on AES 256</td>
</tr>
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<td>Report Designer in Report Builder</td>
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<table>
<thead>
<tr>
<th>UX control anchoring</th>
<th>Enhanced code profiling</th>
<th>SalMail security updates</th>
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<tbody>
<tr>
<td>• Anchoring of controls to support control resizing in relation to the container size</td>
<td>• Grid view of results for easy sorting by execution time or hit count</td>
<td>• TLS 1.2 support etc.</td>
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<tr>
<td></td>
<td>• Add custom profile points</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Runtime errors to profile</td>
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</table>

**TD apps Windows store ready**

**Source control enhancements**

- Branching

**Report Builder**

- Conditional display for pictures
- New zoom levels for preview

**Customer requested features**

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**Disclaimer:** Release dates and feature lists are subject to change due to changing business and market needs.
TD Window Resizing/Scaling

**Two scenarios**

- I want to increase the window size to see the font size increase for better readability
  - Mostly requested for UHD displays
  - This is done via Windows scaling settings

- I want to increase the window size to see more content
  - This is done via control anchoring
  - Behavior like Microsoft Outlook for example

*Table*

<table>
<thead>
<tr>
<th>Anchoring Enabled</th>
<th>Vertical Anchor</th>
<th>Horizontal Anchor</th>
<th>Minimum Width</th>
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<tr>
<td>Yes</td>
<td>Top</td>
<td>Left</td>
<td>5.0&quot;</td>
<td>2.0&quot;</td>
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</tbody>
</table>
Team Developer and UHD Displays – Increase Font Size

- TD Window font scaling depends on Windows Scale and Layout settings
- It is all automatic
  - From TD 7.0.6, TD 7.1 and later
- If you are using TrueType fonts
Team Developer and UHD Displays Details

- Older TD versions did use a non-True Type system font
- This will create scaling issues on UHD displays
- Applications ported from older TD versions likely have a non-True Type font setting
- Change your applications to use True Type fonts
- TD 7.1 and later are using Microsoft Sans Serif True Type as the TD default font
Hints For Older Or Non-True Type Applications

• Right mouse-click on .exe file
• Select „Compatibility“ tab
• Press „Change high DPI settings“
• Select „High DPI scaling override“
• Set listbox to „System“
Demo TD 7.3 Control Anchoring

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Questions and Answers

- SQLBase
- TD Mobile
- Team Developer
Thank you

#agile #lowcode #softwaredevelopment
#TDMobile #TeamDeveloper #dotnet #WEB #android #ios

Low #TCO embeddable #SQL #database
#SQLBase

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