

# What's new in OpenText™ Gupta Team Developer 7.1

Enhance productivity and usability through multithreading, source code management and custom themes

OpenText Gupta Team Developer (TD) 7.1 introduces enhancements in software development, source code management and UX design. The new multithreading feature for TD applications enhances productivity and usability by enabling developers to create applications that remain responsive to the user while larger tasks are completed. Access to source code management systems and their functionality from within TD makes it easy for developer teams to collaborate and manage their code versions. New custom themes unleash UX design possibilities that include customizing even small design aspects of TD applications. Several new Active Coding Assistant features improve developer productivity by providing enhanced micro help for self-written and system functions.

## Multithreading

TD developers can now leverage the new multithreading capabilities and implement code that performs in the background without blocking the main UX thread. Background tasks can be long-running database queries, .NET reports or other processing intense code.

Developers can create Background Worker classes that contain the thread code, create instances of thread classes on the window level and trigger threads from within the instance definition on a window. A single window can trigger multiple threads, improving developer productivity.

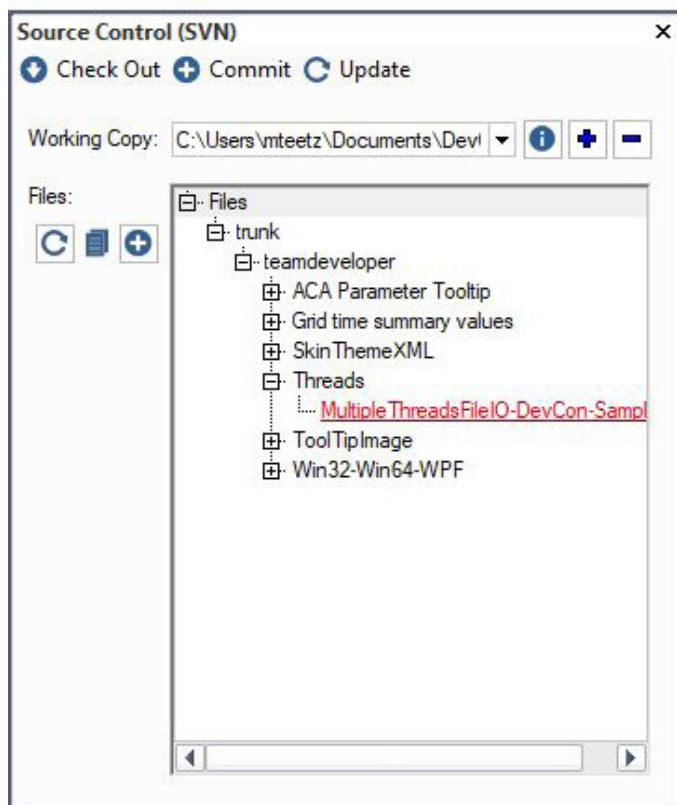
## NEW FEATURES

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- *Build applications that remain responsive during large processing tasks using multithreading*
- *Access source code management repositories from within TD IDE*
- *Use with popular cloud code repositories such as Git, SubVersion and Team Foundation Server*
- *Design corporate applications using custom themes*
- *Preview .NET WPF controls in layout and use .NET WPF controls with Win32 and Win64 applications*
- *View micro help for all functions using the enhanced Active Coding Assistant*
- *Ready for Microsoft® Windows® 10 and Windows® Server 2016*

## Team source code management

Developers can use popular source code and version control systems like Git, SubVersion and Team Foundation Server from within TD; leverage intranet or cloud code repositories for TD source code; and access all project files, including version branches, from within TD. Developers can also submit changes to and download updates from the central repository. TD applies a merge when downloading updates to keep all code synced. The TD diff tool tracks down changes between different versions of a source file and then merges changes upon user request. Popular cloud code repositories, like Github and SourceForge, can easily be used with TD to support worldwide, dispersed developer teams.



A sample of customization possibilities, including windows backgrounds, ribbon tab backgrounds and grid header backgrounds.

- ◆ Background Threads:
  - ◆ bwFileIO: oThread
    - ◆ Thread Events
      - ◆ Thread Before Start
      - ◆ Thread Report Progress
        - ◆ Event Parameters
        - ◆ Actions
          - ◇ Call SalListInsert ( IbThreadProgress, 0, "Thread 1: " || strProgress )
          - ◇ Set prbThread = nProgress
      - ◆ Thread Finished
      - ◆ Thread Report Error
  - ◆ bwFileIO: oThread1
    - ◆ Thread Events
      - ◆ Thread Before Start
      - ◆ Thread Report Progress
      - ◆ Thread Finished
      - ◆ Thread Report Error

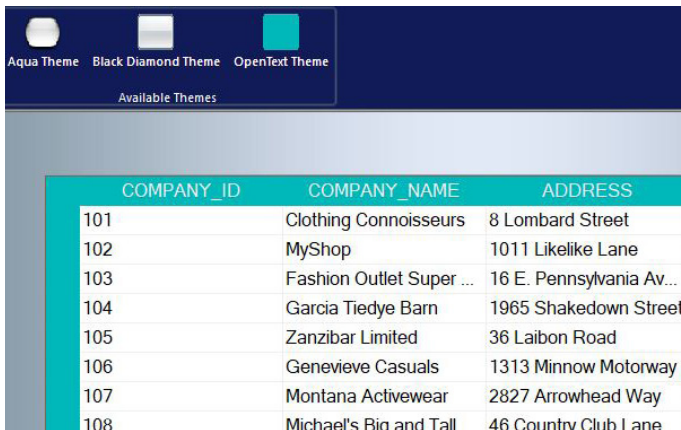
A sample of source code thread instance definitions.

## Custom themes

TD now provides the capability to fully customize design themes. Developers can create a UX design based on corporate design specifications or UX guidelines. All visible objects and states of objects can be designed as needed.

## More productivity and UX enhancements

- Enriched library of powerful UX controls available in multiple design themes
- Enhanced Active Coding Assistant (ACA) for easy, intuitive developer use
  - Displays micro help for self-written functions, including external functions when document comments have been added
  - Displays micro help for all built-in TD functions, releasing developers from looking up function definitions in the help system



The screenshot shows the OpenText TD app interface with a custom theme applied. At the top, there is a dark blue header with three theme selection buttons: 'Aqua Theme', 'Black Diamond Theme', and 'OpenText Theme'. Below the header, a table displays company data with a teal header and a teal sidebar on the left.

COMPANY_ID	COMPANY_NAME	ADDRESS
101	Clothing Connoisseurs	8 Lombard Street
102	MyShop	1011 Likelike Lane
103	Fashion Outlet Super ...	16 E. Pennsylvania Av...
104	Garcia Tiedye Barn	1965 Shakedown Street
105	Zanzibar Limited	36 Laibon Road
106	Genevieve Casuals	1313 Minnow Motorway
107	Montana Activewear	2827 Arrowhead Way
108	Michael's Big and Tall	46 Countrv Club Lane

*The TD app with a custom theme applied.*

## OpenText™ Gupta SQLBase 12.1 included

OpenText Gupta Team Developer 7.1 includes the latest OpenText Gupta SQLBase multithreading capable database release for development and testing purposes.

## About OpenText

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