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# OpenText Gupta Team Developer 7.4

Agile low-code, high-value desktop software development



## Easy **loop programming**

## Powerful **reporting**

## **Window zooming** for improved readability on high resolution displays

## More **deployment options**

**Organizations are under constant pressure to deliver more results with fewer resources. This is no difference in software development, software products, new versions, and development projects, which need to be delivered quickly to stay ahead of the competition, increase productivity and keep overall costs low.**

### Easy loop programming

New ForEach loops reduce development effort when it comes to loops that work through arrays of variables. The ForEach loops process every single item in an array without the programmer having to query the number of elements and stepping through the elements manually. Also, the loop element variable automatically contains the values of the current array element. No need for square brackets and counting of elements to access element variable values. All in all, the programming of loops is much simplified.

Another loop enhancement is the new Continue statement. Using the Continue statement inside loop code immediately jumps to the next loop iteration without executing further code steps. Giving developers more control about their loop execution code.

### Powerful reporting and many other reporting enhancements

Reporting always has been an integral part of business applications developed with Gupta Team Developer.

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Using images in reports has been enhanced. Transparency of PNG images is honored, and Exif image orientation data is honored as well. Additionally, the report picture controls can now use conditional display based on formula computations. Only if the underlying formula is true will the picture be displayed.

Before Team Developer 7.4, 8 break groups could be defined to organize the data contents of a report. Team Developer 7.4 and Report Builder 7.4 allows to create up to 16 break groups for complex data driven reports.

Printing reports now allows for duplex printing to save paper resources. A new API is introduced to directly print PDF files.

## Window zooming for readability on high resolution displays

To support high-definition displays, like for example 4K displays, window zooming is introduced in Team Developer 7.4. Using window zooming the contents of an application window can be increased and decreased in size using a new API call. When using applications created for smaller displays, these windows show up rather small on UHD displays, making it hard to read the data content. Window zooming allows to increase the size of the content in a window making it easier to read and oversee the application data.

Team Developer 7.4 adds support for responsive layout for .NET applications. Responsive layout allows users to increase the size of an application window and see more data content, leveraging larger displays for higher productivity.

## More deployment options

Team Developer Win32 and Win64 applications can have nocode custom installers to ease the deployment of applications.

Gupta Team Developer is a complete solution that includes everything necessary to build .NET and Win32/Win64 desktop business applications, including a powerful IDE (Gupta SQLWindows), a comprehensive UX assembly kit, intelligent connectivity to databases and services, a database for development and testing, a reporting tool and a team and source management solution. It accelerates software development so organizations can do more with fewer resources. Users can deliver more software projects than their competition in less time at a lower cost, helping them win new projects.
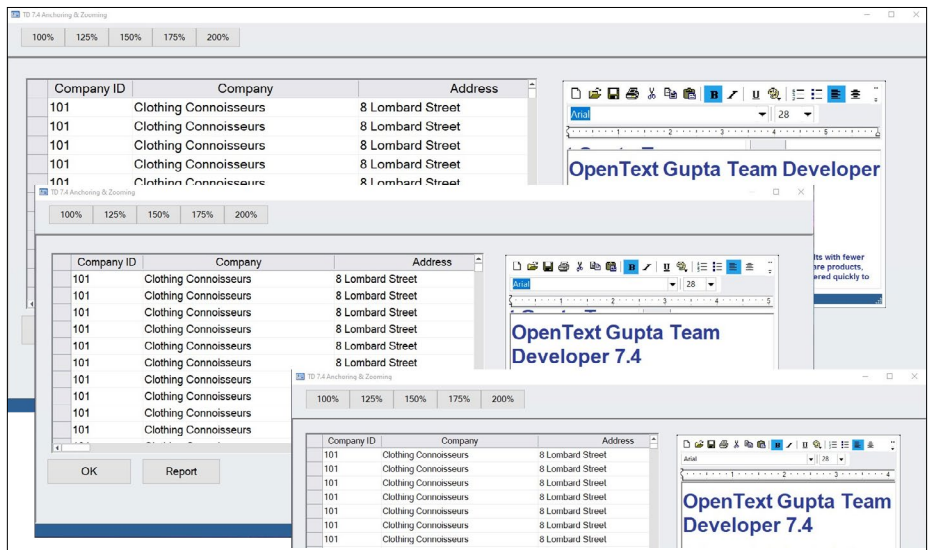
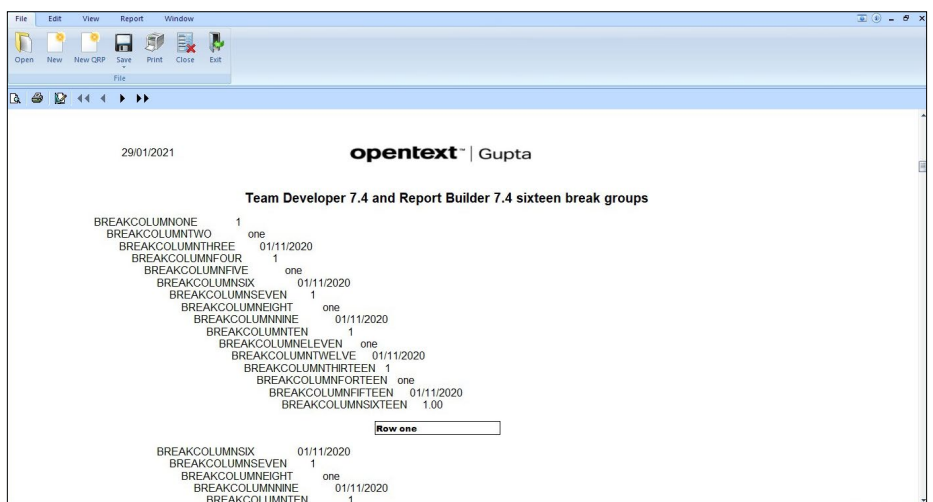| Product features | |
|---|---|
| ForEach loop | Easy new loop to iterate through all elements of an array of variables. |
| Continue statement | Jump to execute the next iteration of a loop. |
| PNG images | PNG transparency is supported in reports. |
| Image orientation | Exif image orientation data is supported with report images. |
| Increased number of break groups | Reports can now have up to 16 break groups, 8 with previous versions. |
| Duplex printing | Reports can be printed using duplex printing. |
| Print PDF files | A new API to print PDF files is available. |

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| Product features | |
|---|---|
| Window zooming | New API to support zooming of application windows. |
| Responsive layout for .NET applications | Leverage control anchoring with .NET applications. |
| Ribbon bar class | Developers can now define and use ribbon bar classes. |
| Control anchoring | • New Anchor Maximum Width and Anchor Maximum Height properties to avoid control overlapping when window size is increased.<br>• MDI toolbar contents now participate in control anchoring.<br>• Grid columns can participate in control anchoring. |
| Rich text control | • New API to set/get the control to read-only.<br>• New flag to paste clipboard content formatted or as plain text. |
| Tab pages | New API to check enabled state of a tab page. |
| Date picker | New API to select dates in a date picker control. |
| Grid data export | New API allowing to transfer the grid cell size to an Excel spreadsheet when exporting. |
| Win32/64 custom HTTP header for Web Services | New API to allow usage of custom HTTP headers for example for oAuth authentication. |
| TD Win32/64 installer generator | Create custom application installers from the Team Developer IDE. |
| Oracle XMLTYPE support | Use Oracle XML column types. |
| Source control | Git branching and pull have been added. |
| Notification API | A new API is available to remove notification(s) from the notification area. |
| New date APIs | New APIs to get the last day of the month of a given date and new function to add n number of days to a date. |

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Application window using 100%, 125% and 150% zoom level



Report using 16 break groups in preview mode

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