

# Completely flexible forms, advanced PDF styling, and introduction to real-time pivot table/tree visualization.

This release introduces real-time tree visualization into the 3forge platform. It allows users to view aggregated data with the ability to drill down to underlying values, see updates within a fraction of a second and perform actions as needed.

With a focus on generating better and more customizable reports, functionalities have been added in AMIScript to style pages down to the cell level and build more PDF components.

Finally, all existing fields (radio buttons, checkbox, select etc) can now be added/removed programmatically, making forms completely dynamic and interactive.

## Web:

- Added ability for Transient Forms to export Transient Fields
- Added autocomplete delimiter option for TextFields
- Added halt until first time visible for real time tables
- Added Menu -> File -> Info
- Added onStartUpComplete callback on the dashboard level
- Added Options to Generic Jdbc Adapter -> SHOW\_TABLES\_CLAUSE and SUGGESTED\_CLAUSE
- Added support for Current and Default Where
- Added support for relationships to and from realtime trees
- Added support for realtime downstream for realtime trees
- Added support for Tree's and Quick Filters
- Added Quick Filters for Tree Panels
- Added \_\_CONFLATE for javascript callbacks
- Added \_\_CONFLATE for quick filters
- Better Error on Missing Email Config
- Change logins to use file backed authentication by default
- Different icons for transient and readonly panels
- Enabled f1.console.port by default
- Export Preferences wizard now has quick filter columns to quickly filter through data
- For Stored Procedures, trailing arguments that allow null can be omitted when using CALL
- Make Text inside Alert/Confirm Dialogs Selectable for Copy and Paste
- Help -> About Reports Version of Ami
- Improve File Browser for Windows handles paths as well as networked drives
- Improve Git Adapter
  - » Add config options Branch and Origin
  - » Add support for Auth and SSH
- Improved Performance of TreePanels - Faster Trees!
- Improve the Source Control Settings with a new look and additional options.
- Support for quick filters in variables tree
- Support for sorting the display values via AmiScript for TextField, SelectField, MultiSelectField and MultiCheckboxField
- Tree's Support Right Click for Relationships

## AMIScript:

- Added AmiScript methods for adding transient fields inside FormPanel
  - » Color Gradient Picker field
  - » Color Picker Field
  - » Date Field
  - » Date Range Field
  - » Date Time Field
  - » Div Field
  - » Image Field
  - » MultiCheckbox Field
  - » MultiSelect Field
  - » Password Field
  - » RadioButton Field
  - » Time Field
  - » Time Range Field
  - » Upload Field
- Added amiscript method session::getUrl() and onUrlParams() callback
- Added callback to TablePanels TablePanel::onQuickFilterTyping
- Added custom methods catUniqueAsc, catUniqueDes
- Added FormPanel::onAmiJsCallback()
- Added FormPortletFieldAutoCompleteExtension::setDelimiter(..)
- Add Panel::getDatamodels()
- Add PdfBuilder::set/getColumnWeight
- Added session::logout()
- Added TablePanel::asTable(options, cols)
- Added TreePanel::asTable(options, cols)
- Added TreePanels::asTable(...)
- Added Table::alterColumn(...) added PdfText class, added pdf subscript and superscript
- Added 6 stats amiscript methods to Datamodel class
  - » Datamodel::getConsecutiveRequeriesCount()
  - » Datamodel::getErrorsCount()
  - » Datamodel::getExecutedCount()
  - » Datamodel::getExecutedTotalMillis()
  - » Datamodel::getNextExecutionTime()
  - » Datamodel::getLastExecutionTime()
- Better error handling in amiscript
- HeatmapPanel::getSelectedRows HeatmapPanel::getSelectedUnderlyingRows, onSelected callback for heatmap
- PdfBuilder::addCellStyle support alignment for font style now

## AMIDB:

- Added DESCRIBE ... FROM , added SHOW ... FROM
- Added support between in query index, ex: id>100 && id<120
- Optimizing Indexes In order and between clause
- SIGNIFICANT SQL CHANGE: select count(\*) from now returns 0 instead of empty table

## Logging:

- Added AmiCenterStoredProcs, AmiCenterTimers, AmiCenterTriggers to AmiOne.amilog file
- Added better Logging in Debugger for UPLOAD and SHOW TABLES
- Added date in AmiMessages.log
- Added stats to datamodel for autorequery counts
- Better error message on import layout error
- Better error message when creating state fails
- Better error on invalid relationships
- Better logging for Web add Username in details
- Improved logging for email client connectivity errors

## Properties:

- Added email.client.ssl.protocols option to email client
- Add property ami.allow.same.site.framed
- Changed ami.center.log.stats.period.millis default to 15 seconds from 10

## Styling:

- Added public\_ prefix for css classes that can be used directly in html
- Added Row Level Foreground and Background Styling
- Added Styling Options for Tree Quick Filter Panels

**If you have any questions about these new features or would like a demo, please email [info@3forge.com](mailto:info@3forge.com).**