# Application Requirements Deployed To Production

* QCTC from 03/08/2021 – 03/12/2021
* The IDAP Team deployed IDAP 4.6 to Production as scheduled on 04/09/2021.

# Application Requirements Completed In The Most Recent Code Freeze

## Financial Statement Query Viewer (FSQV):

New Features:

* Implemented “Past SIC” support and provide a checkbox option (unchecked by default) in all views with SIC2, SIC 4 and CF industry search filters so that when checked include companies who “ever” had the selected or associated SIC’s.
* Implemented functionality to expand Upload List CIK's to handle 500, programmatically remove after first 500. Implemented functionality to provide message if the list contains more than 500 distinct CIK.
* Implemented date format changes across FSQV as YYYY-MM-DD for CSV (e.g., period end, filing data).
* Implemented new columns to include company business address, mailing address and former name data in filing search results.
* Implemented automatic/critical announcements popup based on the priority.
* Implemented announcement icon and pop-up box from header.
* Implemented “Custom Only” checkbox for the Fact Search.
* Implemented Calculation parent search in Fact Search (for combined search).
* Implemented Stage 1 of KPI support in user profiles at the element fact level.
* Implemented feature to clear user filters when the filings link is sent in URL from iView and MAXDS.
* Implemented feature to restrict 8-K cover when the filings link is sent in URL from iView and MAXDS.
* Implemented re-enabling of Ticker link
* Implemented hover over functionality for Ticker to show stock market exchange on hover.
* Implemented Benchmark Q4 logic updates
* Implemented icons for historical and table view on Statements page.
* Implemented Stealth Change Report and columns for the Fact Search.
* Implemented Parenthetical Columns for Fact Search
* Implemented performance improvement throughout the application.
* Implemented addition of a #Dim dimension count filter in fact search advanced options.
* Implemented Filing Search custom tag rate by statement and footnotes columns functionality.
* Implement enhancements to combine search lookup UI with supporting meta data and related elements.
* Implemented increased column width for Footnote and MD&A matching text
* Implemented on hover text for csv download for the following data columns: SIC, Past SIC, Status, and ticker
* Updated guided tour to incorporate new features.
* Updated UI and Default columns for all views based on feedback
* Implemented Integrated Automated testing

Bug Fixes:

* Fixed CSS related issues for benchmark graph.
* Fixed CSV download filename issue for MDA Search.
* Fixed CSV download to include MD&A matching text
* Resolved bad char in MD&A CSV matching text in FSQV
* Removed Share and Recommend buttons from Custom Group Share functionality
* Fixed Edge browser related issues
* Removed link from market cap column in FSQV.

Configuration and Software Changes:

* Implemented Solr indexing changes to improve performance.

## Audit Analytics Query Viewer (AAQV):

New Features:

* Implemented save query feature for all state, country region options in all AAQV pages
* Implemented Date format changes for Bankruptcy date fields
* Implemented Audit links and engagement Partner links in Audit Analysis page
* Renamed Audit Partners page to Audit PCAOB Form AP
* Implemented restriction to default CSV behavior for auditors page when no options are selected
* Implemented consolidated auditor view from Audit Analytics and PCAOB sources in AAQV
* Implemented PCAOB Reg Num Column to show Auditor source in Auditor search page
* Implemented drill down links for issuer count and other firms count in Auditor search page
* Implemented addition of disclosure controls text in disclosure controls search results and CSV
* Implemented UI changes to Effective internal controls column in Internal controls search results page
* Implemented Year option instead of Calendar for Audit report Date, Form AP File Date and Fiscal Period End date and Auditor PCAOB
* Implemented Firm Country (HQ) filter in Audit PCAOB Form AP
* Implemented Other Firm name Search feature in Audit PCAOB along with text formatting changes to Audit Divided Info and Audit Not divided Info columns
* Implemented extraction of firm names from audit divided and audit not divided JSON content and stored in new table
* Implemented critical pop-up message functionality in AAQV
* Implemented announcement access from the header across AAQV
* Implemented removal of County of Inc. and US-GAAP/IFRS options from Restatement Analysis page to match with counts in restatement search page.
* Implemented performance improvement throughout the application.
* Implemented tour guide based on UI improvements and new views.
* Implemented Integrated Automated testing.

Bug Fixes:

* Added form name columns in CSV for all AAQV pages
* Fixed Audit PACOB Country, location filter issues while coming from Summary pages
* Fixed Going concern clear functionality in Audit Opinion page

Configuration and Software Changes:

* Implemented UI improvements per feedback.

## iView:

New Features:

* Make iView Edge compatible includes home page slowness, auto complete not working and all other style issues.
* Remove default custom group on home page to list all filings
* Made home page filings list server side pagination to improve performance
* Add cik as link, public float, and total assets on home page filings list.
* Implemented profile functions to home page.
* Implemented announcement on home page
* Implemented calculated Q4 to graph chart
* Improve MD&A section coverage to cover more filings
* Improve section search to includes MD&A subtitle search
* Made MD&A open in new window when it is an external file
* Implemented the keyword search on references tree
* Updated FASB references tree.
* Implement tree structure search on Axis and Member search to replace old Axis and Member filter.

Bug Fixes:

* Fixed Nan issue on more filter periods filed.
* Fixed issues with MD&A extraction.
* Fixed showing unnecessary FP on dimension graph
* Fixed Graph issue on tag entityPublicFloat.

Configuration and Software Changes:

* Implemented UI improvements per feedback.

## Multiple Application XBRL Delivery System (MAXDS):

New Features:

* Synchronized year slider on home and view result – the change on year slide on home page will be reflected on view results page
* Implemented data synchronization between Annual, Quarter, and Table display – three panes sync and reflect same year(s) data
* Implemented data synchronization on view result page between year slider and Annual, Quarter, and Table display pane
* Initial work on custom API. Create an API method to handle user Process request without going through UI components. Continue to make adjustment on parameter and response format based on user requirement and feedback.

https://{hostname}:18081/api/TermRule/ProcessRuleForEntity/{termId}/{cik}/{userId}

* Implemented changes from fsqv to fsqv-solr cross MaxDS, https://sp-us-deraodp01.ix.sec.gov:18443/fsqv-solr/filingSearchSolr
* Implemented feature to show/hide term tree on Home page by clicking. No impact on existing drag resize function
* Implemented user input data saving for Home Page. User data will be saved as before navigating to other pages.
* Implemented user input data saving for Export Page. User data will be saved as before navigating to other pages.
* Implemented user input data saving for Accuracy Test Page. User data will be saved as before navigating to other pages.
* Implemented FSQV filing link on profile and home page, by default 8-k cover will not be part of result set and also previous user filters will be reset for this URL link from MaxDS. If there are any old preferences, those need to deleted to get newer link.

Bug Fixes:

* Fixed ‘5e-324’ and ‘0’ issue when user export data with “Include Validation Info” checked
* Fixed issue that Override checkbox was checked by default on Export page, and make override checkbox unchecked while user change year from drop down
* Fixed issue in CVS file format when there is comma in a company name on Export
* Fixed the issue of duplicate quarter reports on View Results
* Fixed the issue of mismatch between View Result Bar Chart and record table below
* Fixed the issue with processing and show resolved on home page. It was broken in status saving feature, when user comes back
* Removed hardcoded FSQV link and replaced with DB property based on profile
* Resolved/Non Resolved on home page return same results
* Fixed the issue with Closing and cancel button on view result dialog
* Fixed creating new preference issue in Profile page
* Fixed sharing preference issue in Profile page
* Removed multiple term option when user create a new preference in Profile page
* Removed sharing to Everyone checkbox on sharing preference page

Configuration and Software Changes:

* Performed UI improvements based on testing/feedback.

## SEC Registrant Mapping System (SRMS):

New Features:

* Implement tab auto-selection based on input in Ticker page’s global search
* Allow for column filters under sub-tables with large number of records
* Toggle columns for tables containing a large number of columns
* Complement the Toggle Columns feature with a Revert Column button
* Reset Table button and Clear Search button included to clear user inputs and results
* Provide a Help Icon / Button with a link to SRMS documentation
* Readjust font and tooltip sizing to display more data with greater clarity
* Modify ETL procedures to process foreign & special characters to display correctly
* Modify global search to search for data present on main table and sub-tables
* Create the following new tabs for Ticker page: CUSIP, Former Names, Coregistrants
* Indicate to the user that data is being searched through a Loading spinner
* Improve initial load times, shortening it from ~20 to ~12 seconds
* Implement advanced search functionality to supports ISIN and BIC code lookups
* Create the following new tabs for the LEI page:   
  Relation Records, Reporting Exceptions, Other Names, Other Transliterated names
* Link LEI codes to their relevant entries on the search.gleif.org site
* Merge tabs with similar details (i.e. Legal, HQ, and Other Addresses   
  are now under the Addresses tab)
* Divide sub-tables with a large number of columns into multiple tables

Bug Fixes:

* Debug and fix issue where LEI column filters were not working

Configuration and Software Changes:

* Implemented UI improvements.

## Interactive Data Analysis Platform (IDAP) Project Common Operations:

New Features:

* Prepared 2020 Q4 Pub2, Pub1, RR datasets.
* Started monthly publication of notes and statements (pub2).
* Provided operational support – various ETLs e.g., AAQV, Firm Filing, Nic, Glief, Yahoo, EDGAR, XBRL, Cache, Solr, SQL, CIRA, CSTAT, OTC. Monitored and updated the reference tree.
* Implemented new ETLs for MD&A.
* Coordinated with OIT on various Production/server/network/patching/firewall issues.
* Performed testing – built automated testing using Selenium framework for all IDAP applications. Testing is integrated in Development cycle. Once build is in CI, it will be tested by peer developer and verified and validated by function analyst (BA).

Bug Fixes:

* None

Configuration and Software Changes:

* None

# Forecast For upcoming Quarter's Sprint Results

* The team is planning to deploy IDAP version 4.6 to Production on 04/09/2021, as planned. Below providedis a summary of forecast for the upcoming quarter.

## Financial Statement Query Viewer (FSQV):

* Implement Combine XBRL Submission Analysis Filers drilldown with the Filing Search instead of independent page
* Implement improvements to existing graphs to allow users to select type of graphs and colors, option to ‘save as PDF’ etc.
* Work on diffing enhancements.
* Updates to Welcome page to render threshold data.
* Implement upgrade to modern UI frameworks such as Angular 11.
* Possible Solr upgrade to the latest version
* Implement performance improvement throughout the application.
* Implement UI enhancements.
* Implement market cap feature to support three years of historical market cap from yahoo for companies as of a specific date (e.g., Market cap for all companies at 09/30/2020). Market Cap at period end date or filing date.
* Implement a link on Market Cap that will open line graph based on IDAP market data history.
* Implement Enforcement region filter.

## Audit Analytics Query Viewer (AAQV):

* Implement enhancements to Custom Groups, personalization such as triggering messages to users when certain conditions are met.
* Implement associated Auditor information in Audit fees, Audit opinions and CAM pages.
* Implement Market cap fields to use same source table across AAQV.
* Implement server-side pagination for pages with poor performance such as D & O changes, Audit Opinions, Litigation and Late Filers pages.
* Release Research and Implement More Key word Searching for Various Text Views
* Implement possible upgrade to Solr similar to FSQV text search.
* Implement Restatement Analysis - Add Parameters to the save graph functionality.
* Implement System Restrictions/Warning message for when a user tries to select an option that isn't from the dropdown.
* Implement additional row below Engagement Partner Average Partner (Marcum LLP) for Audit Analysis page
* Implement UI improvements by upgrading to modern UI frameworks such as Angular 11.
* Implement UI enhancements.
* Implement performance improvement throughout the application.

## iView:

* Make iView Edge compatible.
* Implement server-side processing for iView home to make it faster in all browsers.
* Improve MD&A section coverage.
* Implement section search for MD&A untagged section.
* Implement calculated Q4 for iView and FSQV benchmarking.
* Update iView Home page to make SIC default, hide CIK.
* Implement CIK link to open FSQV filing search and perform automatic search from iView home.
* Implement ability to set / save the default Custom Group separate from iView.
* Implement search by keyword option in reference tree.
* Implement Home page announcement section.
* Continue UI improvements upon request.
* Implement more automated test use cases.
* Implement requirements based on ongoing feedback.

## Multiple Application XBRL Delivery System (MAXDS):

* Analyze elastic search.
* Create API for processing term/company/year directly without going through UI.
* Analyze performance bottleneck for term processing.
* Continue user input data saving feature for rest of pages.
* Implement feature to link inline filing.
* Perform improvements to UI and business functionality.
* Create automated test cases.

## SEC Registrant Mapping System (SRMS):

* Upgrade user experience through UI enhancements and Quality of Life features
* Improve ETL procedures to automate more tasks
* Continue to add more data and reorganize existing tables for greater clarity
* Complete updates to LEI page started in previous quarter
* Work based on SMEs discussion and confluence updates.