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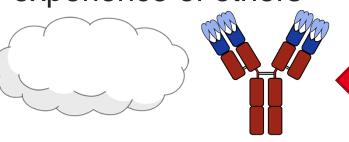


Evening Activity: Meet at the hotel lobby @ 5.30pm – Bus leaves at 6.00pm

UGM Goals

A chance to Learn from the experience of others

- Pre-competitively
- About D360 utilization
- About informatics challenges





A chance to guide strategic product direction

- Top 3 questionnaire
- Input to the D360 customer steering committee



- A chance to drive best practices
 - Data Analysis for pharmaceutical research
 - Research Workflows
 - Data architecture
 - Collaboration





Certara's D360 People in the Room

Thomas Kerbusch

Responsible for the Certara Consulting and Software Business

D360 Development Team

Scott Seaton: D360 Core Development team

Dale Neely: Principal Developer

Doug Webster: Principal Developer

D360 Services Team

Dennis Powell: Senior Scientific Consultant

Fabian Rauscher: Senior Informatics Consultant

Ian Ingram: Enterprise Informatics Consultant

Jason Burbank: Enterprise Informatics Consultant

Aaron Hohos: Enterprise Informatics Consultant

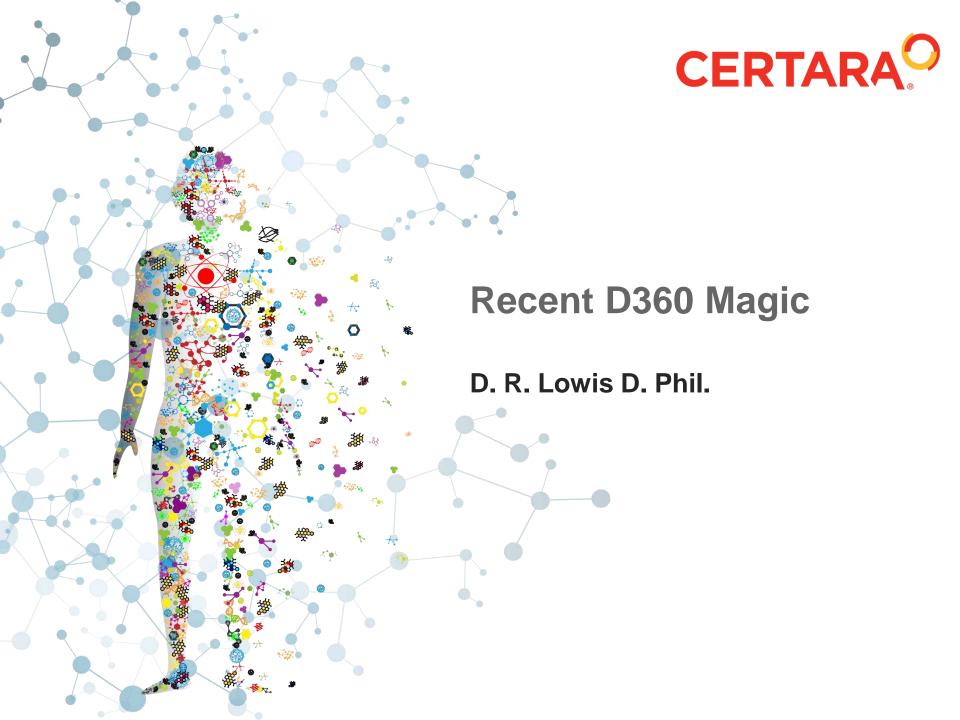
D360 Business Development and Marketing:

- Mannix Aklian
- Shawn Hasan
- Bradley Snipes
- Kristine Christie

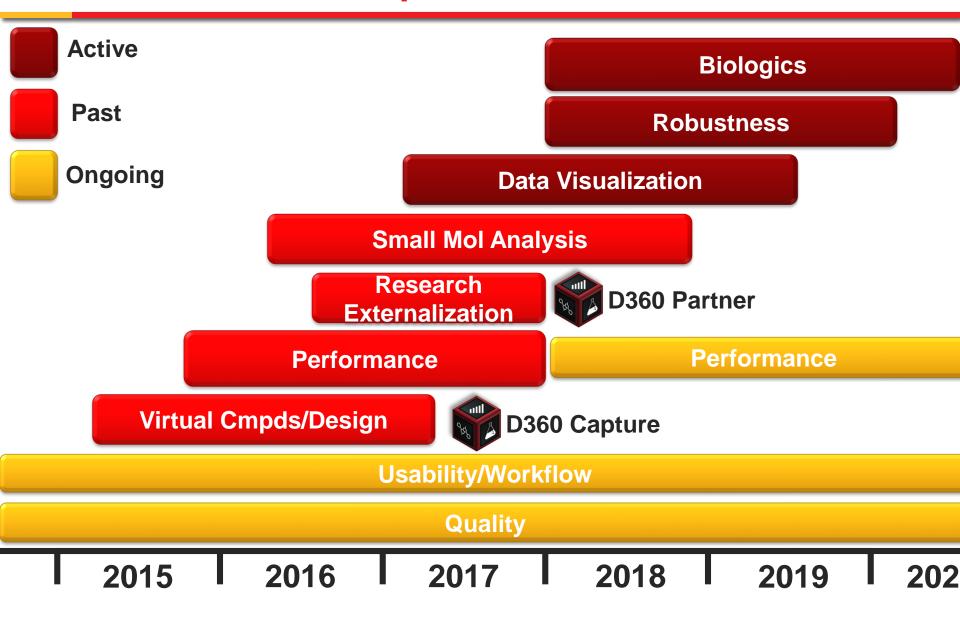








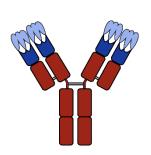
D360 Product Development Themes





Meeting Themes

- Biologics:
 - Roche
 - Regeneron
 - o Certara



- Deployment and Configuration:
 - Arvinas
 - Certara (x2)



- Data Workflows:
 - Merck KGaA
 - AstraZeneca (x2)
 - Eisai
 - Pfizer
 - Certara





Sources for D360 Development

- D360 Customer Steering Committee
 - Provides strategic direction for the product

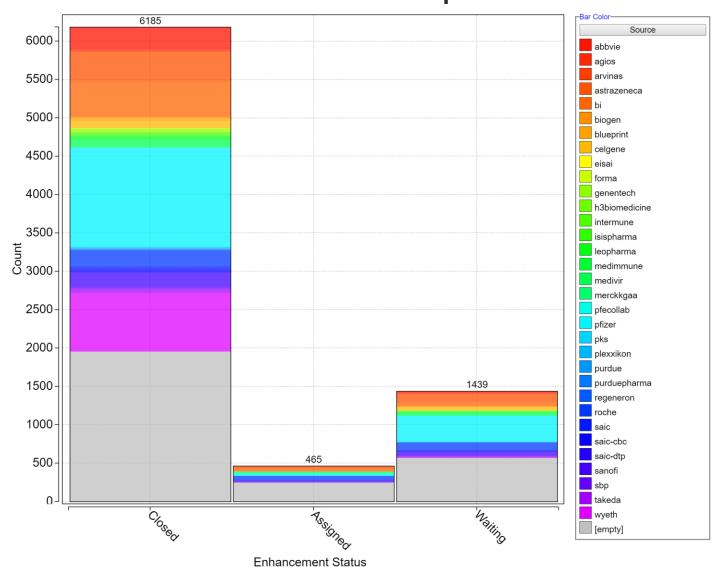
D360 Customer Steering Committee Priorities

- D360 data source robustness
- 2. Automated testing more robust testing
- 3. Logging and Monitoring
- 4. Biologics
- 5. Biology workflows curve rendering
- 6. Web AED/Display of dataset in web
- 7. Improved workflows



Sources for D360 Development

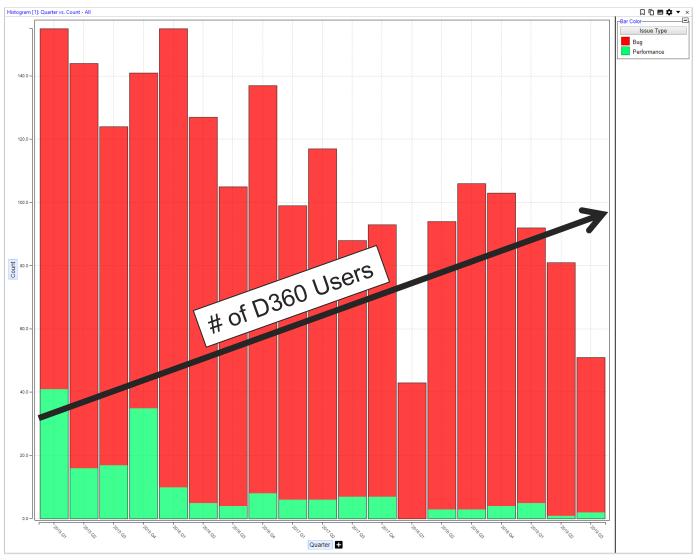
User Input: Direct via D360 & through conversation
8098 Filed Enhancement Requests





What about Quality...

Issues filed by end users





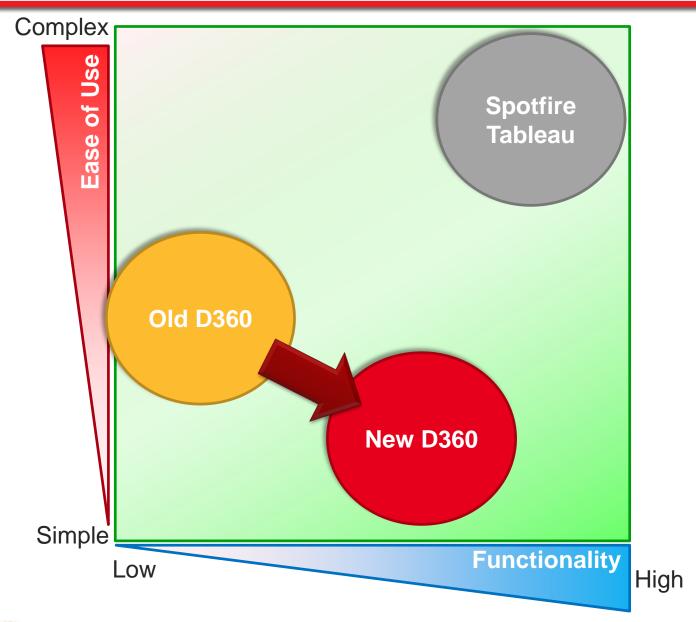
Recent (19.x) and Upcoming (20.1) D360 Releases

- Two D360 Releases per year:
- It's clear that you've worked with scientists to develop D360
 - Scientific data needs special treatment
 - Working closely with customers is key





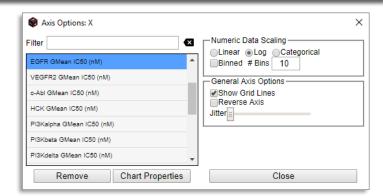
Data Visualization: The Target

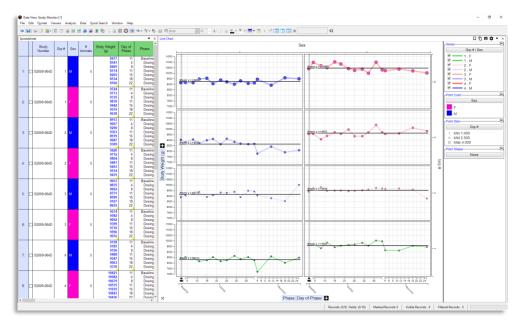




Key Design Features: All D360 Charts

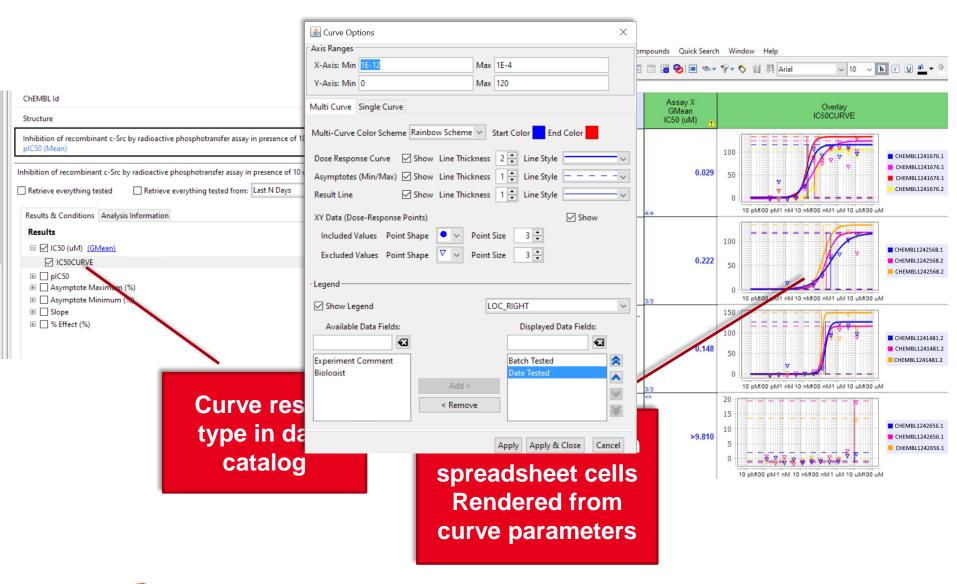
- Simple to use:
 - Simple axis options for common changes
 - Easy axis flip
 - Chart duplication
- The right level of functionality
 - User defined lines
 - Trellising
 - Selection from the Legend
 - 0 ...
- Attention to Scientific Detail
 - Linear/Log scaled axes
 - Structures on axes
 - Categorical axis ordering
 - Handles multi-value per cell data





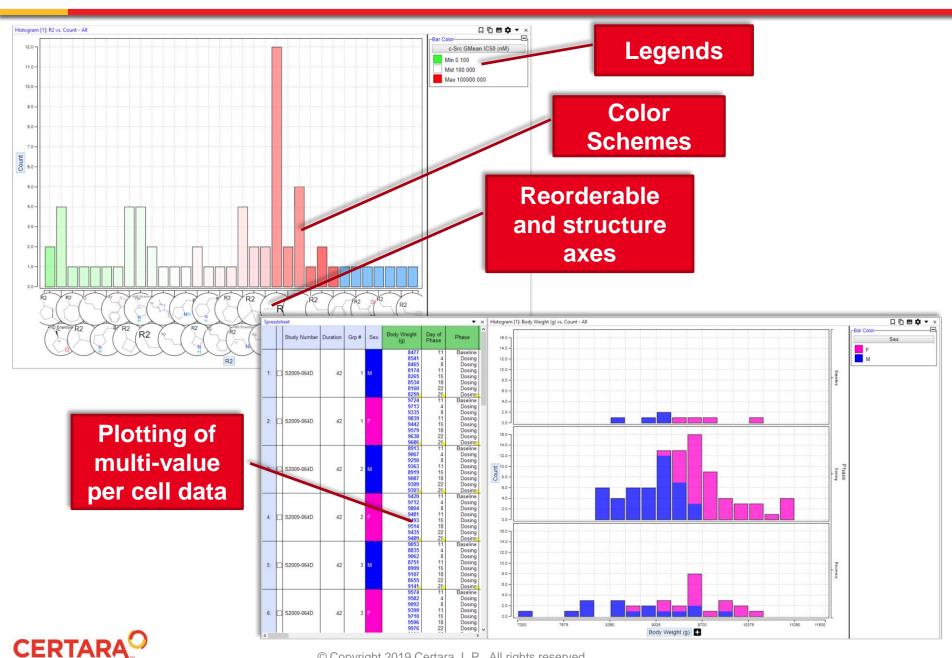


Data Visualization: Dose Response Curves





Data Visualization: Updated Histogram (Distribution)

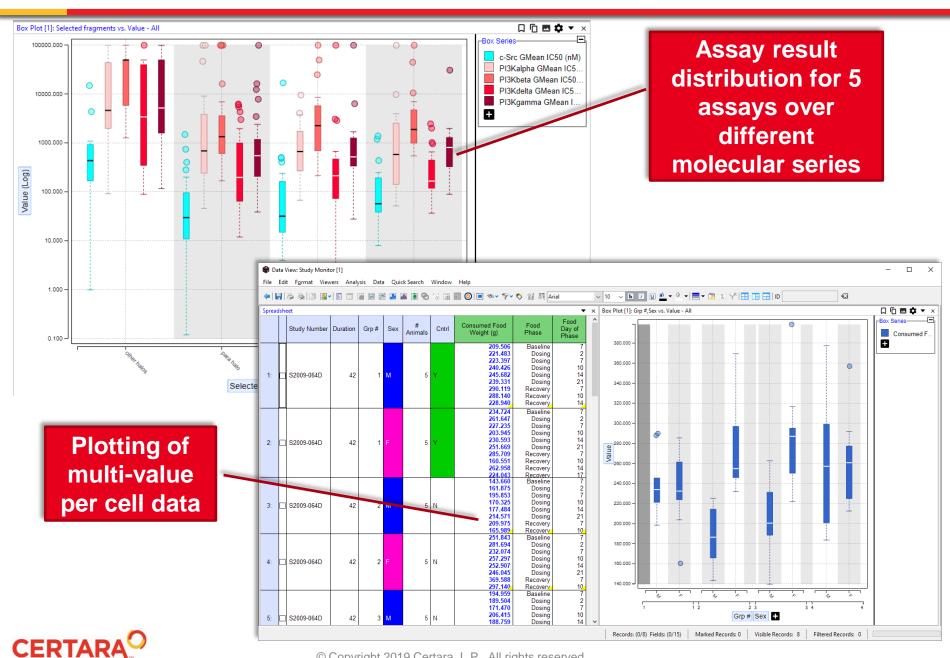


Data Visualization: New Bar Chart (Profiling)



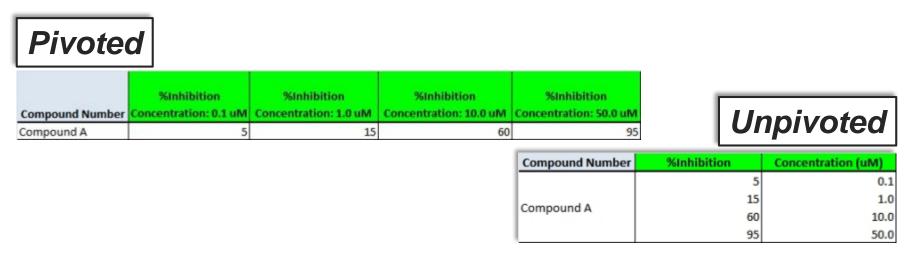
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Data Visualization: New Box Plots (Stats)



The Devil in the Detail: Handling multi-value per cell

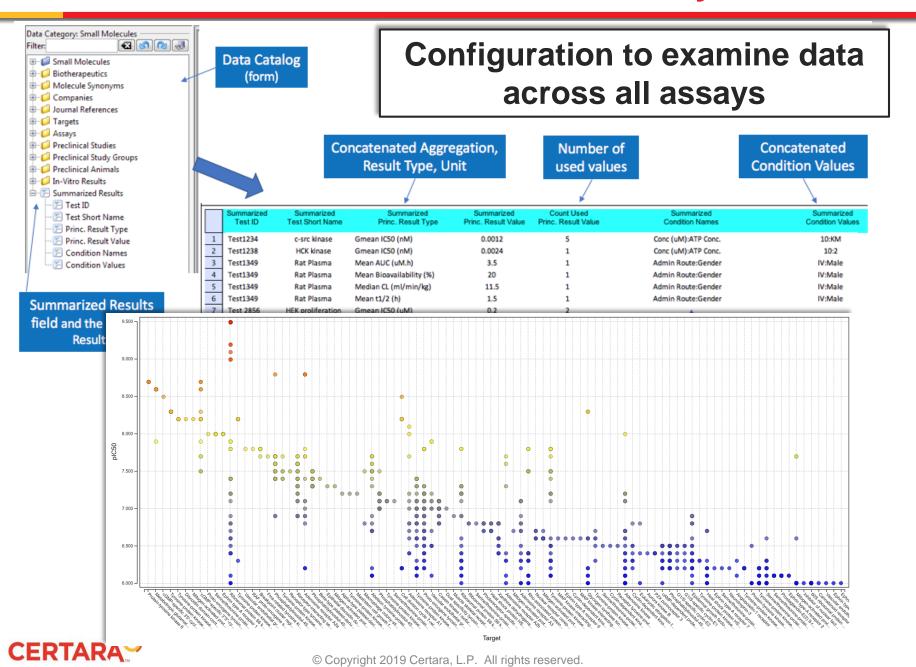
There is often a choice to make in how to present data...



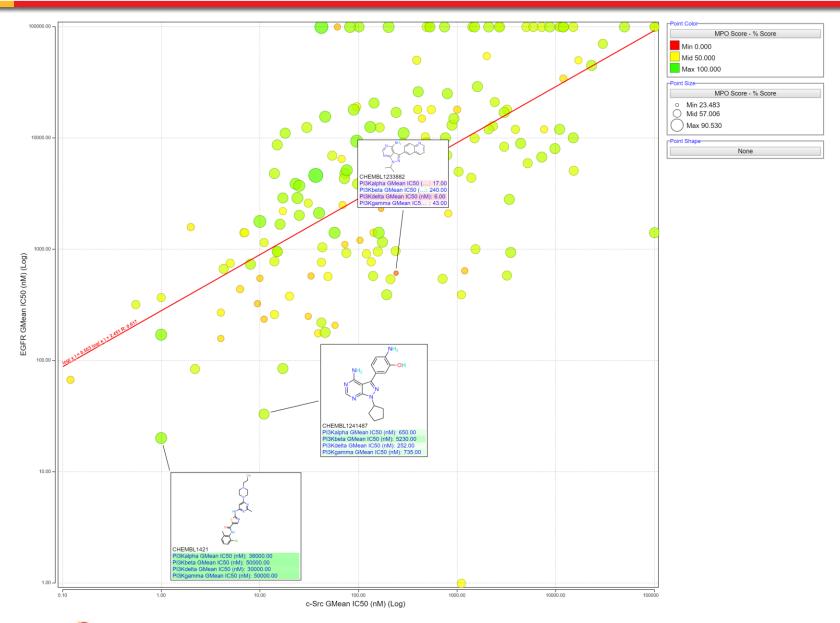
- A key development goal has been to allow analysis regardless of this choice
 - Data-only constraints, Multi-value per cell equations, In-cell sorting, Multi-value per cell plotting
- Allows far better analysis/interpretation
 - PK data In vivo data Panel Assays



Data Visualization: BioProfile Summary



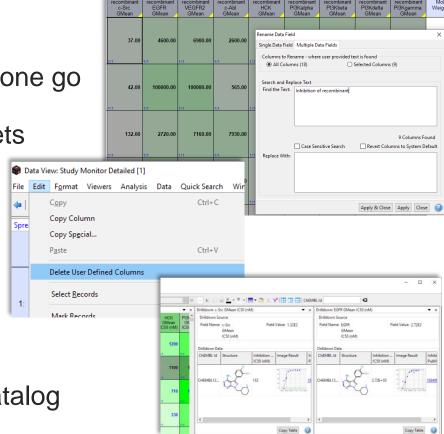
Coming in the next release: Sticky labels





Its also about the little things... 19.1 and 19.6

- Datasets now remember export file type and settings
- Workspace remembers sort order
- Ability to rename multiple columns in one go
- Reduction in size of filter panel/gadgets
- Drag and drop of dataset tabs
- Deletion of user defined columns
 - Including dependent columns
- Query execution "READY"
- pIC50s auto-created in the D360 catalog
- Maintaining column order and row height in Drilldown viewer
- ...and many, many more

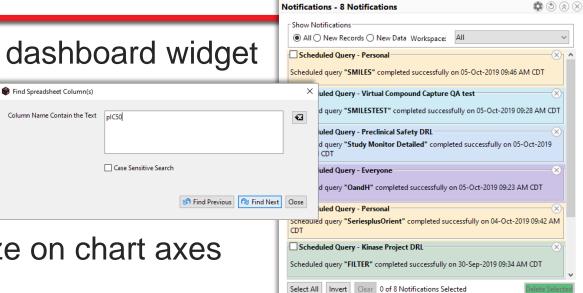


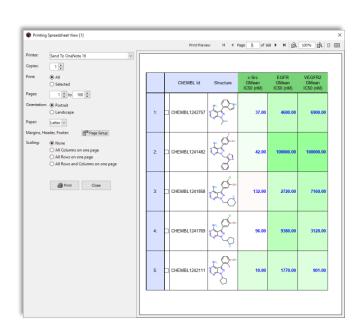


...and this will continue in 20.1

- Updated notifications dashboard widget
- Revamped printing
- Find Column
- Adjustment of font size on chart axes
- Sortable Open/Save dialogs
- Selectively disable Follow-on Queries
- Vastly improved image support
 - Allows High Content Screening workflows
- More in-cell data quality indication
- ...and many, many more







And a little something for administrators

Data catalog split over multiple files

Simplifies data catalog administration
vs. everything in one huge file

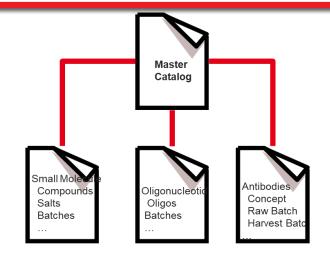
Stereo rendering flag config

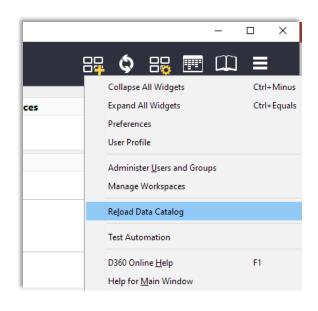
 Allows the behavior of enhanced stereochmical flag display to be specified according to specific needs

Reload catalog from client

- Simplifies D360 configuration
- Configuration updates can be observed and tested in the client without the need to restart

Further Reducing maintenance overhead







Later, we'll hear more about the big stuff

- D360 and Biologics
 - After the more important presentations from Roche and Regeneron
- Simplifying deployment
 - The automated test tool and reducing testing overhead
- Interesting workflows
 - Going beyond the normal SAR
- Some popular extensions and configurations of D360
 - What could you be missing in D360's configurable capabilities



Top 3 Exercise

The Goal:

o To gather feedback on your desired product direction



Listen, Discuss and Think

- Listen to presenters
- Discuss your needs and desires with others
- Think about what you need over the next year and beyond



Tomorrow

- We will hand out questionnaire sheets
- Write down your Top 3 Needs



Hand in your sheets tomorrow

We will collate the feedback and publish after the meeting





Questions?

