

# WHAT'S NEW IN PIPELINE PILOT 8.0

Pipeline Pilot 8.0 enables the scientific R&D enterprise by providing organizations with the ability to use our scientific informatics platform more widely across the R&D community than previously possible. Through the introduction of a range of new functionality, Pipeline Pilot 8.0 improves the speed and quality of scientific innovation, meets the security and scalability needs of the enterprise, and enables superior collaboration for research teams.

## IMPROVED SPEED AND QUALITY OF SCIENTIFIC INNOVATION

### New Design and View Modes for Rapid Application Development

Design Mode is a new feature that makes it faster and easier to build and debug protocols. Data caches are automatically created at each component as you build a protocol, allowing you to easily see the data at each step and the effect each component has on it.

The data is directly viewed in Pipeline Pilot using the new Data Watch Windows, which help streamline protocol building as they are rapidly updated to reveal the effects upon changing parameters. Users can preview images and reports, show only Pass or Fail records, or lock the view to a component to see the state of the data while working elsewhere in the protocol.

## DEEPER SCIENTIFIC CAPABILITIES THROUGH COMPONENT COLLECTION UPDATES

### Imaging Collection

Updates to the Imaging Collection have resulted in a comprehensive supported set of image file formats as well as a wide range of commercial and open source image processing applications. What's New in Pipeline Pilot 8.0 In addition, an interactive viewer within Pipeline Pilot has been developed for viewing, annotating and processing images of all sizes providing the scientific enterprise with a single platform for all R&D image informatics.

### Statistics Collections

Learner components now support Model Applicability Domains (MAD) that allow scientists to determine not only how good a model's predictions are overall, but how good they are expected to be for the specific example. Other updates to these Collections include the ability to compare and contrast the performance of different models, to tailor the distance calculations in clustering, searching and models, and to extend an existing model with new training data.

## Chemistry Collection

Enhancements to the Chemistry Collection improve the way chemical knowledge is stored and communicated throughout the enterprise. Updates include better and more customizable molecular depictions in reports and the addition of new components to support chemical registration and interaction with chemical databases.

## ENHANCED PERFORMANCE, SECURITY AND ADMINISTRATION

### Extended Platform Support and Database Management

Support for Windows Server 2008 64-bit allows for significantly greater memory utilization for computationally intensive tasks. Additionally, connections to data sources such as corporate databases can be configured directly within Pipeline Pilot, making it easier to manage data sources and share protocols across different Pipeline Pilot servers.

### Security that Meets the Demands of the Enterprise

To support various user groups within organizations, authorization roles can be assigned by user or groups. Security parameters can now be set at the folder level or user role.

### Load Monitoring for Optimized Performance

Users and Administrators can now monitor server performance. Administrators can also monitor server memory, processor utilization, and control the job queue for optimized performance.

## SUPERIOR COLLABORATION FOR RESEARCH TEAMS

### Enhanced Integration with Microsoft® Office SharePoint® Server 2007

Enhancements in 8.0 scientifically-enable SharePoint Server 2007. With deeper integration, it is easier for scientific workflows to read and write to SharePoint's document management system and use SharePoint lists as input to Pipeline Pilot protocols. This allows researchers to access a true, dynamic repository of their scientific documents to achieve their primary needs in scientific data access, analysis, reporting, and collaboration across the wider scientific R&D enterprise.

### New Reporting Collection Capabilities that Deliver Consistency

Teams can now format text, charts and stylesheets to ensure output has a standardized corporate look and feel. Other new additions include area charts, a full color palette for further customization, sliders to dynamically set data ranges in charts, Flash enabled visualization and scriptable charts that provide rich interactivity in web pages. Reporting Collection updates extend Pipeline Pilot's ability to disseminate consistent information throughout the enterprise, to support effective, reliable decision-making.

To learn more about Pipeline Pilot, go to [accelrys.com/pipeline-pilot](http://accelrys.com/pipeline-pilot)