# New Features in ReportWorks 1.1

ReportWorks 1.1 includes numerous features and enhancements, such as district-level reporting, additional data sets, and new graph types, which improve data access and design capabilities.  Enhancements to report layout functionality, new templates, and resolution to numerous defects provide improved ease-of-use.  Additionally, security has been improved and setup has been simplified with the introduction of LDAP support and storage of report output files in the database as opposed to the server file system.

The feedback provided by our customers has been instrumental in guiding our efforts to improve the product. Many of the enhancements included in this release were based on discussions with customers in usability sessions, ReportWorks Lab and Community forums, and beta testing.

The following table contains a complete list of features and enhancements in ReportWorks 1.1.

| Feature/Enhancement | Description |
|---|---|
| "Student: Basic + Bell Schedule" Dataset | A dataset and associated runtime options that allow for reporting on student class meetings, organized by period and calendar day.  With this dataset, a report that presents information in the same way as a student's bell schedule view in PowerSchool can be created. |
| "Incident Management: Incident" Dataset | A dataset and associated runtime options that allow for reporting on incidents created using the Incident Management feature in PowerSchool, including incident attributes, actions, objects, and behaviors.  Automatic context filtering occurs at runtime to ensure that report generators only see the incidents to which they have access. |
| Publish to District Office | Reports can now be published to the District Office, allowing for aggregate reporting across multiple schools in the district. |
| LDAP Support | ReportWorks can now utilize the LDAP configuration in PowerSchool for client authentication. |
| Storage of Report Output Files in Database | Report output files generated at runtime are now stored in the database as opposed to the server file system. |
| Additional Graph Types | Line, scatter, and area graph types have been added to assist in longitudinal data analysis. |
| Structure Button | A button available in Layout to select a structure type (table, graph, labels, etc.) and a data subset (student, school enrollments, class enrollments) to be used with the structure. |
| Form Letter Structure Type | A structure type that produces a freeform table cell that covers the entire Layout page. |
| Table Grid Structure Type | A structure type specific to the "Student: Basic + Bell Schedule" dataset that imbeds a cross tab within a table row.  This allows for a cross tab to be produced for each student. |
| Create Reports without Data Objects | Reports can now be created that do not contain data objects or an associated data set.  This allows ReportWorks to be used for creating documents that only contain text and graphics. |
| Structure Popup Appears if Layout is Empty | Selecting a structure type to contain and organize report data is a requisite first step in creating a report.  To assist in this activity, the structure panel will appear automatically when switching to the |

| Feature/Enhancement | Description |
|---|---|
| | Layout tab if the layout is blank. |
| Dataset Usability Enhancements | Enhancements have been made to the dataset interface in Boundaries and Layout to better represent the various subsets of data that comprise a dataset. Vertical scroll bars have been added to each column within the datasets to improve navigation. |
| Improved Data Object Path Determination | In the previous version of ReportWorks, the path of an object (path.object_name) was based on what was selected in the layout when the object was grabbed from the dataset area, which could result in an invalid path if the user did not take care to select the destination prior to grabbing the object. Invalid paths prevent data from displaying as expected (or at all). Now, the path is based on where the object is dropped, reducing the potential for invalid paths. |
| Dynamic Grade Level List at Runtime | The runtime option for grade level no longer uses a static list of grade levels that may not have aligned with the grade levels in the district. The list is now created dynamically based on the school the report generator is operating in. All grade levels within the school, and all grade levels below those in the school will appear in the grade level list. Within the District Office, all grade levels in the district are available. |
| Bell Schedule Template | A template that uses the "Student: Basic + Bell Schedule" dataset to produce a student schedule matrix by periods and calendar days. |
| Incident Detail Template | A template that uses the "Incident Management: Incident" dataset to produce incident details, including participants, actions, objects, and behaviors. |
| School Summary of Incidents Template | A template that uses the "Incident Management: Incident" dataset to produce a summary of all incidents in a school for a specified period of time. |
| District Summary of Incidents Template | A template the uses the "Incident Management: Incident" dataset to produce a summary of all incidents within a district for a specified period of time, grouped by school. |
| Form Letter Template | A template that uses the "Student: Basic" dataset to produce an example form letter. |