

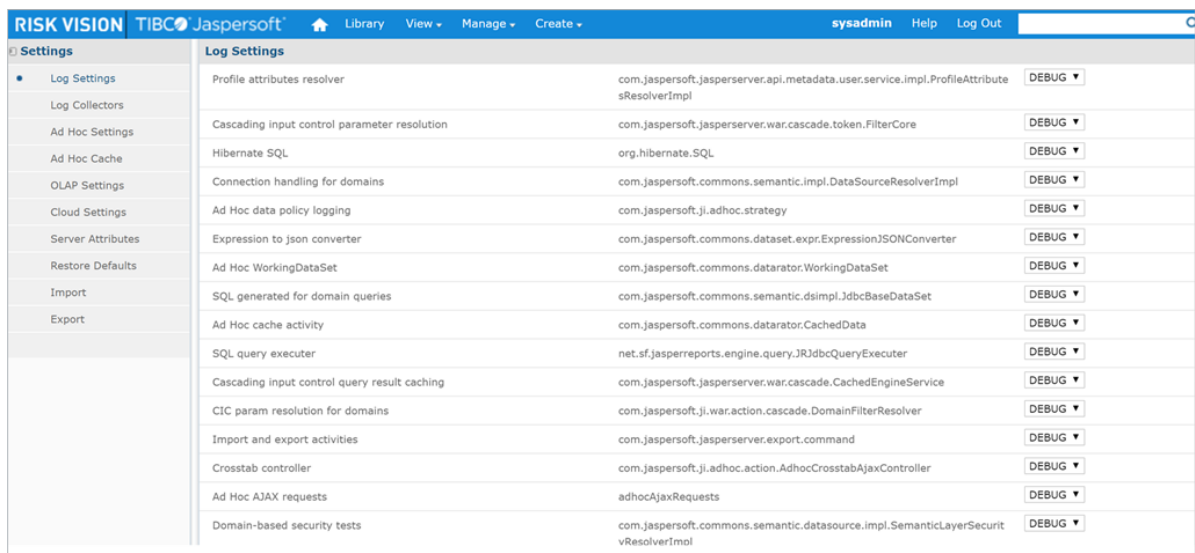
System Logs

System logs capture any errors in JasperReports Server's code, but the logging levels can be configured to capture more information for debugging purposes. Log files are generated in JasperReports Server using the Apache log4j package. To view these files, users must have access to the file system where JasperReports Server is installed.

The default log file is `C:\ReportServer\ReportServer\apache-tomcat\webapps\jasperserver-pro\WEB-INF\log\jasperserver.log` and the default log configuration file is `C:\ReportServer\ReportServer\apache-tomcat\webapps\jasperserver-pro\WEB-INF\log4j.properties`. Log levels can be set through these files, or through the UI by following the below steps.

To set the current logging levels through the UI:

1. Log in to JasperReports Server as an administrator.
2. Navigate to **Manage > Server Settings**.
3. Click **Log Settings** on the panel to the left.



Log Settings	Class Name	Log Level
Profile attributes resolver	com.jaspersoft.jasperserver.api.metadata.user.service.impl.ProfileAttributesResolverImpl	DEBUG ▼
Cascading input control parameter resolution	com.jaspersoft.jasperserver.war.cascade.token.FilterCore	DEBUG ▼
Hibernate SQL	org.hibernate.SQL	DEBUG ▼
Connection handling for domains	com.jaspersoft.commons.semantic.impl.DataSourceResolverImpl	DEBUG ▼
Ad Hoc data policy logging	com.jaspersoft.ji.adhoc.strategy	DEBUG ▼
Expression to json converter	com.jaspersoft.commons.dataset.expr.ExpressionJSONConverter	DEBUG ▼
Ad Hoc WorkingDataSet	com.jaspersoft.commons.datarator.WorkingDataSet	DEBUG ▼
SQL generated for domain queries	com.jaspersoft.commons.semantic.dsimpl.JdbcBaseDataSet	DEBUG ▼
Ad Hoc cache activity	com.jaspersoft.commons.datarator.CachedData	DEBUG ▼
SQL query executor	net.sf.jasperreports.engine.query.JRJdbcQueryExecutor	DEBUG ▼
Cascading input control query result caching	com.jaspersoft.jasperserver.war.cascade.CachedEngineService	DEBUG ▼
CIC param resolution for domains	com.jaspersoft.ji.war.action.cascade.DomainFilterResolver	DEBUG ▼
Import and export activities	com.jaspersoft.jasperserver.export.command	DEBUG ▼
Crosstab controller	com.jaspersoft.ji.adhoc.action.AdhocCrosstabAjaxController	DEBUG ▼
Ad Hoc AJAX requests	adhocAjaxRequests	DEBUG ▼
Domain-based security tests	com.jaspersoft.commons.semantic.datasource.impl.SemanticLayerSecurityResolverImpl	DEBUG ▼

The Log Settings page.

4. Use the drop-down lists next to each class to change its log level.
5. **Optional:** If a report is taking too long to execute, change the log level of the below classes to **DEBUG** to capture the SQL queries to run for reports as well as their timing:
 - **com.jaspersoft.commons.util.JSControlledJdbcQueryExecutor:** Logs the amount of time it takes one of JRJdbcQueryExecutor's queries to return data to a report.
 - **com.jaspersoft.commons.semantic.dsimpl.JdbcBaseDataSet:** Logs SQL queries generated from queries that use a Domain.
 - **net.sf.jasperreports.engine.query.JRJdbcQueryExecutor:** Logs text and parameter values for queries run by this logger.

Changing the log level of the **org.hibernate.SQL** class to **DEBUG** will generate a large amount of logging that could negatively impact JasperReports Server's performance.

Further information on system logs and how to use them can be found on the [Jaspersoft Community page](#) .