



## SYSTEM ADMINISTRATION

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### *System Query Analyzer*

Software Version: 13.01

Manual Version: P1

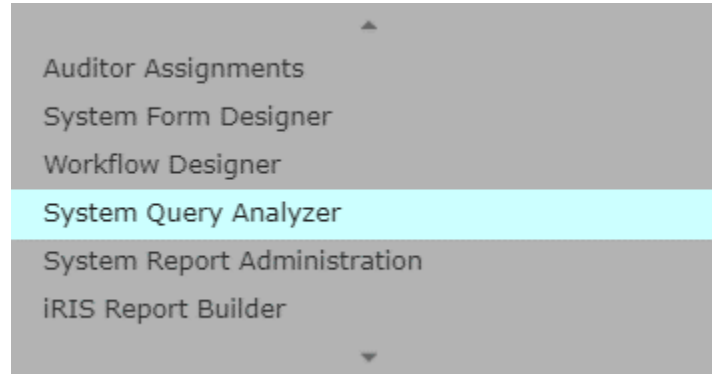
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## Introduction

This manual will guide you through the use of the System Query Analyzer located in the System Administration section of iRIS™. The System Query Analyzer enables users to execute queries against the system database.



## System Query Analyzer

The System Query Analyzer is used to give administrators access to system tables using only SELECT SQL queries. These queries can be saved, executed, downloaded, and used to build a custom report. The queries are typically used to build user-defined custom reports. It is highly recommended that you have some knowledge of SQL before attempting to execute queries using the System Query Analyzer.

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Remove	Edit/View	Query Name	Last Modified By	Last Date Modified
⊗	✍	EA2	John Smith	06/28/2021 12:20:43 PM PDT
⊗	✍	EA1	John Smith	06/18/2021 02:20:57 PM PDT
⊗	✍	select top 20 * from	John Smith	06/17/2021 03:46:33 PM PDT
⊗	✍	iRIS Report Builder - Preview Report	John Smith	01/22/2021 03:21:37 PM PST

To delete a saved query, click the icon in the **Remove** column. A query can be edited by selecting the **Edit/View** icon next to the Query Name. Each query can be given a unique name, which is listed under the **Query Name** column. The last user that executed and/or made changes to a specific query is listed under the **Last Modified By** column; as well as the date and time information listed under the **Last Date Modified** column.

## Data Diagram

The **Data Diagram** button will display a portion of the iRIS™ software database structure to the System Administrator to aid in the creation of queries. The screenshot below shows a portion of the database structure that will be displayed when the Data Diagram page is opened.

- [Department](#)
- [Form](#)
- [RB](#)
- [RB Submission](#)
- [Study Detail](#)
- [Subject](#)
- [Finance](#)

 iRIS ER-D for Department



You can navigate through the diagram by clicking on the different links at the top of the page.

### Add a Query

To add a query, select the **Add a Query** button, and the SQL Operations page will open.

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Build Report Save Query

\*Query Name:

\*Query Content: (Please use only the select command.)

Download Execute

The **Query Name** and **Query Content** fields are both required. Any name can be given to the query, but a unique name is recommended to distinguish its use for later access (i.e. ‘System Departments’ instead of ‘Query 1’).

The query content must be in SQL code; the System Query Analyzer will only allow the execution of SQL SELECT statements. Knowledge of the names of the iRIS™ database tables is required (i.e. PERSONNEL\_CONTACT) to be able to utilize this feature. The Query Content input box will expand to accommodate the SQL query. You can click the **Minimize** button [-] to the bottom right of the Query Content input box to view more of the executed query results.

Be sure to select the **Save Query** button to save the query information for future use.

**Execute**

Clicking the **Execute** button will display the query results at the bottom of the screen (as seen below). After the successful execution of the SELECT SQL statement you may then choose to **Download** or **Build Report**. A query is automatically saved once it has been executed. Note that if an existing query is accessed and the Query Content modified, upon execution of the current content the previous Query Content will be overwritten. Below is an example of a successfully executed SELECT SQL query using the System Query Analyzer.

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Build Report Save Query

\*Query Name:

\*Query Content: (Please use only the select command.)

Download Execute

SYSTEM_PARTITION_ID	NAME	VALUE	EDITABLE	ENCRYPTED	CATEGORY	PROP_DESCRIPTION	PROTECTED	DATA
1	system.add_irb_number_on_study_create	Yes	Yes	No	Study Default Settings	This property indicates that an IRB number will be created immediately when a study is initially created.	No	1
1	system.add_subject_onstudy_multiple	No	Yes	No	Subject Add	This property indicates whether the subjects can be added on study multiple times on the same study	No	1
1	system.allow_study_to_see_reviewers	No	Yes	No	Study Default Settings	This property allows the study personnel to see in the submission history what reviewers were assigned review rights to this submission.	No	1

### Download

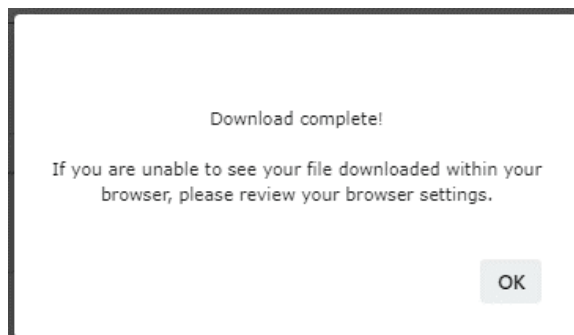
The **Download** button will allow you to save the results of the successfully executed SELECT SQL query. Click The **Download** button to save the results of your query as a .xls format file. This may appear differently depending on the browser you are using. The example shown below is using Chrome.

The screenshot shows the 'SQL Operations' section of the System Administration interface. At the top, there are tabs for 'My Workspaces', 'System Administration', and 'SQL Operations', along with a 'Back' button. Below the tabs are 'Build Report' and 'Save Query' buttons. A text input field contains the query name 'Property'. Below it, a larger text area contains the SQL query: 'SELECT \* FROM SYSTEM\_PROPERTIES WHERE NAME LIKE '%STUDY%''. To the right of the query area are 'Download' and 'Execute' buttons. Below the query area is a table with the following data:

SYSTEM_PARTITION_ID	NAME	VALUE	EDITABLE	ENCRYPTED	CATEGORY	PROP_DESCRIPTION	PROTECTED	DATA
1	system.add_irb_number_on_study_create	Yes	Yes	No	Study Default Settings	This property indicates that an IRB number will be created immediately when a study is initially created.	No	1
1	system.add_subject_onstudy_multiple	No	Yes	No	Subject Add	This property indicates whether the subjects can be added on study multiple times on the same study	No	1
1	system.allow_study_to_see_reviewers	No	Yes	No	Study Default Settings	This property allows the study personnel to see in the submission history what reviewers were assigned review rights to this submission.	No	1
1	system.find_study_for_all_users	Yes	Yes	No	Study Default Settings	This property indicates whether all users can use the find study icon under study management. This feature would allow users to search the database for any study. If the study was open a study summary page will be displayed if they see the icon.	No	1

At the bottom of the interface, a red-bordered popup window is visible, showing a file named 'Query\_1 (6).xls' with a 'Show all' button and a close icon.

Once complete, the following popup will display.



Note that the Download feature requires that the local machine be able to open \*.XLS files (Using Microsoft Excel) or other compatible programs. An example of how the downloaded query results may display is provided below. Please note that minor column adjustments may be necessary.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	SYSTEM	NAME	VALUE	EDITABLE	ENCRYPT	CATEGOR	PROP_DE	PROTECT	DATA_TY	DEFAULT	ID_CREAT	DATE_CR	ID_MODIF	DATE_MODIFIED		
2	1	system.ad	Yes	Yes	No	Study Def.	This prope	No	1		1	2008-10-2	51919	2019-07-30	10:09:27.517	
3	1	system.ad	Yes	Yes	No	Subject Ac	This prope	No	1		1	2008-10-2	51607	2018-06-11	14:55:34.847	
4	1	system.all	No	Yes	No	Study Def.	This prope	No	1		1	2008-10-2	51919	2019-07-30	10:09:27.523	
5	1	system.fin	Yes	Yes	No	Study Def.	This prope	No	1		1	2008-10-2	51919	2019-07-30	10:09:27.53	
6	1	system.hic	Yes	Yes	No	Reports Ar	Hides the	No	1		1	2008-10-2	51607	2019-07-03	11:57:15.68	
7	1	system.mz	IRB	Yes	No	Study Def.	This value	No	2		1	2008-10-2	51919	2019-07-30	10:09:27.533	
8	1	system.mz	5	Yes	No	Study Spe	This prope	No	2		1	2009-09-2	51607	2019-05-22	14:52:13.46	
9	1	system.stl	No	Yes	No	Study App	This prope	No	1		1	2008-10-2	1	2019-07-25	12:43:33.673	
10	1	system.stl	No	Yes	No	Study App	This prope	No	1		1	2008-10-2	1	2019-07-25	12:43:33.677	
11	1	system.us	No	Yes	No	Study App	This prope	No	1		1	2008-10-2	1	2019-07-25	12:43:33.69	
12	1	system.us	Yes	Yes	No	Study App	Turning th	No	1		1	2008-10-2	1	2019-07-25	12:43:33.73	
13	1	system.all	Yes	Yes	No	Study Spc	This prope	No	1		1	2011-09-1	51607	2019-05-22	15:55:07.91	
14	1	system.us	Yes	Yes	No	Study App	Turning th	No	1		1	2008-10-2	1	2019-07-25	12:43:33.743	

Any query generated with the System Query Analyzer will be automatically saved after you click on the **Execute** or **Download** buttons. You can also save the query without executing or downloading it by clicking the **Save Query** button. If an existing query is accessed and the **Query Content** modified, then upon execution of the current content the previous **Query Content** will be overwritten.

### Build Report / Report Builder

Click on the **Build Report** button to create a user defined custom report from the successfully executed SELECT SQL query results. Clicking on the **Build Report** button will automatically take you to the **iRIS Report Builder**. Additional configuration may be necessary for any user, including a System Administrator, to have full use and function from the **iRIS Report Builder**. After clicking on the **Build Report** button, you will be brought to the **iRIS Report Builder – Import** page. This will allow you to build a user defined custom report. For more information on this tool see the System Administration – Report Builder manual.

My Workspaces System Administration **iRIS Report Builder - Import** [Back](#)

Query Analyzer Save Fields Changes

Operation Status: The below SQL/Jasper Code has been successfully executed.

SQL Code Name: Property

SQL Source Code: SELECT \* FROM SYSTEM\_PROPERTIES WHERE NAME LIKE '%STUDY%'

Order By Value:

Execute SQL Code

Add Query Analyzer

Remove Field

Import Report

Build Report

Open SQL Query

Field Name	Field Table (Optional)	Field Type	Field Validation
<input type="checkbox"/> SYSTEM_PARTITION_ID	<input type="text"/> (No spaces)	class java.lang.Integer	<input checked="" type="checkbox"/> VALID
<input type="checkbox"/> NAME	<input type="text"/> (No spaces)	class java.lang.String	<input checked="" type="checkbox"/> VALID
<input type="checkbox"/> VALUE	<input type="text"/> (No spaces)	class java.lang.String	<input checked="" type="checkbox"/> VALID
<input type="checkbox"/> EDITABLE	<input type="text"/> (No spaces)	class java.lang.String	<input checked="" type="checkbox"/> VALID
<input type="checkbox"/> ENCRYPTED	<input type="text"/> (No spaces)	class java.lang.String	<input checked="" type="checkbox"/> VALID

186 Row(s) Count