

View Audit Information

Audit profiles store information into a database, you can then display that information in an Audit Log to see what information is stored. Here is a complete list of what information is captured in the Audit Log.

This feature is new in Ignition version **7.9.13**
[Click here](#) to check out the other new features

Ignition Platform	
Category	Actions
Projects	Designer saves, project property changes, project setting changes, and deleting a project
Gateway Network	Saving changes, creating/deleting an outgoing connection, and approving an incoming connection
Gateway - Email Settings	Creating/deleting a SMTP Profile, and editing/saving changes to an SMTP Profile
Gateway - Audit Profile	Creating/deleting an Audit Profile, and editing/saving changes to an Audit Profile
Gateway - User Sources	Creating/deleting, and editing/saving changes to a user source
Gateway - Managing Users in User Source (Hybrid Only)	Creating/deleting, and Editing a Role.
Gateway - Security Zones	Adding/deleting, and editing/saving to a Security Zone
Gateway - Database Drivers - JDBC Drivers	Creating/deleting, and editing/saving changes to a JDBC Driver
Gateway - Database Drivers - Translators	Creating/deleting, and editing/saving changes to a Translator.
Gateway - Store and Forward	Ediing/saving changes to a Store and Forward engine
Gateway - Alarming General	Saving changes to Alarming General settings
Gateway - Alarm Journal	Creating/deleting, and editing/saving changes to an Alarm Journal. Create/edit/delete notifications (email, remote Gateway, simple one-way SMS, Voip.
Gateway - Schedules	Creating a new schedule
Gateway - Realtime Tags	Creating/deleting, and editing/saving a Realtime Tag provider
Gateway - OPC Client Connections	Creating/deleting, and editing/saving an OPC Connection
Enterprise Administration	

On this page

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- To Access the Audit Log on the Gateway



View Audit Information

[Watch the Video](#)

Gateway - EAM Setup	Setting the Gateway as either an Agent or Controller
Gateway - EAM Event Thresholds	Editing/saving changes to Event Thresholds
Gateway - EAM Controller Settings	Uninstalling, and editing/saving changes to the Controller Settings
Gateway - EAM Agent Management	Creating/deleting, and editing/saving changes to an Agent Group
Gateway - EAM License Management	Adding/removing a license
Gateway - EAM Agent Tasks	Creating a Gateway task, and when a task runs (automatic, scheduled, or on demand)
Gateway - EAM Agent Settings	Editing/saving the Agent Settings
OPC UA and Devices	
Gateway - Device Connections	Creating/deleting, and editing/saving a device connection. Editing /saving changes to Modbus Address Mapping (Modbus Driver), Aliased Points (DNP3 Driver), and Tag Import (Omron Driver)
Scripting - Device Connections	Creating/deleting a device connection. Disabling a device with <code>system.device.setDeviceEnabled</code>
Gateway - OPC UA Server Settings	Editing/saving OPC UA server settings
Tag History	
Gateway - Historical Tags	Creating/deleting, and editing/saving a Historical Tag Provider (Edge Historian, OPC-HAD Provider, Remote History Provider, Tag History Splitter)
Alarm Notifications	
Gateway - Alarm Notifications	Creating/deleting, and editing/saving changes to an Alarm Notification Profile. Changes made to the Notification Profile Scripts (Voice Notification).
Gateway - Alarming On-Call Rosters	Creating/deleting, and editing/saving changes to an On-Call Roster.
System Functions	
<code>system.db</code>	<code>system.db.addDatasource</code> <code>system.db.removeDatasource</code> <code>system.db.runNamedQuery</code> <code>system.db.runPrepUpdate</code>
Designer	
Login Attempts	Login attempts
Vision	
Managing Users in User Source	Adding/deleting, and editing/saving changes to a User. Creating /deleting, and editing/saving a Role.
On-Call Rosters	Creating/deleting an On-Call Roster.

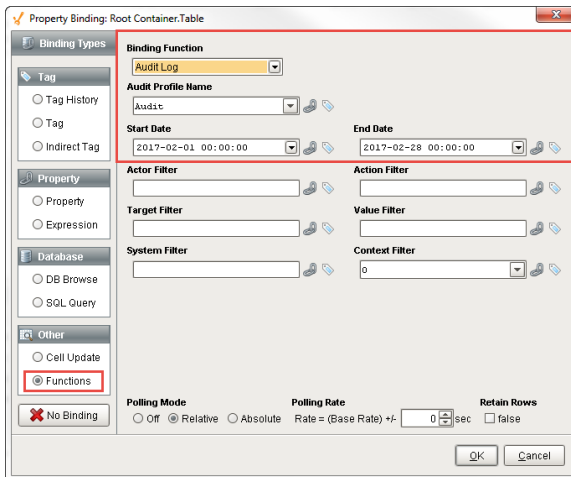
There are a few ways to view audit log information: using a Table component, Database Query Browser, or the interface on the Gateway.

To Access the Audit Log with Table Functions

Since Ignition makes accessing data from databases seamless, it is possible to bind a data property of a table directly to database table. Alternatively, it is possible to access the contents of the audit log with table functions.

Once you have an [Audit Log setup and attached to a project](#), you can go back to that project and see what information is in that audit log. This example uses the Table Functions to extract data from the Audit Log.

1. In **Designer**, drag a **Table** component on to a window.
2. In the **Property Editor**, click on the binding icon from the table's **Data** property. The Property Binding window is displayed.
3. Select the **Functions** Binding Type.
4. Select **Functions** from the various binding options.
 - a. **Binding Function**, select the **Audit Log** from the drop-down menu.
 - b. **Audit Profile Name**, select **Audit** or the name of your Audit Profile.
 - c. **Start Date**, enter the appropriate start date.
 - d. **End Date**, enter the appropriate end date.
 - e. **Polling Mode**, select **Relative**.
 - f. Select any other appropriate function options from the menu.
5. Click **OK**.



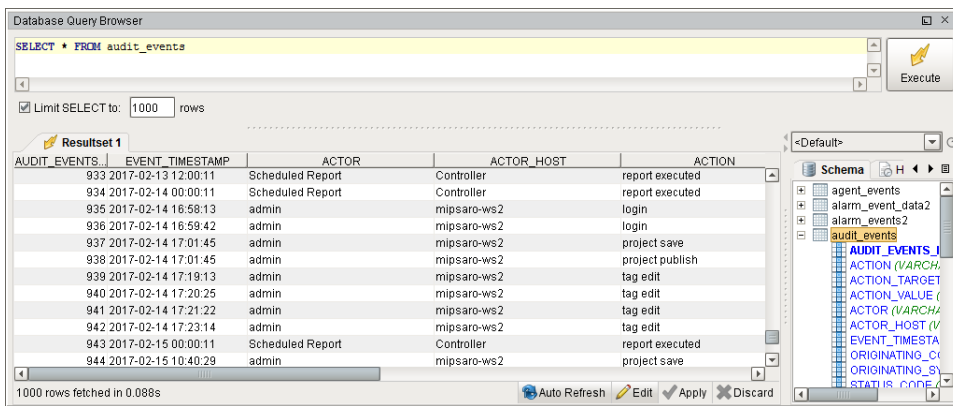
6. Once you click OK, the table will populate with all the information stored in the audit log based on the Table Functions you selected. You can use the [Table Customizer](#) to configure how you want the table to look by reorganizing and hiding columns, making columns sortable, assigning meaningful headers, and much more.

Timestamp	Actor	Action	Action Target	Action Value	Result C...	Result	System	Context...	Context
Feb 13, 2017	Scheduled Report	report executed	Test Report	Failed Action	-2,147,483	0	AuditStatus..._projectPara...	1	Gateway
Feb 14, 2017	admin	login				0	AuditStatus..._projectPara...	2	Designer
Feb 14, 2017	admin	project save	Parameters			0	AuditStatus..._projectPara...	2	Designer
Feb 14, 2017	admin	project publish	Parameters			0	AuditStatus..._projectPara...	2	Designer
Feb 14, 2017	admin	tag edit	{default}TankerT...ComplexTagD...			0	AuditStatus..._projectPara...	2	Designer
Feb 14, 2017	admin	tag edit	{default}TankerT...ComplexTagD...			0	AuditStatus..._projectPara...	2	Designer
Feb 14, 2017	admin	tag edit	{default}TankerT...ComplexTagD...			0	AuditStatus..._projectPara...	2	Designer
Feb 14, 2017	admin	tag edit	{default}TankerT...ComplexTagD...			0	AuditStatus..._projectPara...	2	Designer
Feb 15, 2017	Scheduled Report	report executed	Test Report	Failed Action	-2,147,483	0	AuditStatus..._projectPara...	1	Gateway
Feb 15, 2017	admin	project save	Parameters			0	AuditStatus..._projectPara...	2	Designer
Feb 15, 2017	admin	project publish	Parameters			0	AuditStatus..._projectPara...	2	Designer

To Access the Audit Log using the Database Query Browser

The Database Query Browser makes it easy to search your database tables to view audit information.

1. In the **Designer** under the **Tools** menubar, select **Database Query Browser**. The Database Query Browser will open.
2. On the right side of Browser window under **Schema**, will be a list of tables from the currently selected database. Double click on the **audit_events** table, and click **Execute**. The data from the audit_events table will appear in the Resultset 1 tab.



Refer to the [Database Query Browser](#) to learn more about how it works.

To Access the Audit Log on the Gateway

Ignition provides a simple interface to view Audit Logs on the Gateway.

1. On the Gateway webpage in the **Configure** section, scroll down to **Security > Auditing**.
2. The Audit Profile page will be displayed. Select the Audit Profile where your information is stored, and click **More > view log**.

Audit Profiles

Name	Type	Description	Actions
Audit	Database		view log More edit
Audit1	Database		delete More edit

3. Choose the parameter settings if your looking for something specific, otherwise, enter a **Start Date** and **End Date**, and click **Search**.

Audit Log Viewer

Actor:

Action:

Target:

Start Date: 2/15/17 4 : 12 AM

End Date: 2/17/17 11 : 59 PM

[Search](#)

Timestamp	Actor	Host	Action	Target	Value	Result	System	Context
2/15/17 10:40 AM	admin	mipsaro-ws2	project save	Parameters		AuditStatus{0x00000000, Severity=Good, Subcode=NotSpecified}	project-Parameters	Designer
2/15/17 10:40 AM	admin	mipsaro-ws2	project publish	Parameters		AuditStatus{0x00000000, Severity=Good, Subcode=NotSpecified}	project-Parameters	Designer
2/15/17 10:40 AM	admin	mipsaro-ws2	project save	Parameters		AuditStatus{0x00000000, Severity=Good, Subcode=NotSpecified}	project-Parameters	Designer
2/15/17 10:40 AM	admin	mipsaro-ws2	project publish	Parameters		AuditStatus{0x00000000, Severity=Good, Subcode=NotSpecified}	project-Parameters	Designer
2/15/17 11:48 AM	admin	mipsaro-ws2	login			AuditStatus{0x00000000, Severity=Good, Subcode=NotSpecified}	project-Parameters	Designer
2/15/17 11:50 AM	admin	mipsaro-ws2	logout			AuditStatus{0x00000000, Severity=Good, Subcode=NotSpecified}	project-Parameters	Designer
2/15/17 12:00 PM	Scheduled Report	Controller	report executed	Test Report	Failed Action - Report Email Action has logged a failure.	AuditStatus{0x80000000, Severity=Bad, Subcode=NotSpecified}	project-Parameters	Gateway
2/16/17 12:00 AM	Scheduled Report	Controller	report executed	Test Report	Failed Action - Report Email Action has logged a failure.	AuditStatus{0x80000000, Severity=Bad, Subcode=NotSpecified}	project-Parameters	Gateway
2/16/17 12:00 PM	Scheduled Report	Controller	report executed	Test Report	Failed Action - Report Email Action has logged a failure.	AuditStatus{0x80000000, Severity=Bad, Subcode=NotSpecified}	project-Parameters	Gateway
2/17/17 12:00 AM	Scheduled Report	Controller	report executed	Test Report	Failed Action - Report Email Action has logged a failure.	AuditStatus{0x80000000, Severity=Bad, Subcode=NotSpecified}	project-Parameters	Gateway
2/17/17 12:00 PM	Scheduled Report	Controller	report executed	Test Report	Failed Action - Report Email Action has logged a failure.	AuditStatus{0x80000000, Severity=Bad, Subcode=NotSpecified}	project-Parameters	Gateway

Related Topics ...

- [Scripting](#)
- [Database Query Browser](#)
- [Table Customizer](#)
- [Security](#)