



Adroit Report Suite

Standard Adroit Report Pack

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1. Introduction

Adroit Report Pack provides basic insight to your system and process as well as offering you a free web-based view into historical trends. Reports are further categorized as Auditing, Data logging and General.

Auditing that provides the tools necessary to view the activities of the Agent server and SmartUI server with reports such as Adroit Audit Activity and SmartUI Audit Activity. It is also a report set to measure the duration of the session of the Agent server with a report such as the Agent Server Session.

This version of the Adroit Report Pack also introduces us to a report that shows changes that required authorization on a SmartUI data element (agent.slot). This report is built on the same methodology of [Title 21 CFR Part 11](#)

Data logging is extended through a standard DBLog agent that can be configured to log data points for any agent to an OLEDB compliant database. The report set combines summary tables with statistics and line charts to plot data trends. All of which combines through drill down and drill through functionality provided.

General refers to Ad Hoc reports based around various server or agent functionality. A New DumpConfig (Export) agent was launched with Adroit 10 that provides functionality to export specific agent types with current slot values as configured. A configuration export report is available to use as a configuration datasheet or snapshot view on agent status. Similarly a Historical alarm report is based on a limited alarm management dataset for basic information.

For assistance with the installation and use of Adroit Report Suite value-add system, please consult the Report Suite user manual. For assistance with the installation of the Adroit Reports pack, please consult the Adroit Report Deployment Utility user manual.

1.1. Adroit Technologies

Since 1992 Adroit Technologies, a company based in South Africa, have been developing SCADA/HMI software solutions for the industrial automation and process control industries. With over 20,000 successful installations, in over 16 countries in the world, Adroit is one of the world's top selling SCADA/HMI products. Adroit Technologies are a Microsoft Certified Gold Partner Company. This allows Adroit Technologies to stay in regular contact with Microsoft and remain up to date with the latest advancements in software development. All this ensures that Adroit remains one of the leading SCADA packages, both now and in the future.

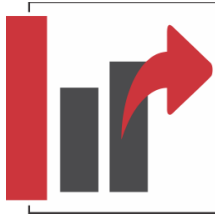
1.2. Adroit SCADA

A·D·R·O·I·T is an acronym for "Advanced Distributed Real-time Object-oriented Intelligent Toolkit". Adroit is a Windows based SCADA/HMI software product that has been developed over a period of more than ten years by dedicated professionals. Robust and flexible enough for the toughest industrial application, Adroit is the ideal platform from which to meet the information needs of a modern control solution. Adroit is a technologically advanced SCADA (Supervisory Control & Data Acquisition) system designed for process control, manufacturing systems and open automation applications.

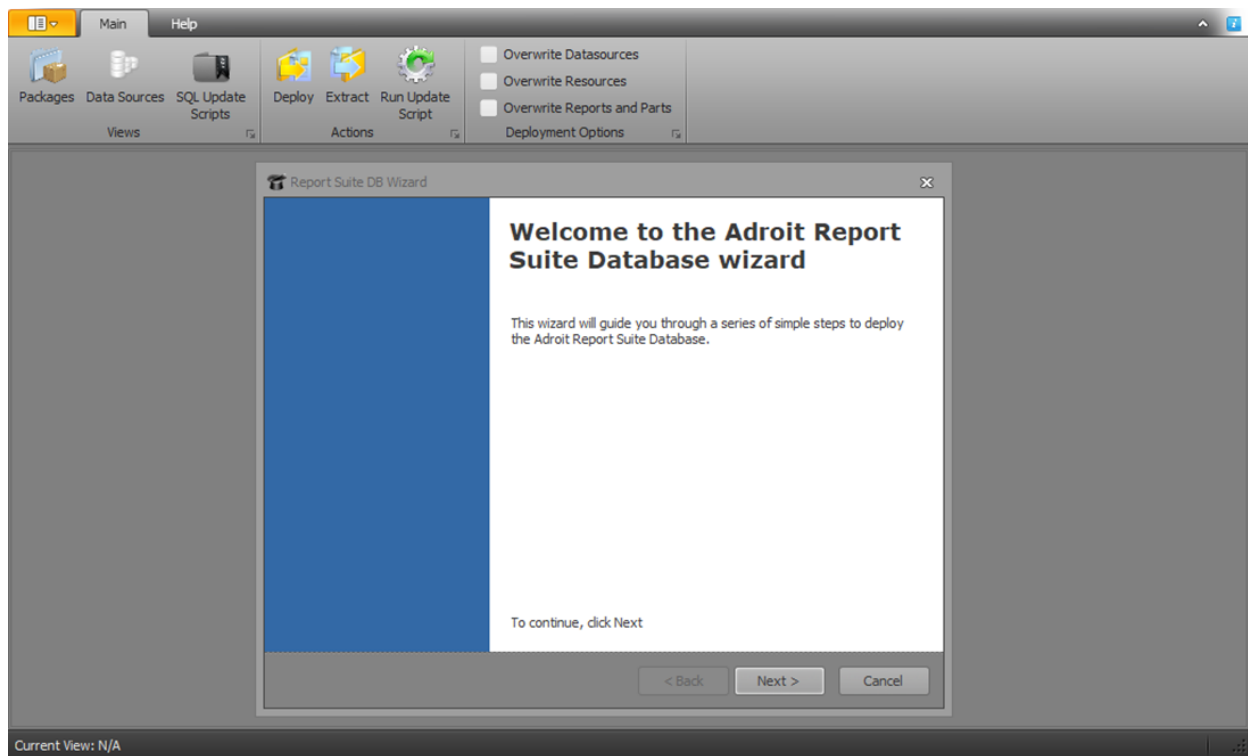
Developed specifically for Windows operating systems, Adroit has a flexible object-oriented client server architecture that supports from a standalone implementation to an installation spanning multiple sites.

2. Report Deployment Utility

The Adroit Report Deployment Utility function is to help you create and deploy report packs. These report packs consists of Reporting Services' reports, data sources and component. The utility interfaces with SQL Reporting Services' web service.



The Adroit Report Deployment Utility will help you with the more complex tasks of managing your SQL Server Reporting Services.



For more detailed information, please consult the user manual document for this utility available to download from our website. (www.adroit.co.za)

3. Reports Switchboard

The SCADA switchboard is the navigation menu system for the adroit report suite which includes standard reports on the Adroit DBLog agent data, Adroit Audit reports and General reports. The agent server auditing includes any activities on the agent server, while the tag auditing is concerned specifically with data logged by any Audit Agents or SmartUI auditing.

Report Manager | Management | About | Help?



Home

SCADA

Alarm Management

EMS Audit

OEE

SCADA Intelligence

Note*: The source database (Adroit_Report_Suite) is out of date, please run the update script

Agent Audit

Adroit Audit Activity

Agent Server Session

SMARTUI Authorization Detail

SMARTUI Audit Activity

General

Historical Incidents

Agent Configuration Export

<< Data Management >>

DBLOG

DBLog Statistics

DBLog Daily Summary

Multiple Line Trend

Single Line

Housekeeping Statistics

version 1.2.1

Click the SCADA Report tab to open the switchboard

Feedback message to indicate action required

Click on the report name to open

Report Pack version

4. DBLog Reports

Adroit provides a standard DBLog agent that can be configured to log data points for any agent to an OLEDB compliant database. Each agent log to a specified table, which include set fields in Tagname, Timestamp, Value and Quality. Additional attributes for each agent is stored in a separate table that extend the detail on the standard trend reports. The report set combines summary table with statistics and line charts. All of which combines through drill down and drill through functionality provided.

4.1. Configuration Considerations DBLog Agent

The DBLog configuration dialog is divided into the following sections;

- The top checkboxes that determine the general operation of this agent
- The Enable checkbox (the BOOLEAN start slot), which allows you to start/stop this agent from logging the listed tags.

The Disable on standby checkbox (the BOOLEAN disableOnStandby slot), which allows you to disable this agent, when its Agent Server is part of a cluster and is in standby node - to prevent the logging of **duplicate** tags.

The String logging checkbox (the BOOLEAN strLog slot), when enabled logs the tag values as Strings and not numeric values; this also allows you to log other string slots (this will log the first 79 characters). The selected Logging method determines which parameters are required and when the list of tags are logged. For more information visit Configuring DBLog Agents in the Adroit help file.

Enable the DBLog Agent

Logging Method

How often the information should be logged

Tags to be logged, the list can be modified by using the 3 buttons on top of the grid to delete, Add or modify.

Browse the connection string

Table name

House Keeping period

4.2. DBLog Summary

This reports serves as an overview grid for selected agents, from which the user can drill deeper or narrower into either a specific tag or time slice. The report shows aggregated values for each of the selected tags in a table format grouped by a specific date part. For each level that the user drill down, lower granularity of the time slice detail is shown, from which the DBLog trend can be launched to represent the same data.

4.2.1. Report Component and Measures

Table

Data Grid – The data in the table is grouped by tag and display grouped values (minimum, maximum, average, last and records). These values are grouped by year, month, day and hour as the user drill down on the axis. The report relies on a specific table format, therefor an input parameter is required to indicate such table to use for the report data.

4.2.2. Report Parameters

Date From and Date To

Specify a date range by picking "Date From" and "Date To". Logged data details are included in the report provided that they are dated on or after "Date From" and before "Date To".

Tag Name

This is a list of available tags. Select at least one tag.

Table Name

This is a list of source tables. Select one table to retrieve tags that have been logged into this table.

Sample Count (maximum 2000)

Enter a number not exceeding 2000 to specify the number of sample points.

Drill through to trend report

view

		Battery Level					Flow Rate					Pump run 1				Pump run 2			
		pump_st_bat_lev.value					pump_st_flow_rate.value					pac_plan_pmp_1_run.value				pac_plan_pmp_2_run.value			
Date		Min	Max	Last	Avg	Count	Min	Max	Last	Avg	Count	Min	Max	Last	Count	Min	Max	Last	Count
2014/10/16		13.54	13.56	13.55	13.55	6	5.57	66.75	64.65	37.93	8	0	1	0	5	0	1	0	6
2014/10/17		13.54	13.56	13.54	13.55	57	12.43	83.46	57.02	46.62	80	0	1	1	3	0	1	1	3
2014/10/18		13.52	13.56	13.55	13.55	45	12.93	78.69	73.16	49.48	63	0	1	0	8	0	1	0	8
2014/10/19		13.50	13.56	13.55	13.55	60	2.63	84.11	2.63	51.04	79	0	1	0	20	0	1	0	16
2014/10/20		13.45	13.57	13.55	13.55	88	0.00	97.34	0.04	31.25	87	1	1	1	1	1	1	1	1
2014/10/21		13.49	13.58	13.56	13.55	89	0.00	56.53	4.90	30.76	57	0	0	0	2	0	0	0	2
2014/10/22		13.49	13.57	13.55	13.54	43	1.75	9.38	1.83	4.41	48	1	1	1	1	1	1	1	1
2014/10/23		13.54	13.57	13.56	13.55	10	22.50	61.98	46.69	46.59	10	0	1	1	2	0	0	0	1
Total		13.45	13.58	13.56	13.55	398	8.88	97.34	46.69	37.26	432	0	1	1	42	0	1	0	38

Drill through to trend report

More information available in tooltips

Drill through – click to a more detailed report

Data grid grouped by tag

Click on the tag to limit the data

4.3. DBLog Housekeeping Statistics

The report highlights how long, in days, the logged tags will be stored and the status of the DBLog housekeeping.

4.3.1. Report Component and Measures

Table

Data Grid – A data grid is created for DBLog table returned in the dataset. Detailed housekeeping statistics are listed per table name.

4.3.2. Report Parameters

Date From and Date To

Specify a date range by picking "Date From" and "Date To". Logged events or actions are included in the report provided that they are dated on or after "Date From" and before "Date To".

Table Details	Table Name	Days	Location Path	Execution Started	Execution End	Status
	Adr_DBLog	60	C:\Archive	2014/09/02 03:01:07 AM	2014/09/02 03:01:08 AM	Housekeeping Completed Successfully
	Adr_DBLog_Analog	60	C:\Archive	2014/09/02 03:01:08 AM	2014/09/02 03:01:15 AM	Housekeeping Completed Successfully

4.4. DBLog Statistics Report

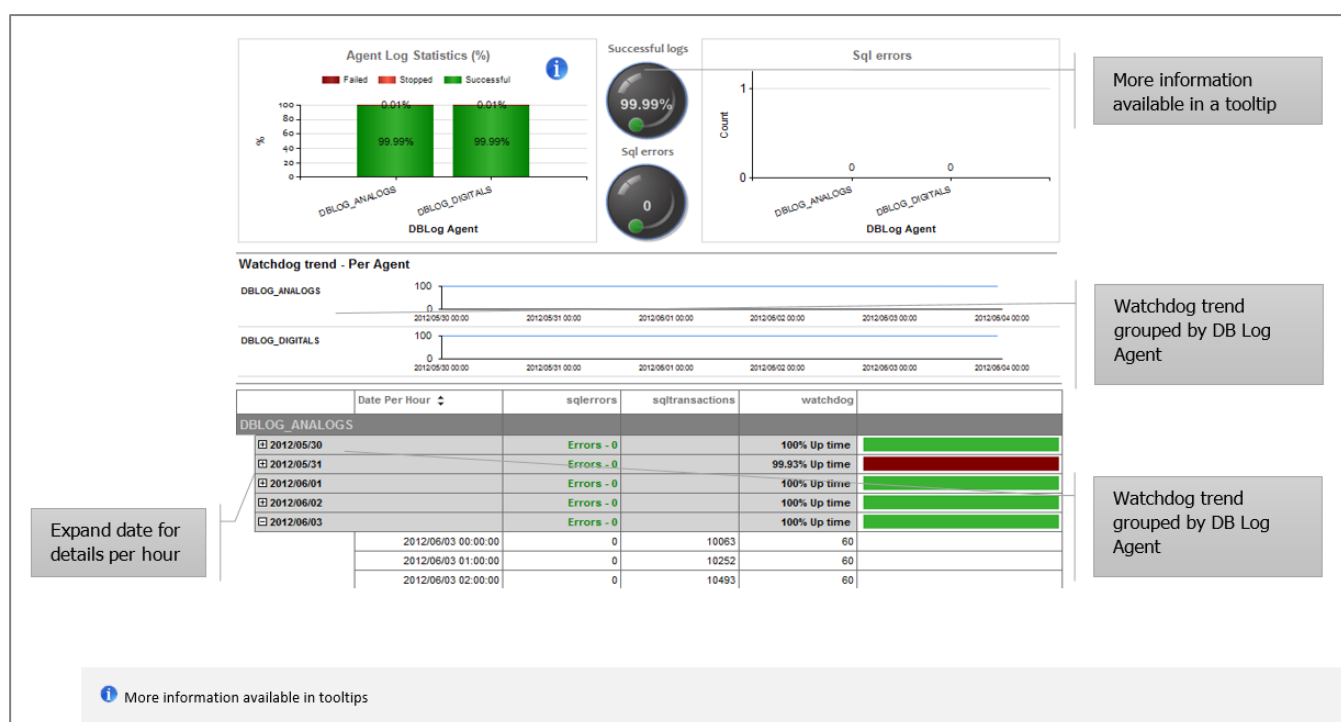
The DBLog Statistics Report summarises the DBLog Agent logging statistics, including successful, stopped and failed logs that were logged by the agent into the DBLog Statistics Report. This includes a heartbeat record to the table.

4.4.1. Report Component and Measures

Agent Log Statistics	SQL Errors
<i>Column Chart</i> – Summary of DBLog agent successful logs, failed logs and stopped logs specified as a percentage on the y-axis and the DBLog agent name on the x-axis.	<i>Column Chart</i> – Summary of SQL errors with the count of SQL errors on the y-axis per DBLog agents on the x-axis.
Successful Logs	SQL Errors
<i>Gauge</i> – This is a percentage successful log across all DBLog agents.	<i>Gauge</i> – A count of all the SQL errors.
Watchdog Trend – per DBLog Agent	DBLog Agent Details
<i>Line Chart</i> – Summary of the DBLog agent logging per day, percentage logging on the y-axis and date on the x-axis.	<i>Data Grid</i> – The data grid is created for each DBLog agent returned in the data set. Within each DBLog agent the logging details are grouped per day and listed by the hour.

4.4.2. Report Parameters

Date From and Date To
Specify a date range by picking "Date From" and "Date To". Logged data details are included in the report provided that they are dated on or after "Date From" and before "Date To".



4.5. DBLog Multi-Trend Report

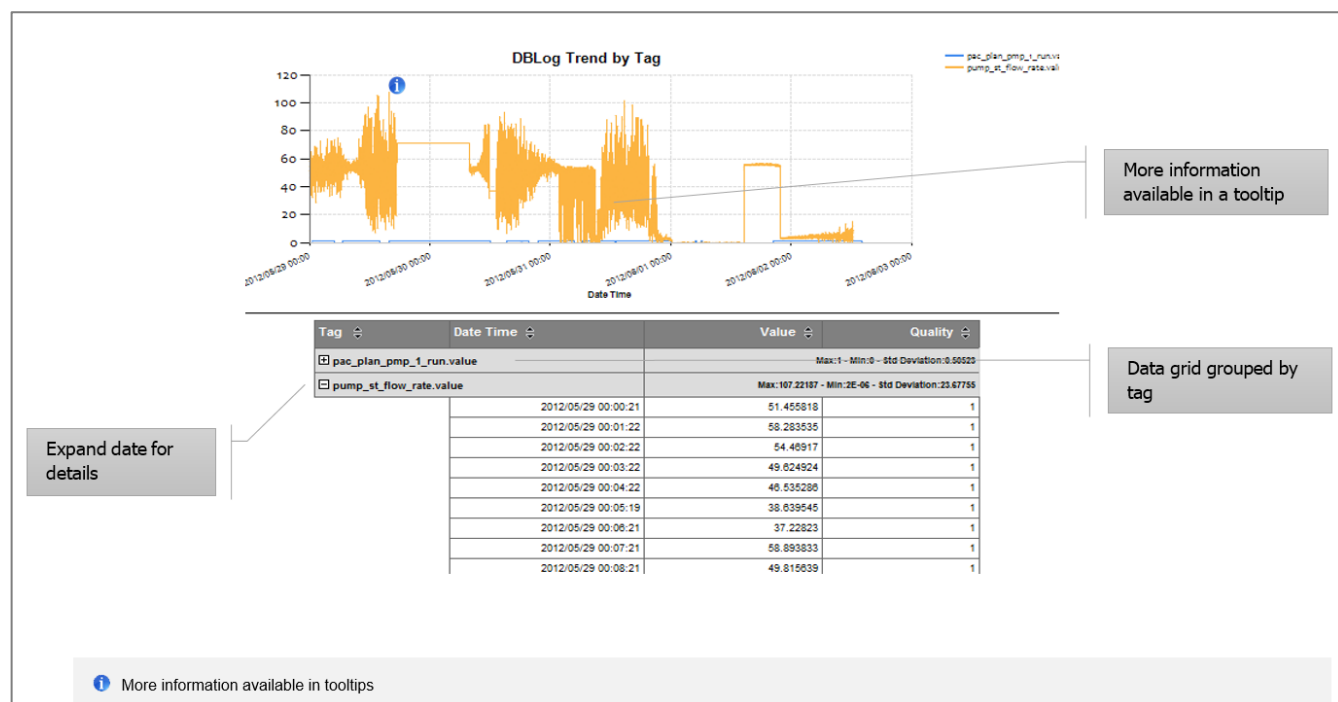
This report plots values for each of the selected tags on a multi-line chart and also includes the data in a data grid with basic data summaries (minimum, maximum and standard deviation). In order to aid report generation performance on larger data sets an interval sampling mechanism is used to return a specified number of samples (maximum 2000) for the selected reporting period.

4.5.1. Report Component and Measures

DBLog Trend by Tag	Tag Details
<i>Line Chart</i> – The interval sampled values (or actual values if the number of actual values is less than the specified number of sample points), for each of the selected tags are plotted on a line chart against a date time axis.	<i>Data Grid</i> – All the data returned in the line chart is also included in a detailed data grid. The data in the data grid is grouped by tag with a summary per tag (minimum, maximum and standard deviation).

4.5.2. Report Parameters

Date From and Date To	Tag Name
Specify a date range by picking "Date From" and "Date To". Logged data details are included in the report provided that they are dated on or after "Date From" and before "Date To".	This is a list of available tags. Select at least one tag.
Table Name	Sample Count (maximum 2000)
This is a list of source tables. Select one table to retrieve tags that have been logged into this table.	Enter a number not exceeding 2000 to specify the number of sample points.



4.6. DBLog Single Line Trend Report

This report plots values for each of the selected tags on a single line chart and also includes the data in a data grid with basic data summaries (minimum, maximum and standard deviation). In order to aid report generation performance on larger data sets an interval sampling mechanism is used to return a specified number of samples (maximum 2000) for the selected reporting period.

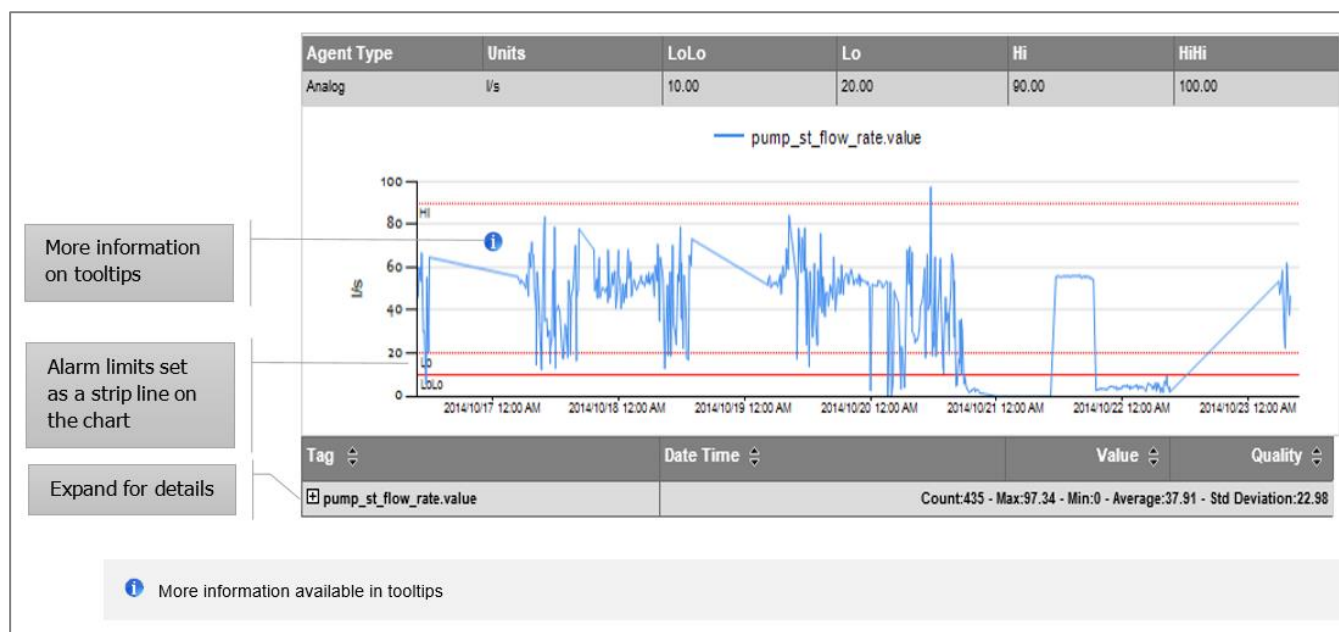
4.6.1. Report Component and Measures

DBLog Trend by Tag	Tag Details
<i>Line Chart</i> – The interval sampled values (or actual values if the number of actual values is less than the specified number of sample points), for each of the selected tags are plotted on a line chart against a date time axis.	<i>Data Grid</i> – All the data returned in the line chart is also included in a detailed data grid. The data in the data grid is grouped by tag with a summary per tag (minimum, maximum and standard deviation).

4.6.2. Report Parameters

Date From and Date To	Tag Name
Specify a date range by picking "Date From" and "Date To". Logged data details are included in the report provided that they are dated on or after "Date From" and before "Date To".	This is a list of available tags. Select at least one tag.

Table Name	Sample Count (maximum 2000)
This is a list of source tables. Select one table to retrieve tags that have been logged into this table.	Enter a number not exceeding 2000 to specify the number of sample points.



5. Auditing Reports

Adroit Report Pack provides the tools necessary to view the activities of the Agent server and SmartUI Server with reports such as Adroit Audit Activity and SmartUI Audit Activity. It is also a report pack to measure the duration of the session of the Agent server with a report such as the Agent Server Session.

This version of the Adroit Report Pack also introduces us to a report that shows changes that required authorization on a SmartUI dataelement (agent.slot). This report is built on the same methodology of Title 21 CFR Part 11

Title 21 CFR Part 11 is the part of Title 21 of the Code of Federal Regulations that establishes the United States Food and Drug Administration (FDA) regulations on electronic records and electronic signatures (ERES). **Part 11**, as it is commonly called, defines the criteria under which electronic records and electronic signatures are considered trustworthy, reliable, and equivalent to paper records (Title 21 CFR Part 11 Section 11.1

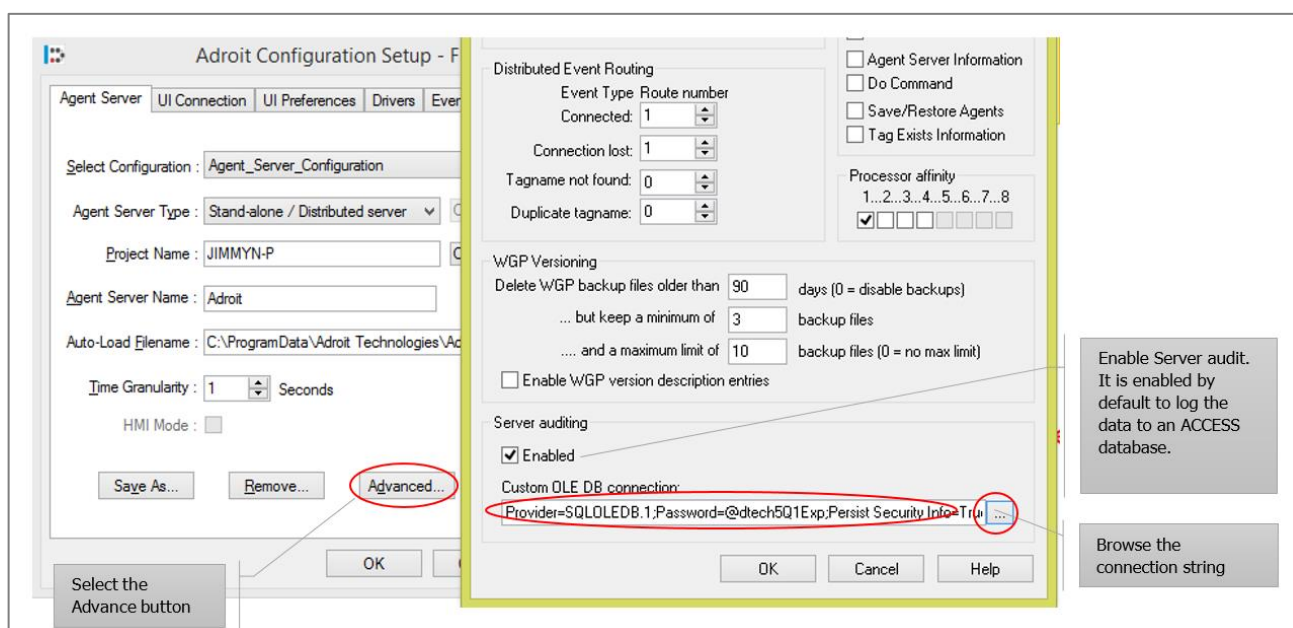
5.1. Adroit Configuration Considerations Server Auditing

5.1.1. Standard Agent Server Auditing

The Adroit session table is created with the Audit Activity table when Adroit Server Auditing is enabled. For more information on this, refer to "Agent Server Auditing" in the Adroit help file.

To enable server auditing:

1. Open the Adroit setup utility and go to the Advanced Agent Server Configuration window.
2. Browse the data link properties to the database where the Adroit Server Auditing is to be logged into the Custom OLE DB connection text box.
3. Enable Server Auditing by checking the "enable" check box. Specify a connection string to the database storing the audit logs
4. Restart the Adroit Agent Server.



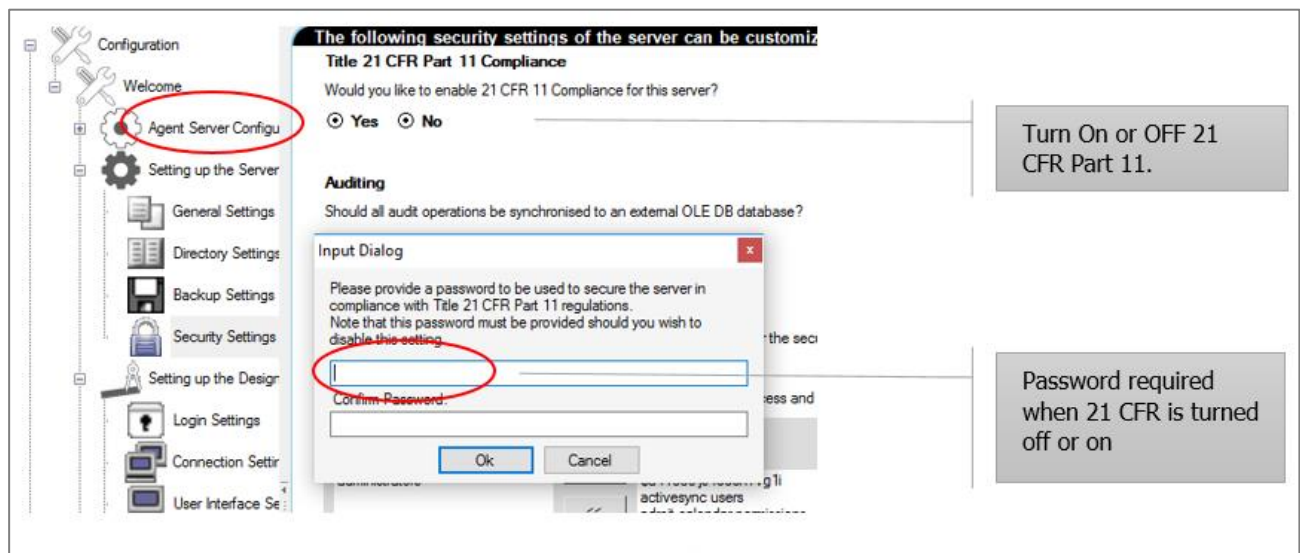
5.1.2. SmartUI/MAPS Title 21 CFR Part 11 Auditing

Title 21 CFR Part 11 (21 CFR 11) of the Code of Federal Regulations deals with the United States Food and Drug Administration (FDA) guidelines on electronic records and electronic signatures (ERES). This defines the criteria and circumstances under which electronic records and electronic signatures are considered to be trustworthy, reliable and equivalent to paper records by the FDA.

When it is enabled it denies external access to the Agent Server. It requires at least 2 operators to be able to modify/change set points and the operators must have write access to the set points or authorize. One operator initiate the change the other authorize the change, the authorization details are logged and shown in the SmartUI Authorization Detail report. The SmartUI/MAPS have the capability to log audit writes of data elements (Agent.slot). The logged details can be viewed in the SmartUI Audit activity report. This is similar to the Adroit tag auditing but executed on a data element in the SmartUI instead.

To enable 21 CFR 11 auditing:

1. Open Adroit Config Editor
2. Click on Setting up the Server
3. Click on Security Settings
4. Under Title 21 CFR Part 11 Compliance, select Yes and type in a password. This password will be used to disable 21 CFR 11 auditing as well.
5. Select Yes in the next section under Auditing to save all the records to a SQL database and set up the connection string.



Auditing

Should all audit operations be synchronised to an external OLE DB database?

☒ Yes ☐ No

Connection String:

Log data to external Database. By default data is logged to a Compact SQL Database from which reports are not available

Connection Properties ? X

Data source:
Microsoft SQL Server (SqlClient) Change...

Server name:
 Refresh

Log on to the server

☒ Use Windows Authentication
☐ Use SQL Server Authentication

User name:
Password:
☐ Save my password

Connect to a database

☒ Select or enter a database name:

☐ Attach a database file:
 Browse...

Logical name:

Advanced...

Test Connection OK Cancel

5.2. Adroit Session Report

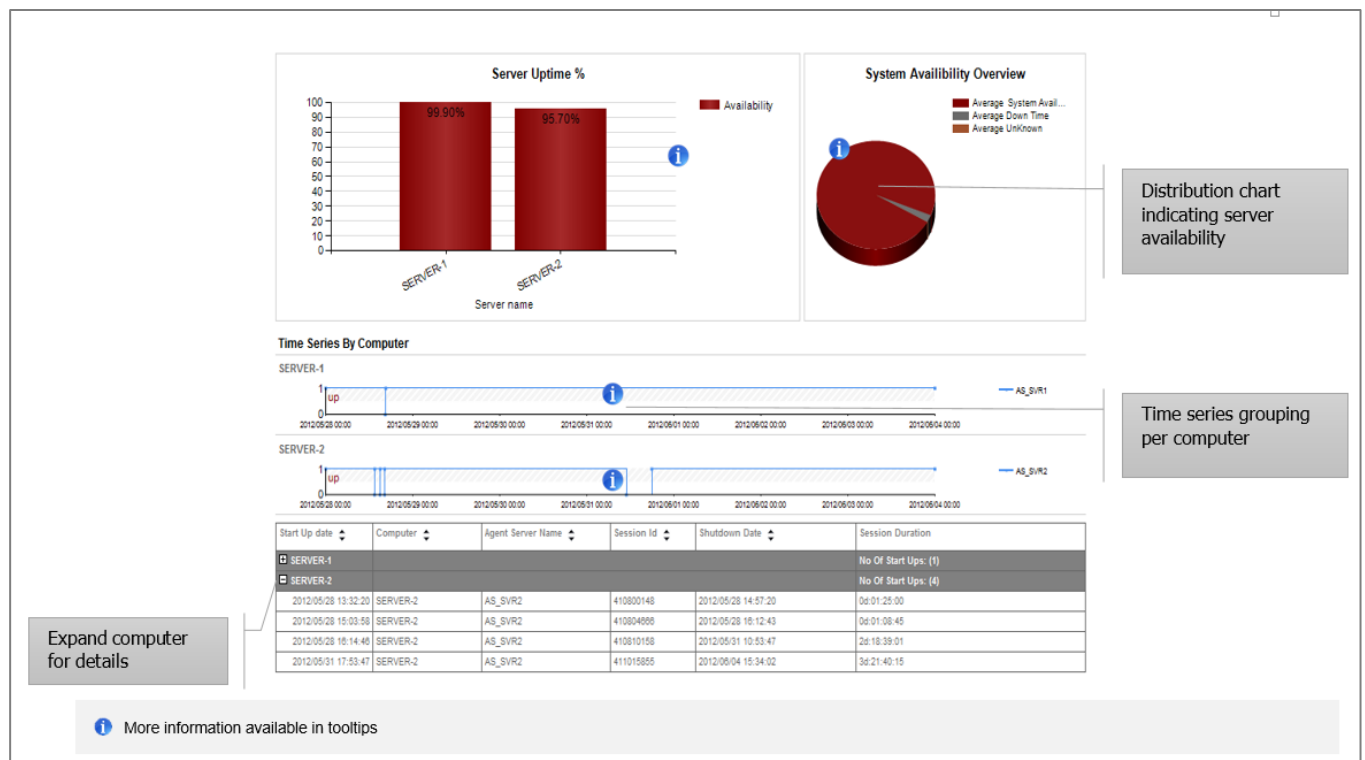
This report highlights the Adroit session usage, server up-time and overall availability. A list of agent server events are available.

5.2.1. Report Component and Measures

Server Up-Time <i>Column Chart</i> – A summary of the Adroit agent server availability specified as a percentage on the y-axis and the server name on the x-axis.	System Availability Overview <i>Pie Chart</i> – An overview of system availability with three slices representing the average system availability, average down-time and average unknown time (unclosed sessions).
Time Series by Computer <i>Line Chart</i> – A summary of the agent server start-up or shutdown on the y-axis and date/time on the x-axis. Gaps in the line graph represent time periods during which the system was down.	Server Up-Time Details <i>Data Grid</i> – A data grid is created for computers returned in the data set. Data is grouped by computer and within each computer the session detail is displayed.

5.2.2. Report Parameters

Date From and Date To Specify a date range by picking "Date From" and "Date To". Session data details are included in the report provided that they are dated on or after "Date From" and before "Date To".



5.3. Audit Activity Report

This report combines two sets of audit data. Server auditing logs any server modifications or changes to the activity table under certain server categories e.g. "WGP Save". Specific set point changes (slots) are tracked through the audit agent and can be identified under the category "Tag Audit".

5.3.1. Report Component and Measures

Audit Activity Details

Data Grid – A data grid is created for computers returned in the data set. Data is grouped by computer and within each computer a detailed breakdown of what the audit agent logged is displayed.

5.3.2. Report Parameters

Date From and Date To

Specify a date range by picking "Date From" and "Date To". Logged events or actions are included in the report provided that they are dated on or after "Date From" and before "Date To".

View By

The user can choose to view the report by categories or users. Select an option from the dropdown list.

Filter

This may be a list of categories or users, depending on the user's selection in the View By parameter.

Computer

This is a list of available computers. Select at least one computer.

Date Time	Computer	User Name	Object name	Object value	Category	Remarks
2012/05/29 00:45:18	SERVER-2UI	terminal	User telemetry/terminal logged off at SERVER-2UI		UI logon/logoff	No Of Incidents: (2)
2012/05/29 00:45:29	SERVER-2UI	Smith	User telemetry/Smith logged on at SERVER-2UI		UI logon/logoff	No Of Incidents: (23)
2012/05/29 08:46:42	SERVER-2UI	terminal	User telemetry/terminal logged off at SERVER-2UI		UI logon/logoff	No Of Incidents: (2)
2012/05/29 08:48:43	SERVER-2UI	terminal	User telemetry/terminal logged off at SERVER-2UI		UI logon/logoff	No Of Incidents: (26)
2012/05/29 08:48:58	SERVER-2UI	Willem	User telemetry/Willem logged on at SERVER-2UI		UI logon/logoff	
2012/05/29 19:50:41	SERVER-2UI	terminal	User telemetry/terminal logged off at SERVER-2UI		UI logon/logoff	
2012/05/29 19:50:54	SERVER-2UI	Mokoena	User telemetry/Mokoena logged on at SERVER-2UI		UI logon/logoff	
2012/05/29 00:49:00	SERVER-2UI	Smith	User telemetry/Smith logged on at SERVER-2UI		UI logon/logoff	
2012/05/29 08:54:02	SERVER-2UI	terminal	User telemetry/terminal logged off at SERVER-2UI		UI logon/logoff	

Expand computer for details

Data grid grouping by computer

5.4. SmartUI Authorization Detail Report

For each data element that were configured for auditing and authorization is required, a record is kept for both the requested user and authorized user amongst the value and element identified. The report provides a list of authorized changes.

5.4.1. Report Component and Measures

Agent Audit Details

Data Grid – A data grid is created for computers returned in the data set. Data is grouped by computer and within each computer system events and actions logged by the audit agent are displayed.

5.4.2. Report Parameters

Date From and Date To

Specify a date range by picking "Date From" and "Date To". Logged events or actions are included in the report provided that they are dated on or after "Date From" and before "Date To".

Computer

This is a list of available computers. Select at least one computer.

Object Name

This is a list of objects. Select an option from the dropdown list.

User Auth

This is a list of all the users (operators) that authorized a user write action requested by another operator.

Data grid grouping by computer

Date Time	Computer	User Name	Authorized By	User Comment	Object Name	Object Value	Category	Remarks	Data Source	Agent Type	Agent	Slot
No Of Incidents: (23)												
4/3/2017 8:07:58 AM	HENK-PC	ADROIThenic			Adroit.Digital.S_PUMP_01_RUN value	0 to 1	User Write	Value changed from 0 to 1	Adroit	Digital	S_PUMP_01_RUN	value
4/3/2017 8:08:10 AM	HENK-PC	ADROIThenic			Adroit.Digital.S_PUMP_02_RUN value	0 to 1	User Write	Value changed from 0 to 1	Adroit	Digital	S_PUMP_02_RUN	value

5.5. SmartUI Audit Activity Report

Reports on all set point or value changes to a data element within the SmartUI.

5.5.1. Report Component and Measures

Audit Activity Details

Data Grid – A data grid is created for computers returned in the data set. Data is grouped by computer and within each computer a detailed breakdown of what the audit agent logged is displayed.

5.5.2. Report Parameters

Date From and Date To	View By
Specify a date range by picking "Date From" and "Date To". Logged events or actions are included in the report provided that they are dated on or after "Date From" and before "Date To".	The user can choose to view the report by categories or users. Select an option from the dropdown list.
Computer	Object Name
This is a list of available computers. Select at least one computer.	This is a list of objects. Select an option from the dropdown list.
Filter	Group
This may be a list of categories or users, depending on the user's selection in the View By parameter.	This option allows the user to group results either by User or by Category (Currently in the 21 CFR 11 auditing there is only one category - User Write)

Date Time	Computer	User Name	Authorized By	UserComment	Object Name	Object Value	Category	Remarks
SERVER-2								
4/3/2017 8:07:08 AM	SERVER-2	ADROITjhenko			Adroit.Digital.B_PUMP_01_RUN.value	0 to 1	User Write	No Of Incidents: (23) Value changed from 0 to 1
4/3/2017 8:11:15 AM	SERVER-2	ADROITjhenko			Adroit.Digital.B_PUMP_05_RUN.value	0 to 1	User Write	Value changed from 0 to 1
4/3/2017 8:11:55 AM	SERVER-2	ADROITjhenko	ADROITjamesh	Need to add new targets	Adroit.Digital.B_PUMP_STOP_ALL.value	0 to 1	User Write	Value changed from 0 to 1
4/3/2017 8:12:55 AM	SERVER-2	ADROITjhenko	ADROITjamesh	New Daily Target	Adroit.Analog.CR_LEVEL_TARGET_01.value	0 to 1	User Write	Value changed from 0 to 1

Expand group for details

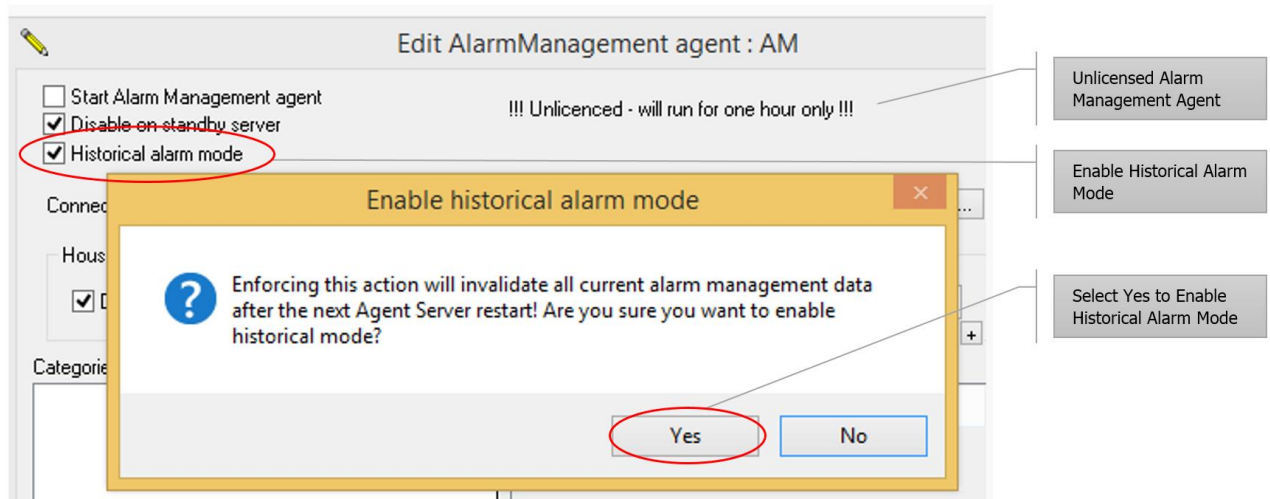
Data grid grouping by computer with detail records

6. General Reports

6.1. Configuration Considerations Historical Alarm Mode

Historical alarm mode allows an unlicensed AlarmManagement agent to save your historical alarms to a SQL Server database. For more information on this, refer to "Historical Alarm mode" in the Adroit help file.

- ONLY when your Agent Server license is not licensed for AlarmManagement does the AlarmManagement dialog contain a **Historical Alarm mode** check box.
- Enable the Historical alarm mode, the next time that you start the Agent Server a minimal set of tables from the Alarm Management database are deployed.



WARNING: If you connect to an existing AlarmManagement database, tables are removed and replaced with a minimal set of tables which can result in data loss.

6.2. Historical Incidents Report

The report highlights a detailed list of incidents.

6.2.1. Report Component and Measures

Table

Data Grid – A data grid is created for historical incidents returned in the dataset.

6.2.2. Report Parameters

Date From and Date To	Alarm or Event
Specify a date range by picking "Date From" and "Date To". Incidents are included in the report provided they are dated on or after "Date From" and before "Date To".	Report on alarms, events or both by selecting the appropriate option from the dropdown.

Priority	Filter Alarm Type
Select all or a particular alarm priority to run the report against.	This is a list of alarm types. Select at least one or more alarm type/s.

Filter Incidents
This is a list of incidents. Select at least one or more incidents.

Date Time	Incident	Description	Alarm Type	Data	Acknowledged By	Acknowledged Date Time	Cleared Date Time	Active Time	Shift	Priority
2015/12/18 01:39:00 PM	D21.On	Sample Digital	On	ON	RESTART	2015/12/18 01:43:00 PM	2015/12/18 01:43:00 PM	00:03:14	1	2
2015/12/18 01:39:00 PM	D22.On	Sample Digital	On	ON	RESTART	2015/12/18 01:43:00 PM	2015/12/18 01:43:00 PM	00:03:14	1	2
2015/12/18 01:39:00 PM	D23.On	Sample Digital	On	ON	RESTART	2015/12/18 01:43:00 PM	2015/12/18 01:43:00 PM	00:03:14	1	2
2015/12/18 01:39:00 PM	D24.On	Sample Digital	On	ON	RESTART	2015/12/18 01:43:00 PM	2015/12/18 01:43:00 PM	00:03:14	1	2
2015/12/18 01:39:00 PM	D25.On	Sample Digital	On	ON	RESTART	2015/12/18 01:43:00 PM	2015/12/18 01:43:00 PM	00:03:14	1	2
2015/12/18 01:39:00 PM	D26.On	Sample Digital	On	ON	RESTART	2015/12/18 01:43:00 PM	2015/12/18 01:43:00 PM	00:03:14	1	2
2015/12/18 01:39:00 PM	D27.On	Sample Digital	On	ON	RESTART	2015/12/18 01:43:00 PM	2015/12/18 01:43:00 PM	00:03:14	1	2

Sort column available

Incident list with time of occurrence and cleared time

6.3. Agent Configuration Export Report

Using a DumpConfig agent in the Configurator, the user can export specified agent groups, agents and slots into automatically generated SQL table. Each Agent group is represented with its own table, columns are dynamically created based on the specified slots. This report combines all the export tables from the database and allows the use to choose which ones to report on.

** This is a dynamic report that allows for growing number of columns which can result in report spanning across multiple pages and columns being wrapped at fixed sizes.*

6.3.1. Report Component and Measures

Table

Data Grid – A data grid is created for the selected dump table. Details of all the slots (selected in the DumpConfig agent) will be listed in each row.

6.3.2. Report Parameters

Table Name

Select a table to see the report for that agent type. (e.g.: Adr_Dump_Digital shows the configuration for all the Digital agents.)

Date From and Date To

Specify a date range by picking "Date From" and "Date To". Logged events or actions are included in the report provided that they are dated on or after "Date From" and before "Date To".

ID	DT	AGENTNAME	AGENTDESCRIP TION	AGENTTYPENAM E	INITVALUE	VALUE	TEXTVALUE	STATE0	STATE1
5	Mar 3 2017 12:39PM	ILG1-OVERRIDE		Digital	0	0	OFF	OFF	ON
6	Mar 3 2017 12:39PM	B_PUMP_01_RUN	B Pump 01 Run	Digital	0	0	OFF	OFF	ON
7	Mar 3 2017 12:39PM	B_PUMP_02_RUN	B Pump 02 Run	Digital	0	0	OFF	OFF	ON
8	Mar 3 2017 12:39PM	B_PUMP_03_RUN	B Pump 03 Run	Digital	0	0	OFF	OFF	ON
9	Mar 3 2017 12:39PM	B_PUMP_04_RUN	B Pump 04 Run	Digital	0	0	OFF	OFF	ON
10	Mar 3 2017 12:39PM	B_PUMP_05_RUN	B Pump 05 Run	Digital	0	0	OFF	OFF	ON
11	Mar 3 2017 12:39PM	B_PUMP_STOP_ALL	Stop All Pumps	Digital	0	0	OFF	OFF	ON
12	Mar 3 2017 12:39PM	B_PUMP_RUN	Pump Running	Digital	0	0	OFF	OFF	ON
13	Mar 3 2017 12:39PM	B_COMMS_FAIL	Communication Downtime	Digital	0	0	OFF	OFF	ON

Dynamic columns based on agent type or specified slots

7. Technical Support

For further support, contact our Technical Support Desk on 011-658-8100 or email support@adroit.co.za.

You can also visit our website, follow us on Twitter, find us on Facebook or connect with us on LinkedIn.

