Working with Audit Logs
Version 5.3

Smarten

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Disclaimer

This document is intended to support administrators, technology managers or developers using and implementing Smarten. The business needs of each organization will vary and this document is expected to provide guidelines and not rules for making any decisions related to Smarten. The overall performance of Smarten depends on many factors, including but not limited to hardware configuration and network throughput.

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Contents

1 Introduction

Audit logs are essentially a record of events and activities that are performed by the users and provide log records for the objects in which the user performed the activities.

Smarten Audit Logs provide detailed logs and comprehensive analytics that include user wise, object wise, time stamp-based details. The audit logs support compliance, popularity, usage, accountability, and security.

2 Audit Log Level

Smarten provides three levels of the Audit Logs: **Basic**, **Object Access**, and **Detail**.
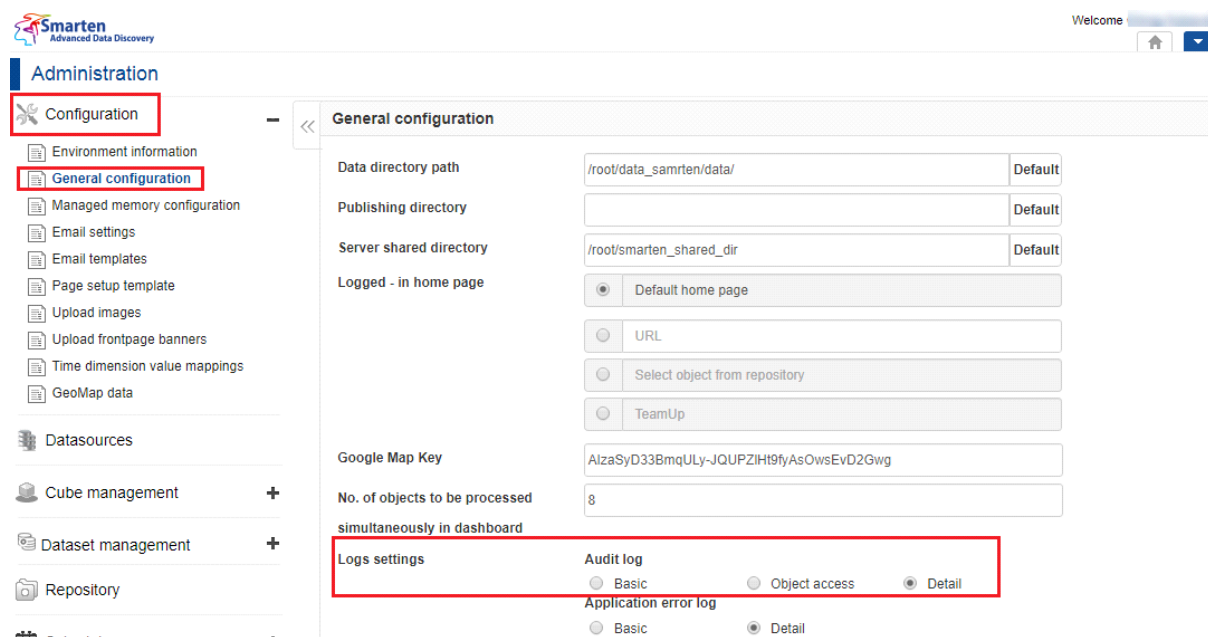
LOGS SETTINGS—AUDIT LOG

- **Basic**: It allows to log only Login/Logout activities of users.

- **Object Access**: It allows to log Login/Logout activities of users and object open event performed by users. So, in this level of audit logs, administrators can track object access details by users with a time stamp.

- **Detail**: It allows logging all the types of activities by the users, such as new object creation, edit object, filter, sorting, and many others.

3 Audit Logs Format

Audit Logs record user-wise information with the date-time and various activities performed by the user. Audit Logs are generated in a semicolon-separated CSV text file.

The first line in the output file represents column names:

ActionDate;SessionId;UserName;LoginFrom;Action;Module;ObjectName;ObjectId;CubeName;CubeId;Description
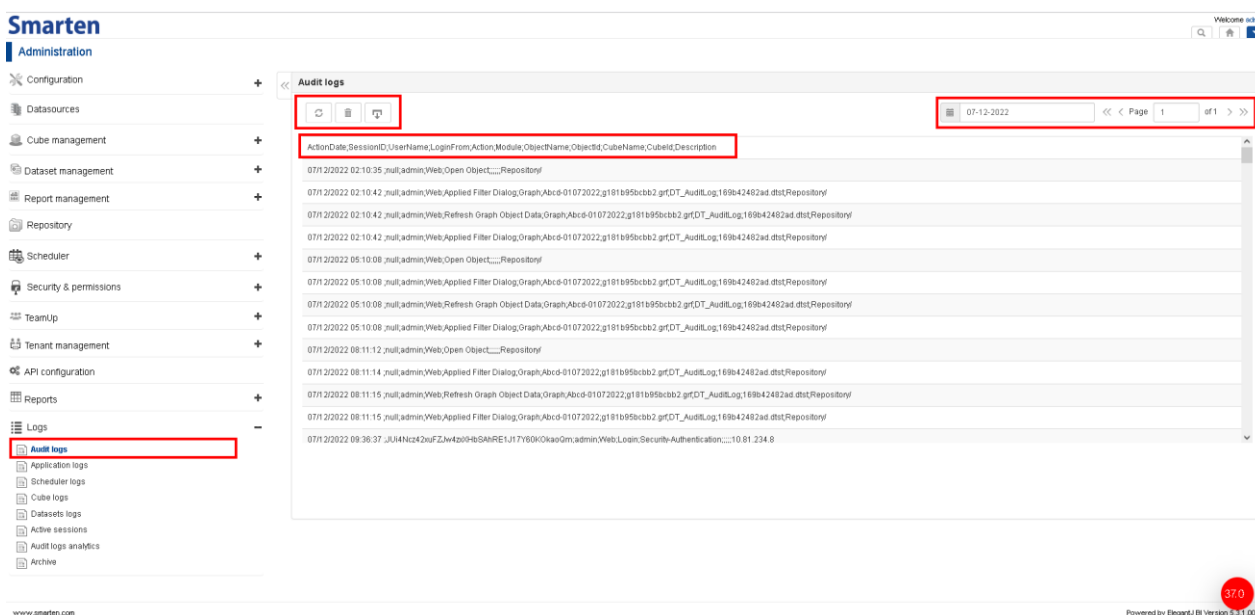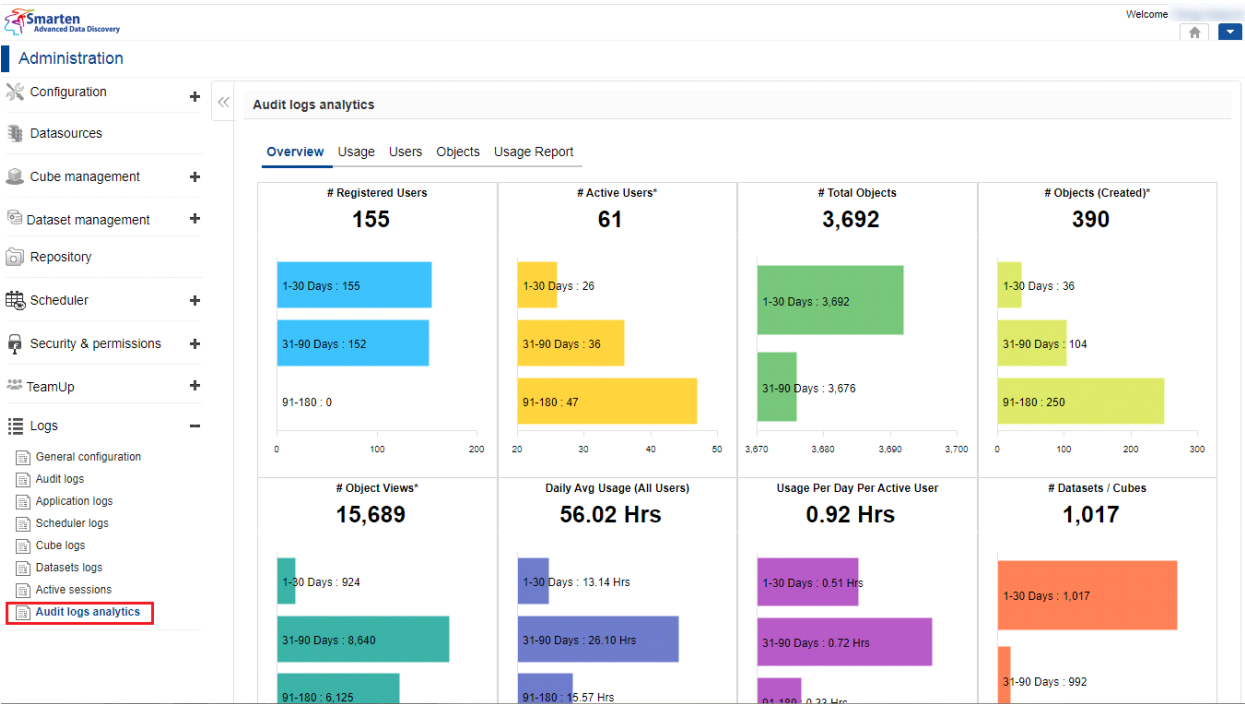

LOGS—AUDIT LOGS

Column	Description
Action Date	Date & time of the log.
SessionID	User session ID from which user activity is performed.
Username	Name of the user who performed the activity.
Login From	Login source from where user has performed activity such as Web, Mobile and API.
Action	Activity performed by the user, e.g., Login, Logout, Open Object, Save Object, Add column.
Module	Module name for which activity is performed, i.e., Authentication, Dashboard, Repository, Crosstab, and Tabular.
Object Name	Name of the object.
Object Id	Id of the object.
Cube Name	Name of the cube or dataset associated with the object.
Cube Id	Id of the cube or dataset for the object.
Description	Additional information for user activity, such as IP address for login action.

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4   Audit Logs Analytics

Audit logs analytics provides the information about various events performed by the users in the different types of dashboards.

There are mainly five dashboards provided to obtain visibility on user activities: **Overview**, **Usage**, **Users**, **Objects**, **Usage Report**.
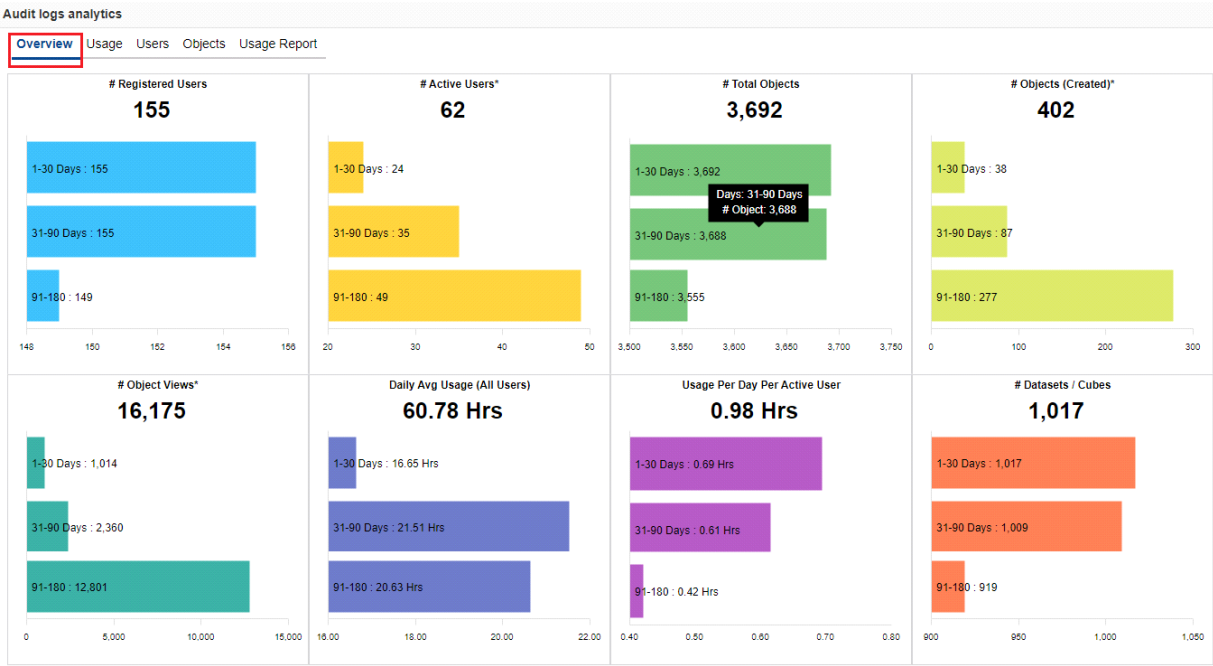

LOGS—AUDIT LOGS ANALYTICS

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4.1 Overview

Overview dashboard provides information about Registered Users, Active Users, Total Objects, Objects (Created), Object Views, Daily Avg. Usage (all users), Usage per Day per Active User, and Database/Cubes.

These analytics help you to get an overview on users and usage.

AUDIT LOGS ANALYTICS—OVERVIEW

4.2   Usage

The usage dashboard provides usage information by users and objects.

By default, you will see the daily (date wise) and day of the week wise usage and trends by objects, active users, and total usage in hours. You can apply different time series filters to analyse in detail.
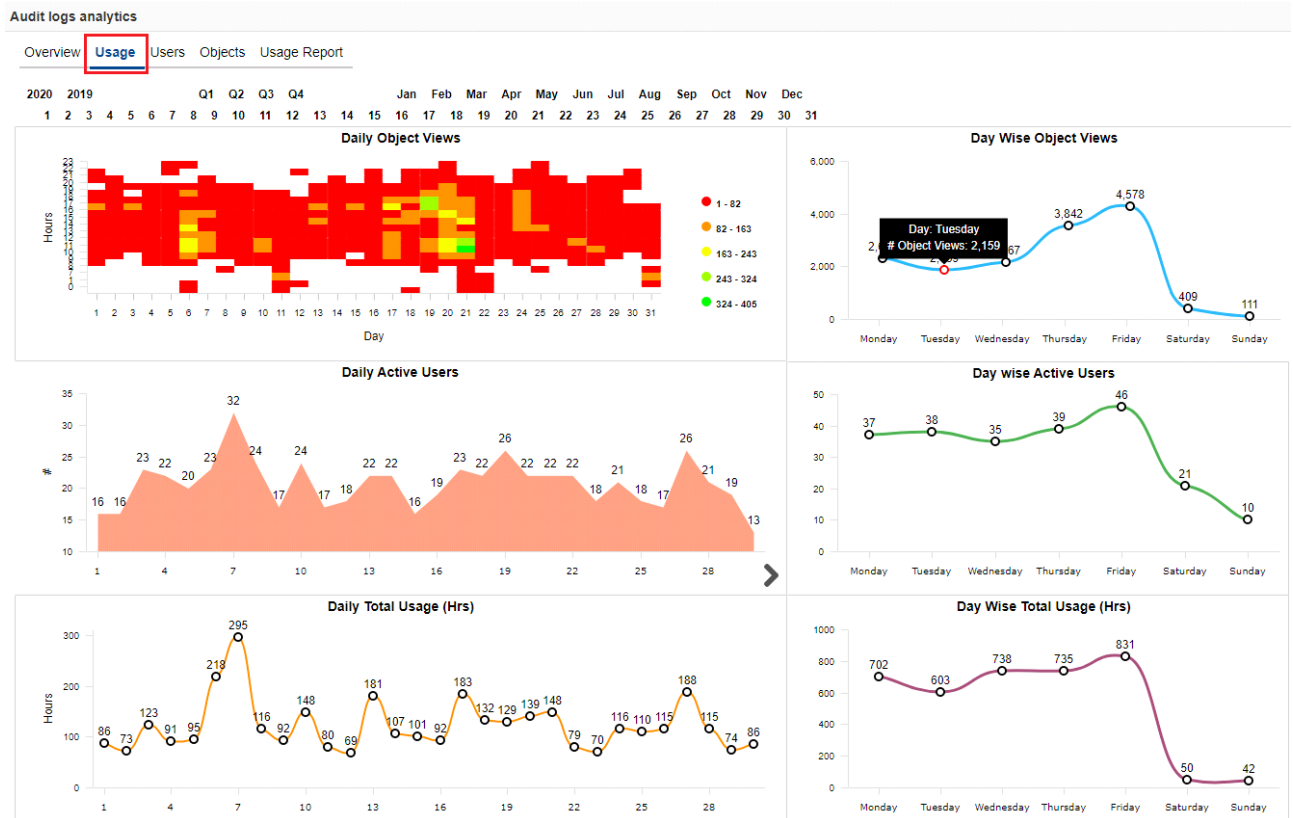
AUDIT LOGS ANALYTICS—USAGE

4.3 Users

The users dashboard provides total user counts and active user-related KPIs. It also displays top-bottom analysis and a listing of users for various activities undertaken by the users.

You can apply different time series filters to analyse in detail.
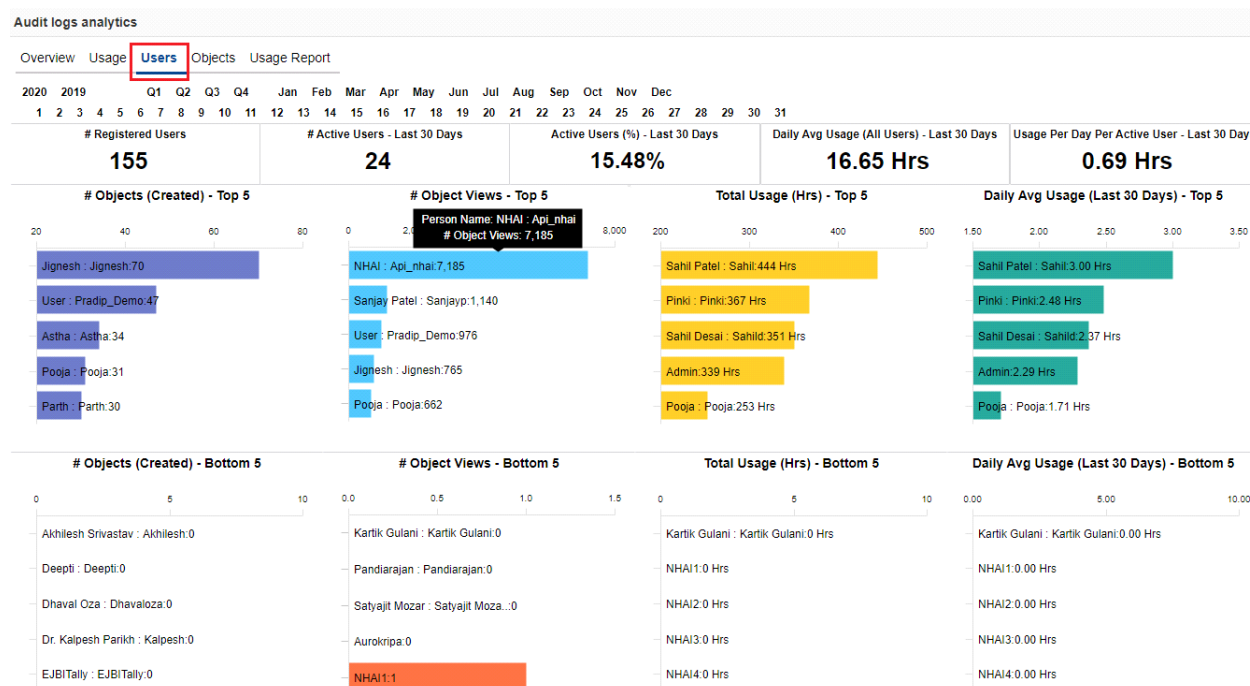
AUDIT LOGS ANALYTICS—USERS

4.4   Objects

The objects dashboard provides all the objects view based on various object-related activities performed by different users.

You can apply different time series filters to analyse in detail.

AUDIT LOGS ANALYTICS—USERS

4.5   Usage Report

The Usage Report provides a tabular report about the users and details, such as Name and Email ID, Dept. Name, the Last Login details, created objects, and objects view. You can apply different time series filters to analyse in detail.
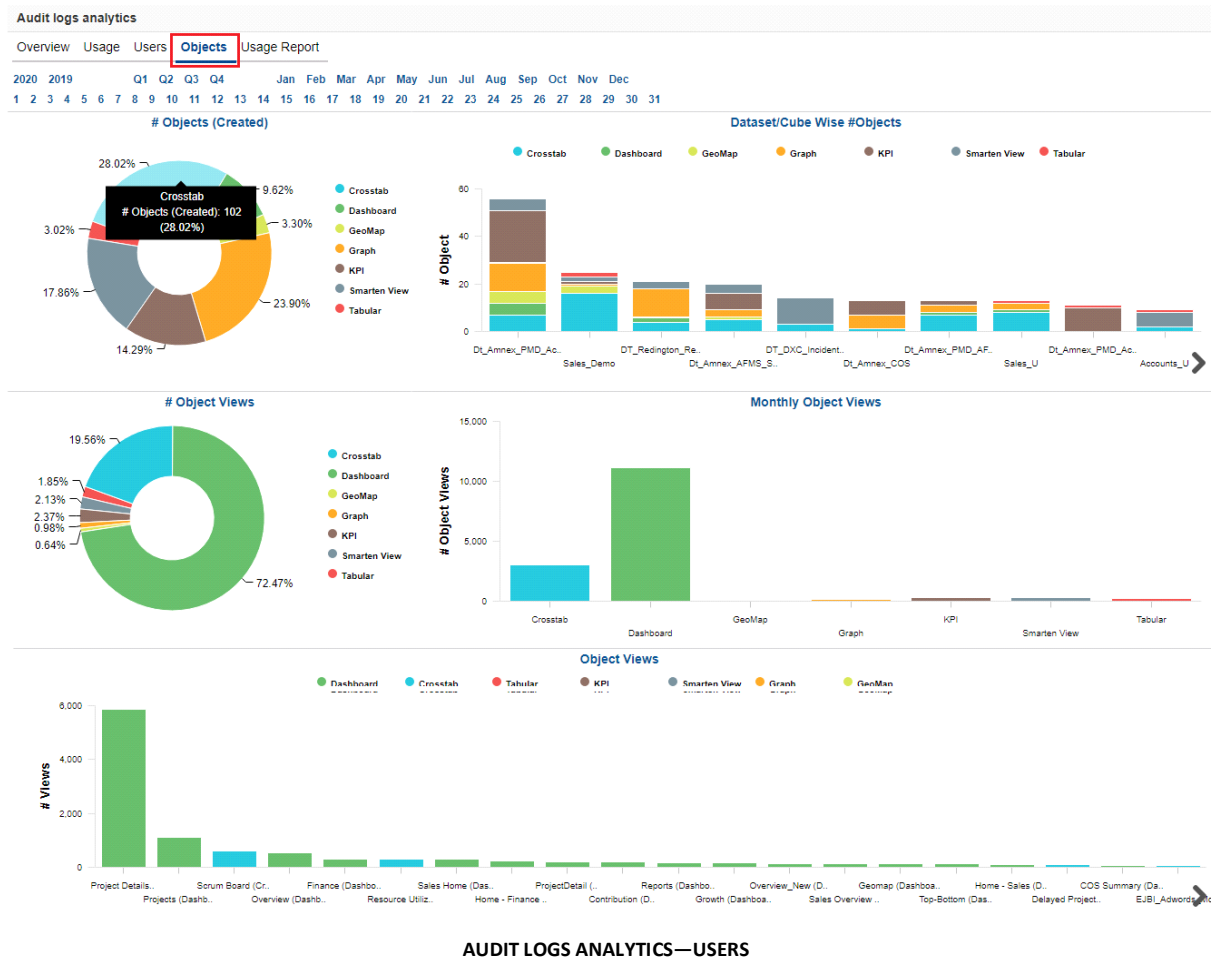
Audit logs analytics

Overview   Usage   Users   Objects   **Usage Report**

2020   2019   Q1   Q2   Q3   Q4   Jan   Feb   Mar   Apr   May   Jun   Jul   Aug   Sep   Oct   Nov   Dec
1   2   3   4   5   6   7   8   9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24   25   26   27   28   29   30   31

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UserName	Person Name	Email Id	Department Name	Last Login	Objects (Created)	Object Views	Total Logins	Total Usage (Hrs)	Avg Usage Per Login (Hrs)
EJBITally	EJBITally			14-Feb-2020 11:42	0	16	8	19.05	2.38
ESDSSmarten1	ESDSSmarten1			28-Feb-2020 20:23	0	22	2	2.78	1.39
Jalpa				08-Apr-2020 14:59	5	40	22	52.27	2.38
Janvi	Janvi	Janvi@Smarten.Com		29-May-2020 11:06	8	124	63	115.63	1.84
Kartik Gulani	Kartik Gulani			31-Jan-2020 17:11	0	0	1	0.00	0.00
LemonSmarten1	LemonSmarten1			19-May-2020 13:26	0	44	16	7.08	0.44
Mahip	Mahip Mehta			27-Feb-2020 13:32	0	10	6	12.50	2.08
Mitalee	Mitalee			30-May-2020 14:45	17	521	76	127.97	1.68
NHAI1				07-Feb-2020 19:36	0	1	1	0.00	0.00
NHAI2				07-Feb-2020 19:37	0	1	1	0.00	0.00
NHAI3				07-Feb-2020 19:37	0	1	1	0.00	0.00
NHAI4				07-Feb-2020 19:38	0	1	1	0.00	0.00
NHAI5				07-Feb-2020 19:38	0	1	1	0.00	0.00
Nisarg	Nisarg	Nisarg@Elegantmicroweb.Com		16-Apr-2020 14:57	0	15	15	15.05	1.00
Osman	Mohamed Osman			18-May-2020 13:18	2	34	9	16.28	1.81
Pandiarajan	Pandiarajan			16-Mar-2020 13:06	0	0	1	0.35	0.35
Pradip_Demo	User	Pradip@Smarten.Com		01-Jun-2020 19:03	52	976	222	179.62	0.81

AUDIT LOGS ANALYTICS—USAGE REPORT

5   Audit Logs Administration

Smarten provides predefined datasets for audit log analytics. This dataset is created from Audit Log files generated in the logs folder. The administrator can configure rebuild scheduler for this dataset.

The predefined Audit Log Analysis is already provided, but administrators can create custom reports from this dataset as per their need.

The administrator can also manage archive settings from the administration interface.

> Note:
> Please refer to **Administrator Manual >Working with logs section** for more details.

6   Product and Support Information

Find more information about Smarten and its features at www.smarten.com
Support: support@smarten.com
Sales: sales@smarten.com
Feedback & Suggestions: support@smarten.com
Support & Knowledgebase Portal: support.smarten.com