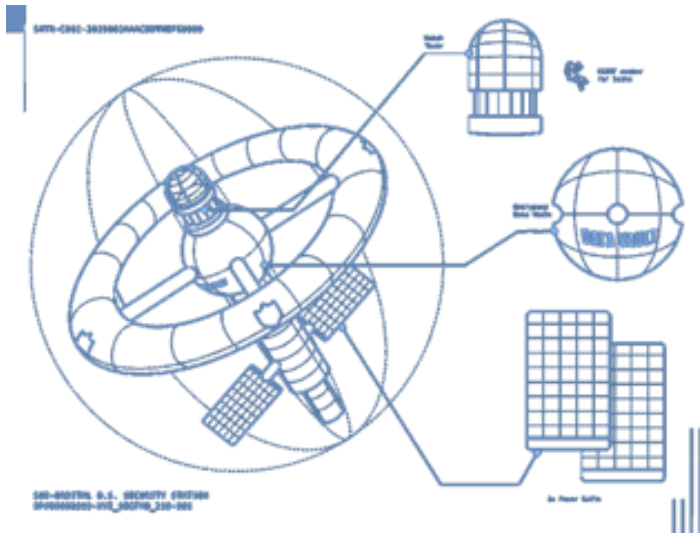




# GROVEPATH Orbit Suite *Data Manager*



Options

- In-Line Editing
- Column Filter
- Page Size (20)
- Search
- Export
- Upload
- Chart
- Print
- Columns

Birth Date: 12/9/1948

Photo: [Image]

Reports To: Callahan, Laura

1/19/1952

Feb 1952

Mon Tue Wed Thu Fri Sat Sun

Fuller, Andrew

Fuller, Andrew

## My Customers

4  
Lead



17  
Customer



## Last Submitted

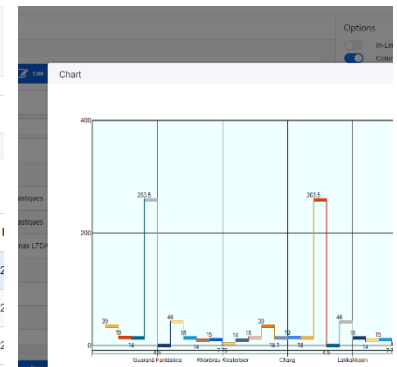
Id	Customer ID	Company Name	Contact Name	Contact Title
1245	ALFKix	Alfreds Futterkistex	María Ander	Sales Representative
1246	ANATRx	Ana Trujillo Emparedados y helados	Ana Trujillos	Owner
1248	AROUT	Around the Hornx	Thomas Hardy	Sales Representative
1250	BLAUS	Blauer See Delikatessen	Hanna Moos	Sales Representative

## Documents

Grid

Search for data in the Grid

Id	Name	Description	Document
<input checked="" type="checkbox"/>	1	Document 1	This is document 1 of 3
<input type="checkbox"/>	2	Document 2	This is document 2 of 3
<input type="checkbox"/>	3	Document 3	This is document 3 of 3



# About Us

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Enterprise Management Consulting, Technology Services & Solutions consulting firm with extensive experience advising our clients and implementing leading Enterprise Software for multinational organizations across multiple industries.

Our team is made up of Sr. Principal Consultants – Architect/Developers with average of 20+ years of overall experience and 8+ years of OutSystems Experience providing OutSystems Expert Services.

We've developed 75+ OutSystems Enterprise Applications across multiple industries and global users.

# Orbit Suite Data Manager

Dynamic, secured & audited access to all your apps & system entity data without any code or configuration, to assist with application development and support.



*Boosting OutSystems Development & Support  
Productivity with Orbit Suite Data Manager (OSDM),  
a free OutSystems Forge Application*

<https://www.outsystems.com/forge/component-overview/13176/orbit-suite-data-manager>

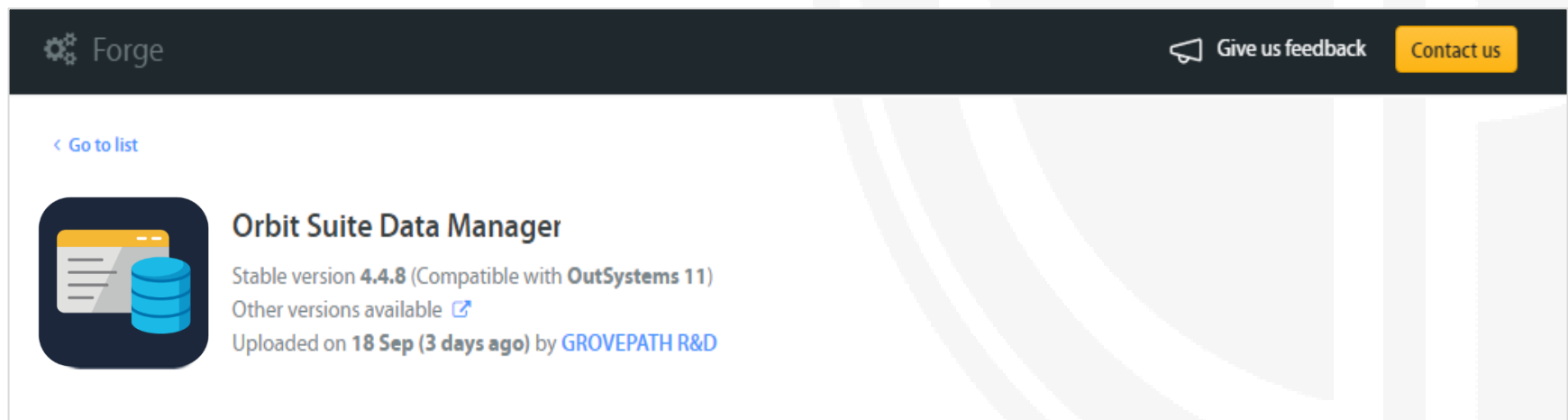


## What is it **OSDM**?

---

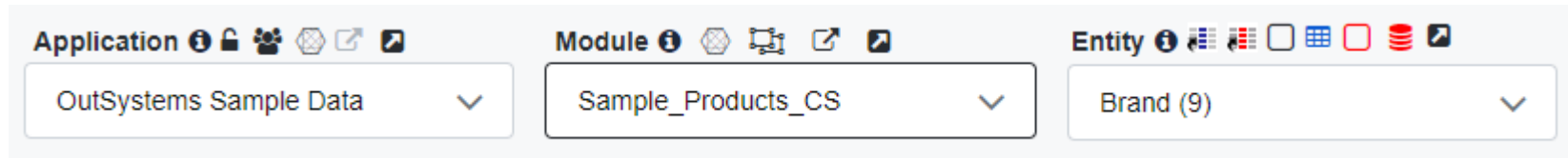
Orbit Suite Data Manager (**OSDM**) – **free** OutSystems Forge Application **Dynamic, secured** and **audited** access to all your **application's and system entity data** to assist with development and support.












The first tool of its kind to allow you to access all of your data inside the platform instantly. The Orbit Suite Data Manager works at all tiers, and can access the data behind each of your applications, while auditing every update. This tool is a "must have" for anyone using the OutSystems Cloud.



The screenshot shows the OutSystems Forge interface. At the top, there is a dark navigation bar with the 'Forge' logo on the left, a 'Give us feedback' link with a megaphone icon, and a yellow 'Contact us' button. Below the navigation bar, there is a section for the 'Orbit Suite Data Manager' application. It features a dark blue icon with a document and a database cylinder. The text next to the icon reads: 'Orbit Suite Data Manager', 'Stable version 4.4.8 (Compatible with OutSystems 11)', 'Other versions available' with a link icon, and 'Uploaded on 18 Sep (3 days ago) by GROVEPATH R&D'.

# What is it OSDM – Features?



-  Application, Module and Entity metadata (image, description, etc.)
  -  Application Configuration (enable/disable from Data Center)
  -  List of application team members, link to Lifetime team
  -  Link to Application or Module Service Center configurations
  -  Module entity relationship diagram
  -  Link to home module (open in browser)
  -  Service Studio deep link to Application, Module, Extension or Entity
  -  Clear all entity related data by order of presentence
  -  Clear all module related entities data by order of presentence
-  Entity metadata (fields, field definition, etc.)
-  Entity relationship order of precedence



# What is it OSDM – Features?

Development ⓘ

Show Full Audit ⓘ

Reset Sample Data ⓘ

Purpose (Environment Server Mode) - (Non-Production or Production)  
RowCount=826,923  
TotalSpaceMB=1,843

Action ⓘ ⓘ Clear

System ⓘ Readonly ⓘ Secured ⓘ

13 Apps 22 Mods 13 Entities 7 Attrs

Search for data in the Grid 🔍

Clear

Add

View

Edit

Delete

Views

All Data View ▾

Advanced Options

In-Line Editing  Column Filter

Page Size (25)

25 100

Search Columns

Export Sorting

Chart Configuration

Print

Views

Save View

Public   Save

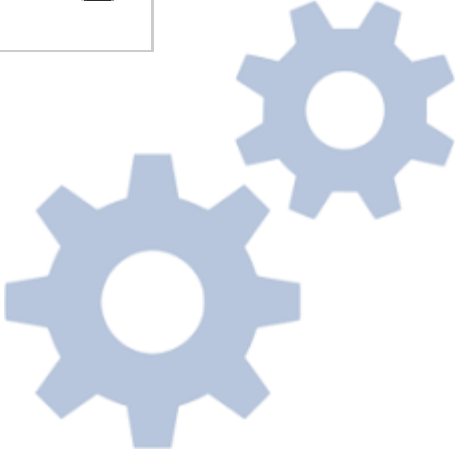
Select View

All Data View ▾

Delete Select

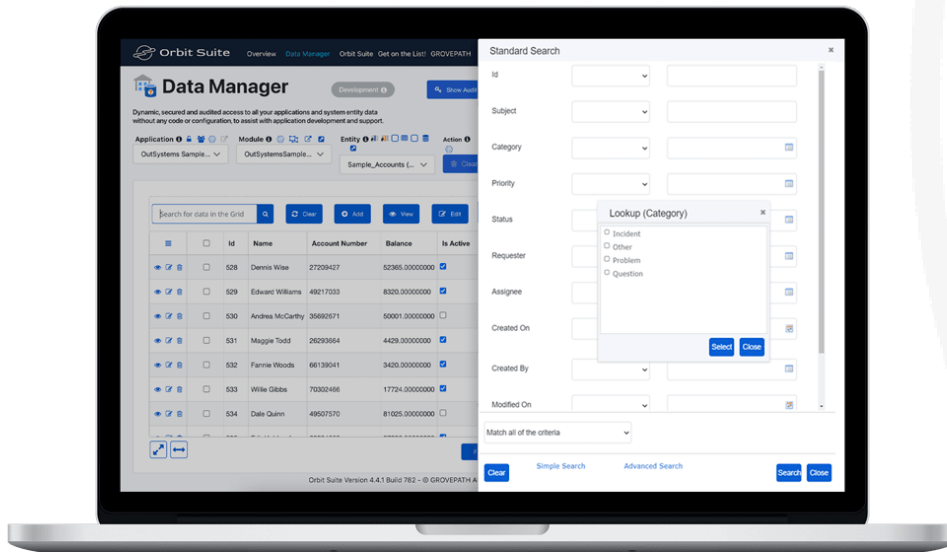
Close

View Edit Delete



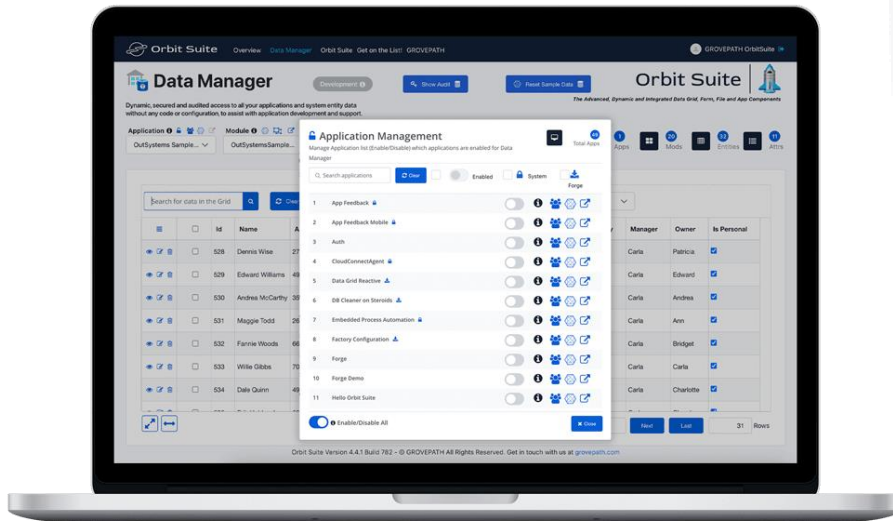
# OSDM - Dynamic

Data Model aware runtime controls. Runtime dynamically created grids, forms, and entity diagrams. Adapts to any data entity, fields or queries. Advanced Search Filtering on each column.



# OSDM - Secured

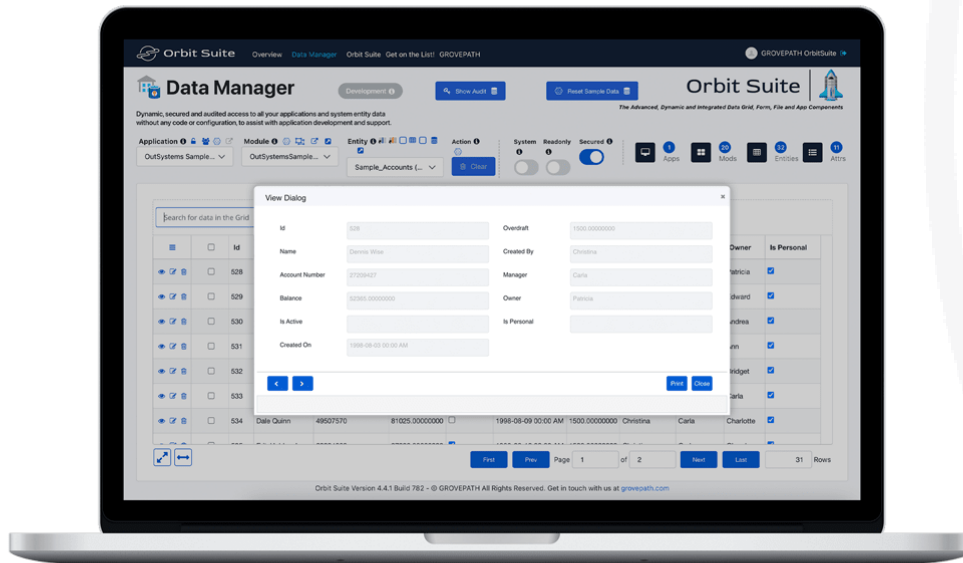
Manage application list by enabling or disabling which applications are enabled for Data Manager per environment. The applications are secured based on Lifetime's team application permissions. The configurability of applications and other advanced features are only allowed by Platform Administrators.





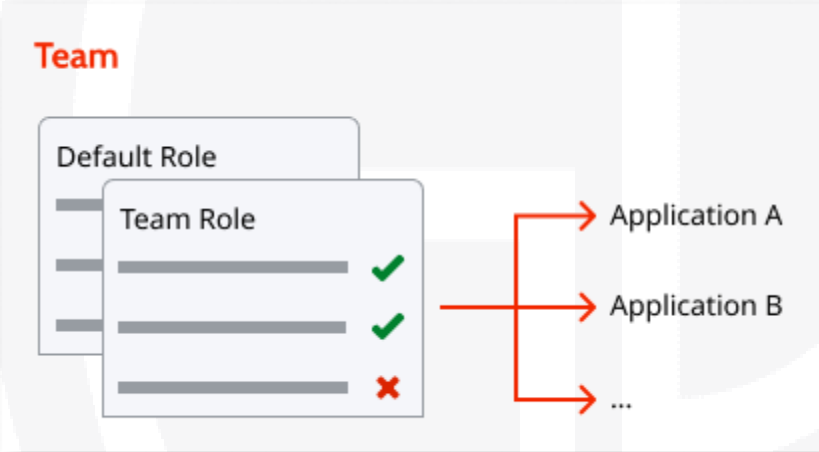
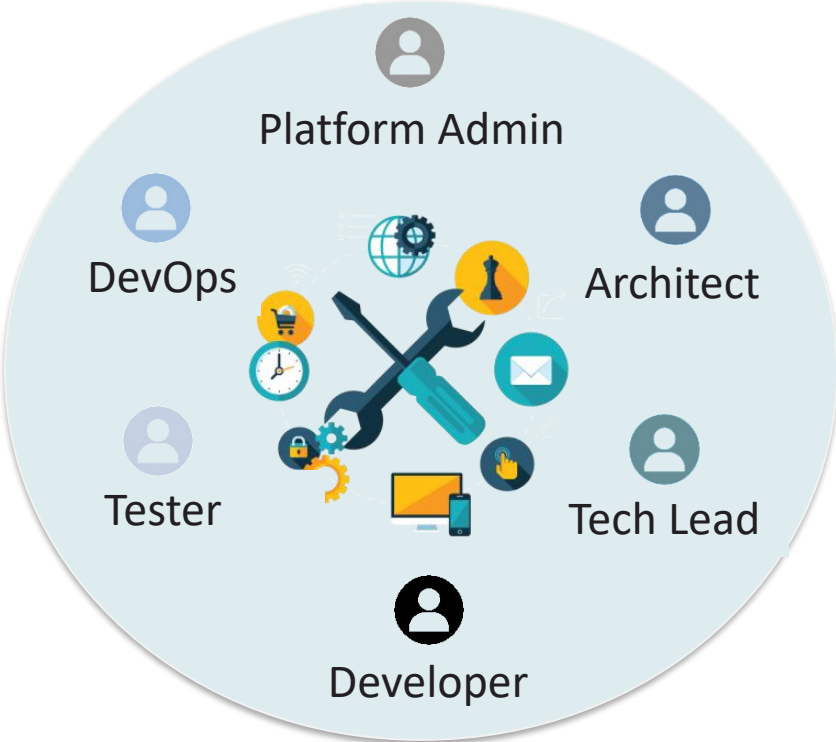
# OSDM - Audit

Audited access to all your application's and system entity data.  
The audit trail is only accessible by Platform Administrators.



# OSDM - Users

Productivity gained by OutSystems IT Users by using Orbit Suite Data Manager (**OSDM**)





## Platform Administrator

I have full control over all environments and applications. I allow deploying applications to all environments of the infrastructure and manage IT users, security, and environments.

Responsibilities

- I want to configure which applications can be enabled for dynamic access to all their metadata and data and in which environment.
- I want to configure access for Architects, Tech Leads, Developers, Testers & DevOps to dynamically have access to all of their application's metadata and data.
- I want to review and report on the audit trail as part of platform's data management governance process.

User needs





## Architect

I develop enterprise-wide standards for architecture, communicate them to project teams, and enforces their use.

- I want to eliminate the technical debt and architectural contention that can be created when each team does things their own way.
- I want to review and understand the finer details of data model and data of applications within the application portfolio for best practices and consistency.



Responsibilities

User needs



## Tech Lead

I drive the implementation of innovative solutions that solve complex technical and business issues. I use an agile approach to establish the connection between technical and business teams.

Responsibilities

- I want to review and understand the finer details of data model and data of applications within the application portfolio for best practices and consistency.
- I want train a new developer of the team on the application's data model and data.

User needs





## Developer

I work under the supervision of an experienced tech lead to design, build, and test collaborative applications that provide business solutions.



### Responsibilities

- I want to review and understand the data model and data of applications.
- I want to troubleshoot data model and data issues with my application during my development process.
- I want to edit back office entity level configurations for my application.
- I want to create saved searches against some of my entity data to spot check data updates as part of my unit testing.
- I want to delete and re-bootstrap new data for my application.
- I want to auto delete all of my application data from a specific environment for testing a specific release.
- I want to print out my entity diagrams for my application modules to include as part of my documentation.

### User needs



## Tester

I define test strategies, write test cases, and use automated and manual methods to test applications.

Responsibilities

- I want to create save searches against some of my entity data to spot check data updates as part of my testing.
- I want to modify some back-end data as part of my testing.
- I want to auto delete some or all of my application test data from a specific environment for testing a specific release.

User needs





## DevOps

I support DevOps practices, product teams with defining the correct governance model and perform deployments throughout application lifecycle. I am responsible for monitoring infrastructure as well as applications deployed in production.

Responsibilities

- I want to delete and re-bootstrap new data for applications during deployments to certain environments.
- I want to perform a back-end data configuration or data correction change in production.
- I want to troubleshoot data issues with application's in production.

User needs





## OSDM - Benefits

---



Promotes data management best practices as part of development and support.



Improves developers autonomy.



Reduces complexity and maintenance costs.



Improves application data management quality.



Easier single interface for development & support teams.



Increase developers and supporters velocity.



# Orbit Suite

The Advanced, Dynamic and Integrated  
Data Grid, Form, File and App Components



GROVEPATH  
TECHNOLOGIES, INC.



Orbit Suite Version 4.4.6 Build 1970 - © GROVEPATH All Rights Reserved. Get in touch with us at [grovepath.com](https://www.grovepath.com)



Orbit Suite (OS) – **\*free** OutSystems Forge Application  
The Advanced, Dynamic & Integrated **Data Grid, Form, File** and **App** Components.

<https://www.outsystems.com/forge/component-overview/13175/orbit-suite>

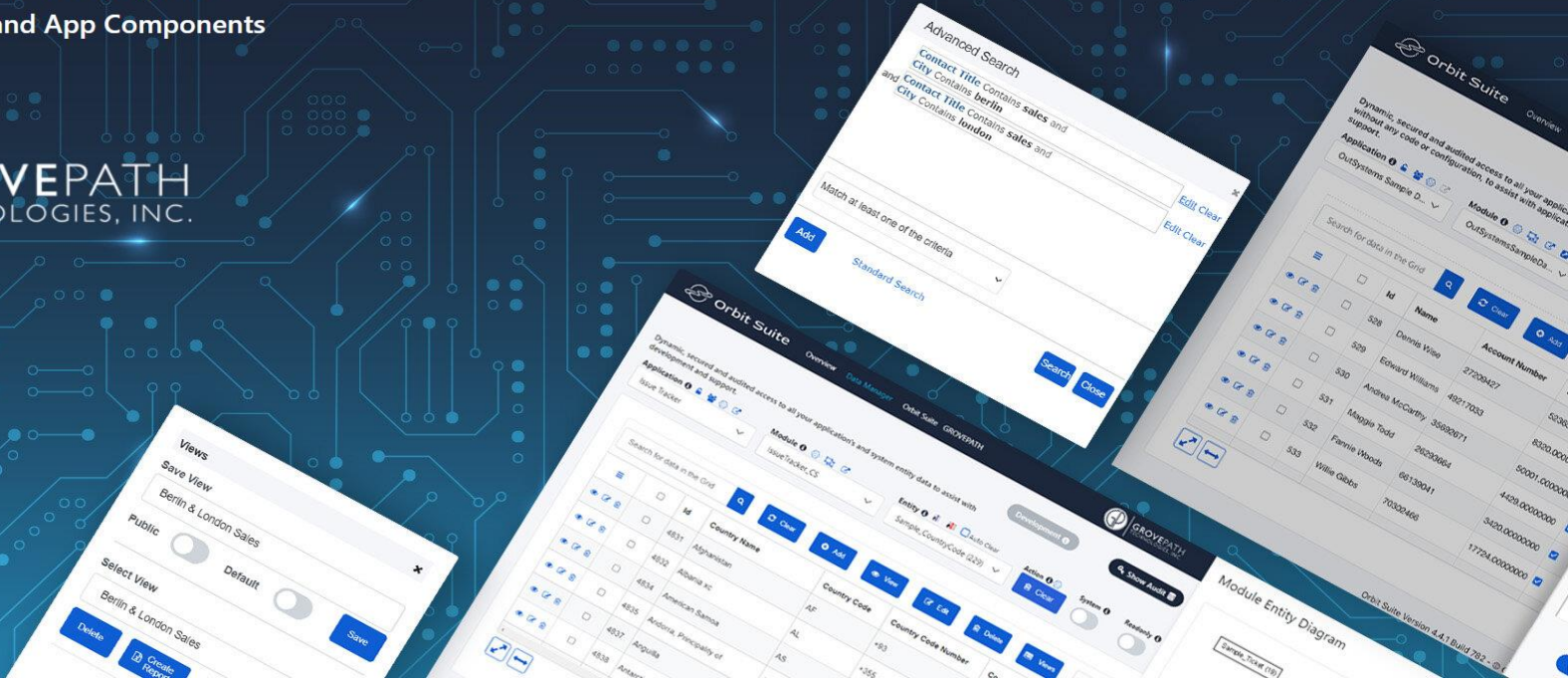

*\*Restricted use to apps developed by GROVEPATH.*

# Orbit Suite

The Advanced, Dynamic and Integrated  
Data Grid, Form, File and App Components



GROVEPATH  
TECHNOLOGIES, INC.

**Orbit Suite**  
DATA GRID



**Orbit Suite**  
FORM



**Orbit Suite**  
FILE MANAGER



**Orbit Suite**  
APP MANAGER

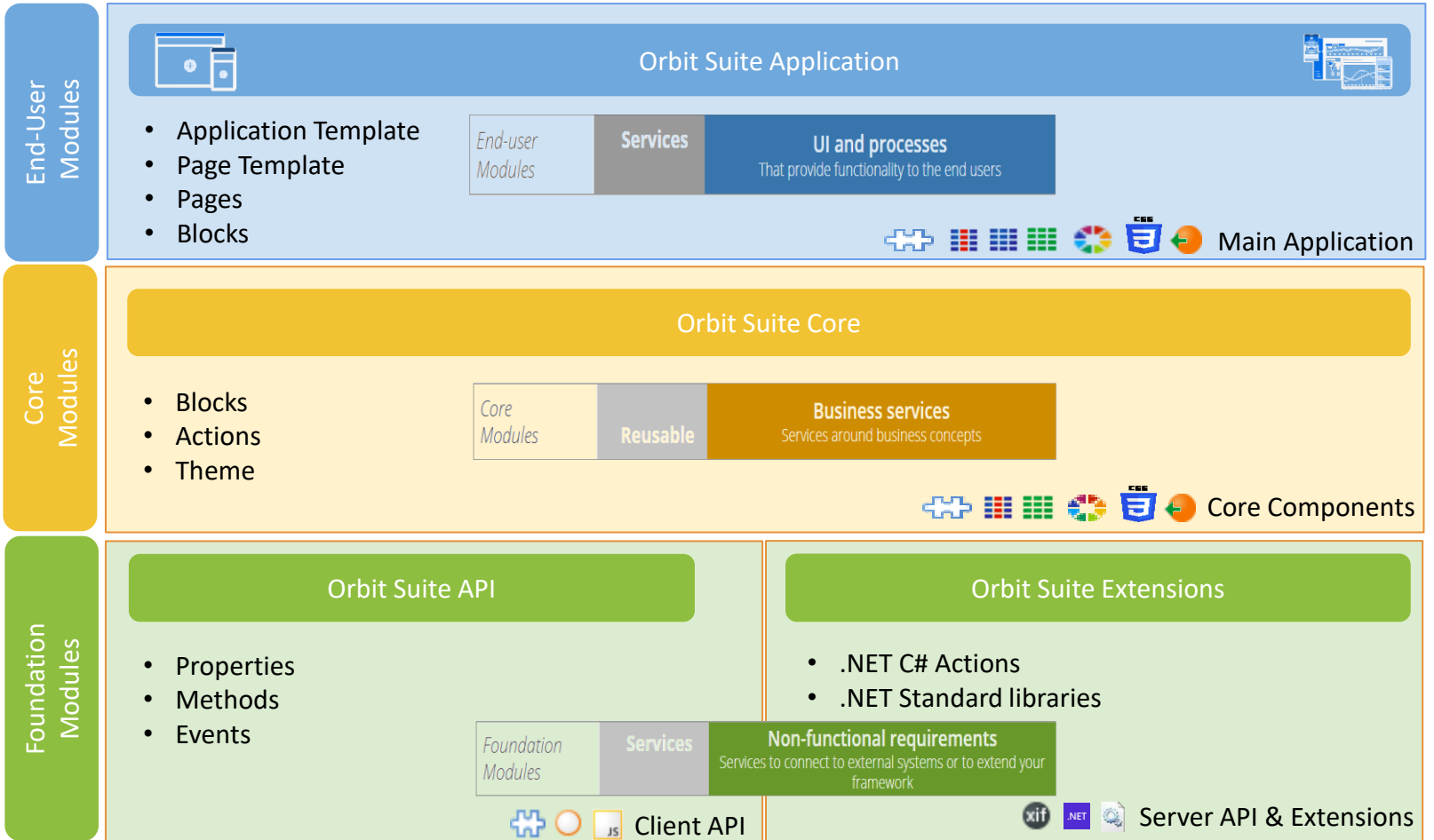
## Data Grid, Form, File and App Components.

# Application Architecture



## The Architecture canvas

Layers



# Application Architecture



DISCOVERY v5.1.4 Discovery GROVEPATH OrbitSuite

Big Picture **Modules** Applications Configurations Snapshots Search element Help

Modules of   show external dependencies Auto classify Modules report Findings report

Advanced, Dynamic & Integrated Data Grid, Forms, File and App Components. Version 4.4.10 Build 0822

Search by module, including findings to it Consumers = Nr. Search  
 -- all layers -- -- all sub layers -- Producers = Nr. Reset  
 selected only  findings only  hide extensions

Sort by relevance (Modules with more connections have more impact) 19 modules selected

**Style Guide**

- Orbit Suite/  
GrovePath\_OrbitSuite\_A... (oml) 0 6 0 0 0 3 → 2
- Orbit Suite/  
GrovePath\_OrbitSuite\_D... (oml) 0 1 0 0 0 1 →

**Library**

- Orbit Suite/  
GrovePath\_OrbitSuite... (xif) 0 0 1 0 0 1 →
- Orbit Suite/  
GrovePath\_OrbitSuite... (xif) 0 0 2 0 0 3 →
- Orbit Suite/  
GrovePath\_OrbitSuite... (xif) 0 0 1 0 0 2 →
- Orbit Suite/  
GrovePath\_OrbitSuite\_A... (xif) 0 0 5 0 0 2 →
- Orbit Suite/  
GrovePath\_OrbitSuite\_API (xif) 0 0 5 0 0 3 →
- Orbit Suite/  
GrovePath\_OrbitSuite\_A... (oml) 0 10 0 0 0 9 → 2
- Orbit Suite/  
GrovePath\_OrbitSuite\_B... (xif) 0 0 1 0 0 1 →
- Orbit Suite/  
GrovePath\_OrbitSuite\_C... (oml) 0 0 3 0 0 1 → 2
- Orbit Suite/  
GrovePath\_OrbitSuite\_E... (xif) 0 0 0 0 0 2 →
- Orbit Suite/  
GrovePath\_OrbitSuite\_F... (xif) 0 0 4 0 0 2 →
- Orbit Suite/  
GrovePath\_OrbitSuite\_J... (xif) 0 0 1 0 0 3 →
- Orbit Suite/  
GrovePath\_OrbitSuite\_J... (xif) 0 0 1 0 0 3 →
- Orbit Suite/  
GrovePath\_OrbitSuite\_Lib (oml) 0 4 17 0 0 12 → 8
- Orbit Suite/  
GrovePath\_OrbitSuite\_M... (oml) 0 0 2 0 0 1 → 2
- Orbit Suite/  
GrovePath\_OrbitSuite\_M... (xif) 0 0 3 0 0 1 →
- Orbit Suite/  
GrovePath\_OrbitSuite\_S... (xif) 0 0 1 0 0 2 →
- Orbit Suite/  
GrovePath\_OrbitSuite\_S... (xif) 0 0 3 0 0 4 →

# Application Architecture



DISCOVERY v5.1.4 Discovery GROVEPATH OrbitSuite Help

Big Picture **Modules** Applications Configurations Snapshots

Modules of   show external dependencies Auto classify Modules report Findings report

Dynamic, secured & audited grid and forms access to all your apps & system entity data without any code or configuration, to assist with application development and support. Version 4.4.12 Build 1170

Consumers = Nr.   
-- all layers -- -- all sub layers -- Producers = Nr.   
 selected only  findings only  hide extensions

Sort by relevance (Modules with more connections have more impact) 11 modules selected

**Enduser**

- Orbit Suite Data Manager/ GrovePath\_OrbitSuite\_D... (oml)   
0 1 0 0 4  
2 → 9

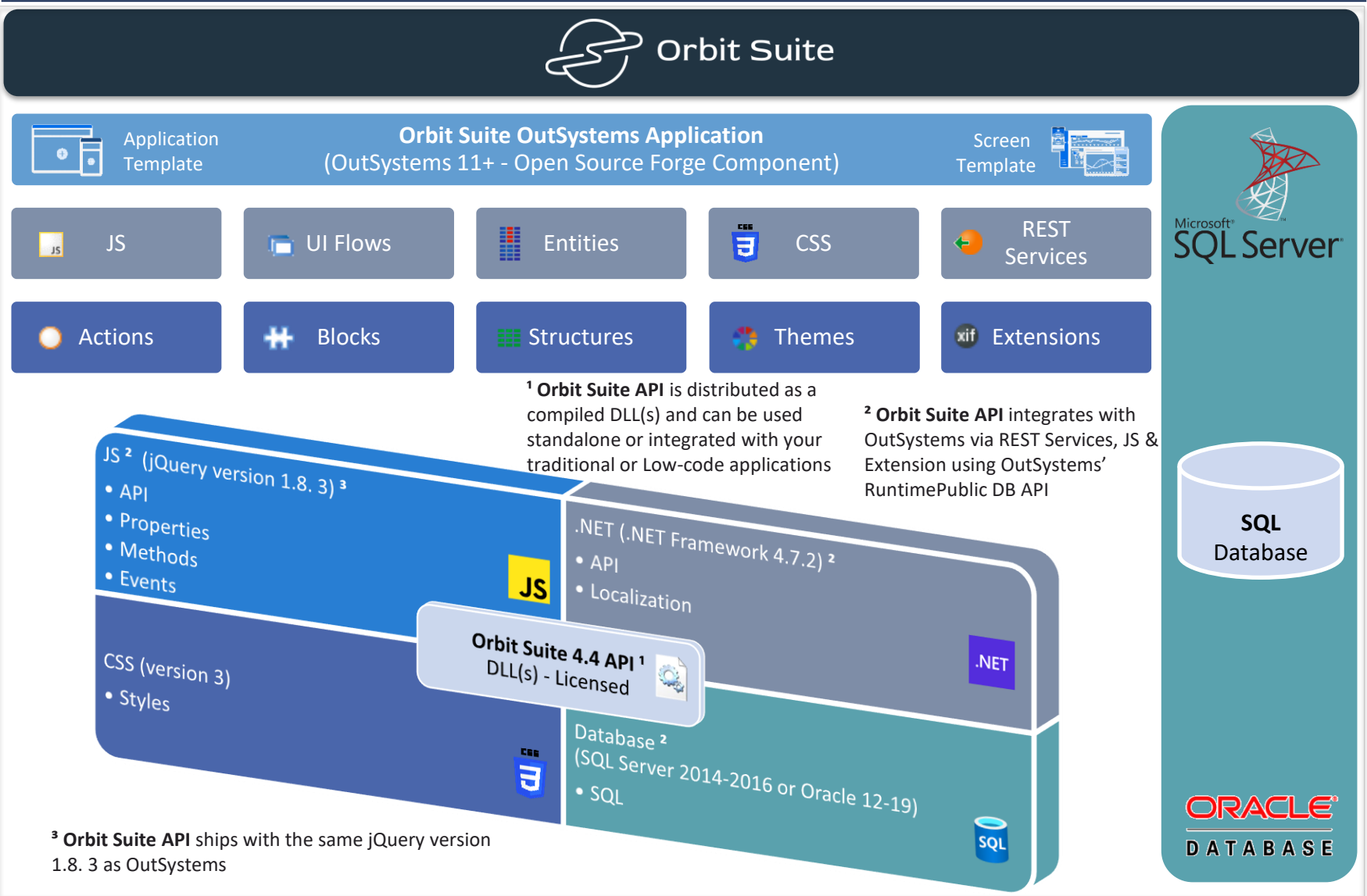
**Core Service**

- Orbit Suite Data Manager/ GrovePath\_OrbitSuite\_G... (oml)   
0 0 2 0 0  
1 → 1

**Library**

Orbit Suite/ GrovePath_OrbiteSuite... (xif) <input checked="" type="checkbox"/> 0 0 1 0 0 2 →	Orbit Suite/ GrovePath_OrbitSuite_A... (xif) <input checked="" type="checkbox"/> 0 0 5 0 0 2 →	Orbit Suite/ GrovePath_OrbitSuite_A... (oml) <input checked="" type="checkbox"/> 0 10 0 0 0 9 → 2	Orbit Suite/ GrovePath_OrbitSuite_C... (oml) <input checked="" type="checkbox"/> 0 0 3 0 1 1 → 2	Orbit Suite/ GrovePath_OrbitSuite_E... (xif) <input checked="" type="checkbox"/> 0 0 0 0 2 2 →	Orbit Suite Data Manager/ GrovePath_OrbitSuite_G... (xif) <input checked="" type="checkbox"/> 0 0 7 0 0 1 →	Orbit Suite/ GrovePath_OrbitSuite_J... (xif) <input checked="" type="checkbox"/> 0 0 1 0 0 3 →
		Orbit Suite/ GrovePath_OrbitSuite_Lib (oml) <input checked="" type="checkbox"/> 0 4 17 0 21 12 → 8	Orbit Suite/ GrovePath_OrbitSuite_S... (xif) <input checked="" type="checkbox"/> 0 0 3 0 0 4 →			

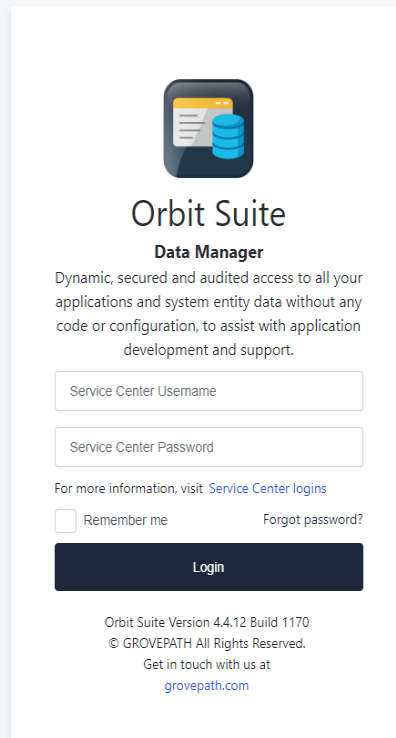
# Application Architecture




Microsoft SQL Server

SQL Database

# Application Demo



The image shows a login form for Orbit Suite Data Manager. At the top is an icon of a tablet with a database cylinder. Below the icon is the title "Orbit Suite" and the subtitle "Data Manager". A descriptive paragraph follows, explaining the tool's purpose. The form contains two input fields for "Service Center Username" and "Service Center Password". Below these are links for "Service Center logins", a "Remember me" checkbox, and a "Forgot password?" link. A dark "Login" button is positioned below the form. At the bottom, version information and copyright details are provided, along with the website URL "grovepath.com".



## Orbit Suite

### Data Manager

Dynamic, secured and audited access to all your applications and system entity data without any code or configuration, to assist with application development and support.

Service Center Username

Service Center Password

For more information, visit [Service Center logins](#)

Remember me [Forgot password?](#)

Login

Orbit Suite Version 4.4.12 Build 1170  
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Get in touch with us at [grovepath.com](https://grovepath.com)

<https://grovepath.com/OrbitSuiteDataManagerInDepthPrimaryOverview.mp4>



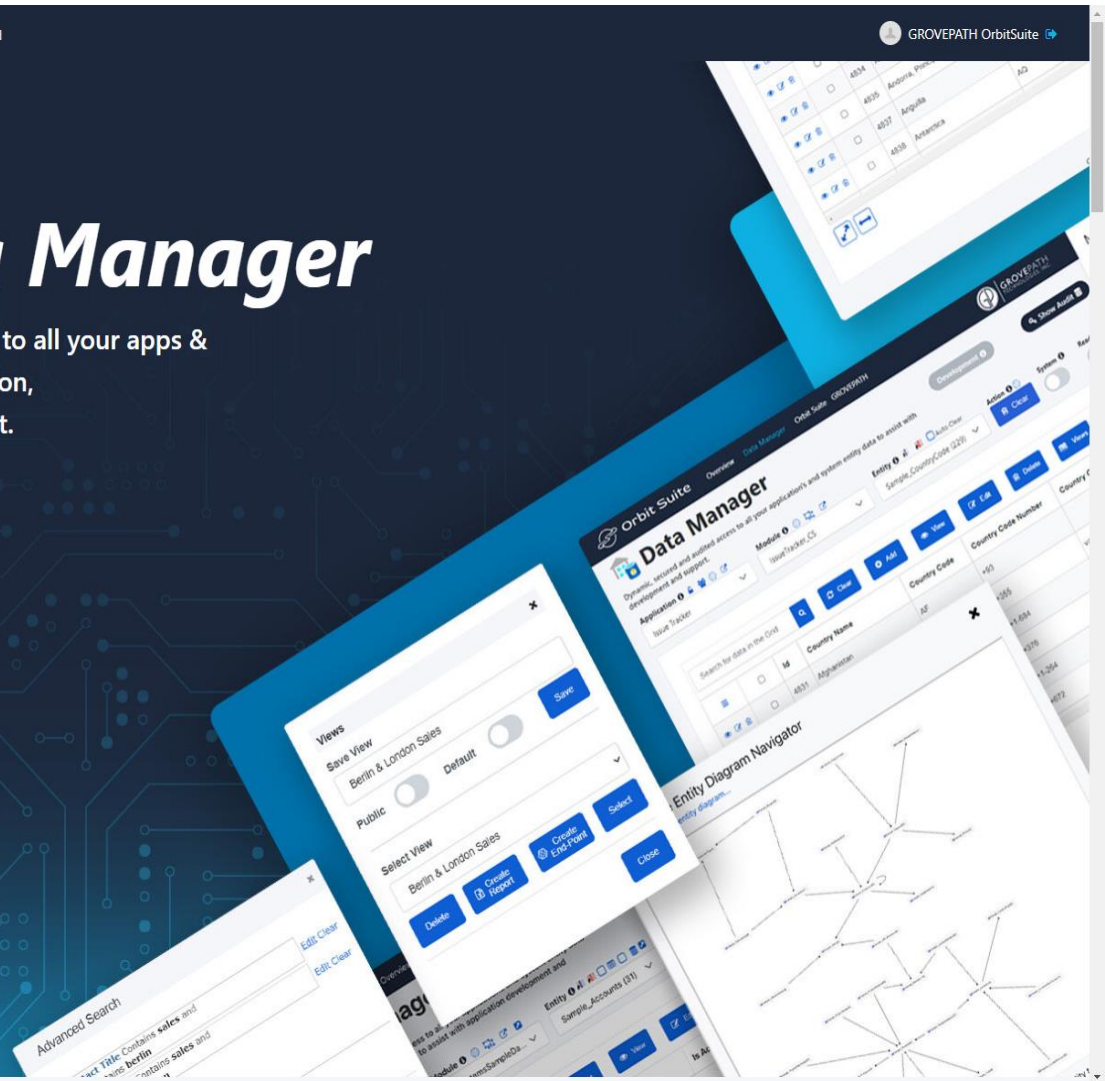
# Application Branding

Orbit Suite Overview Data Manager Orbit Suite Get on the List! GROVEPATH


GROVEPATH OrbitSuite


## Orbit Suite *Data Manager*

Dynamic, secured & audited grid and forms access to all your apps & system entity data without any code or configuration, to assist with application development and support.



# Application Branding


Overview
Data Manager
Orbit Suite
Get on the List!
GROVEPATH


GROVEPATH OrbitSuite

## Data Manager

Dynamic, secured and audited access to all your applications and system entity data without any code or configuration, to assist with application development and support.

Application

OutSystems Sample Data

Module

OutSystemsSampleDataDB

Entity

Sample\_Accounts (31)

Action

Clear

System

Readonly

Secured

Apps

12

Mods

22

Entities

32

Attrs

11

Sample\_Accounts
Audit History
Sample\_Employee
Sample\_Employee
Sample\_Employee
Sample\_Budget
Sample\_Transaction
Sample\_Transaction

Search for data in the Grid

🔍

Clear

Add

View

Edit

Delete

Views

	Id	Name	Account Number	Balance	Is Active	Created On	Overdraft	Created By	Manager	Owner	Is Personal
<input checked="" type="checkbox"/>	2574	Dennis Wise	27209427	\$52,365.00	<input checked="" type="checkbox"/>	1998-08-03 00:00 AM	\$1,500.00	Christina	Carla	Patricia	<input checked="" type="checkbox"/>
<input type="checkbox"/>	2575	Edward Williams	49217033	\$8,320.00	<input checked="" type="checkbox"/>	1998-08-04 00:00 AM	\$1,500.00	Christina	Carla	Edward	<input checked="" type="checkbox"/>
<input type="checkbox"/>	2576	Andrea McCarthy	35692671	\$50,001.00	<input type="checkbox"/>	1998-08-05 00:00 AM	\$1,500.00	Christina	Carla	Andrea	<input checked="" type="checkbox"/>
<input type="checkbox"/>	2577	Maggie Todd	26293664	\$4,429.00	<input checked="" type="checkbox"/>	1998-08-06 00:00 AM	\$1,500.00	Christina	Carla	Ann	<input checked="" type="checkbox"/>
<input type="checkbox"/>	2578	Fannie Woods	66139041	\$3,420.00	<input checked="" type="checkbox"/>	1998-08-07 00:00 AM	\$1,500.00	Christina	Carla	Bridget	<input checked="" type="checkbox"/>
<input type="checkbox"/>	2579	Willie Gibbs	70302466	\$17,724.00	<input checked="" type="checkbox"/>	1998-08-08 00:00 AM	\$1,500.00	Christina	Carla	Carla	<input checked="" type="checkbox"/>
<input type="checkbox"/>	2580	Dale Quinn	49507570	\$81,025.00	<input type="checkbox"/>	1998-08-09 00:00 AM	\$1,500.00	Christina	Carla	Charlotte	<input checked="" type="checkbox"/>
<input type="checkbox"/>	2581	Erik Hubbard	69224662	\$37,226.00	<input checked="" type="checkbox"/>	1998-08-10 00:00 AM	\$1,500.00	Christina	Carla	Cheryl	<input checked="" type="checkbox"/>
<input type="checkbox"/>	2582	Ivan Gill	63266225	\$55,012.00	<input type="checkbox"/>	1998-08-11 00:00 AM	\$1,500.00	Christina	Carla	Patricia	<input checked="" type="checkbox"/>

Navigation

↶

↷

Page 1 of 2

First

Prev


Next

Last

31 Rows

⚠ WARNING: Provided AS-IS with no warranty

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Company Confidential © 2023

# Application Custom Branding

Application template to allow for custom branding available upon request.

App Data Manager Overview DataManager GROVEPATH OrbitSuite

## Overview

### App Data Manager

Dynamic, secured and audited access to all your applications and system entity data without any code or configuration, to assist with application development and support.

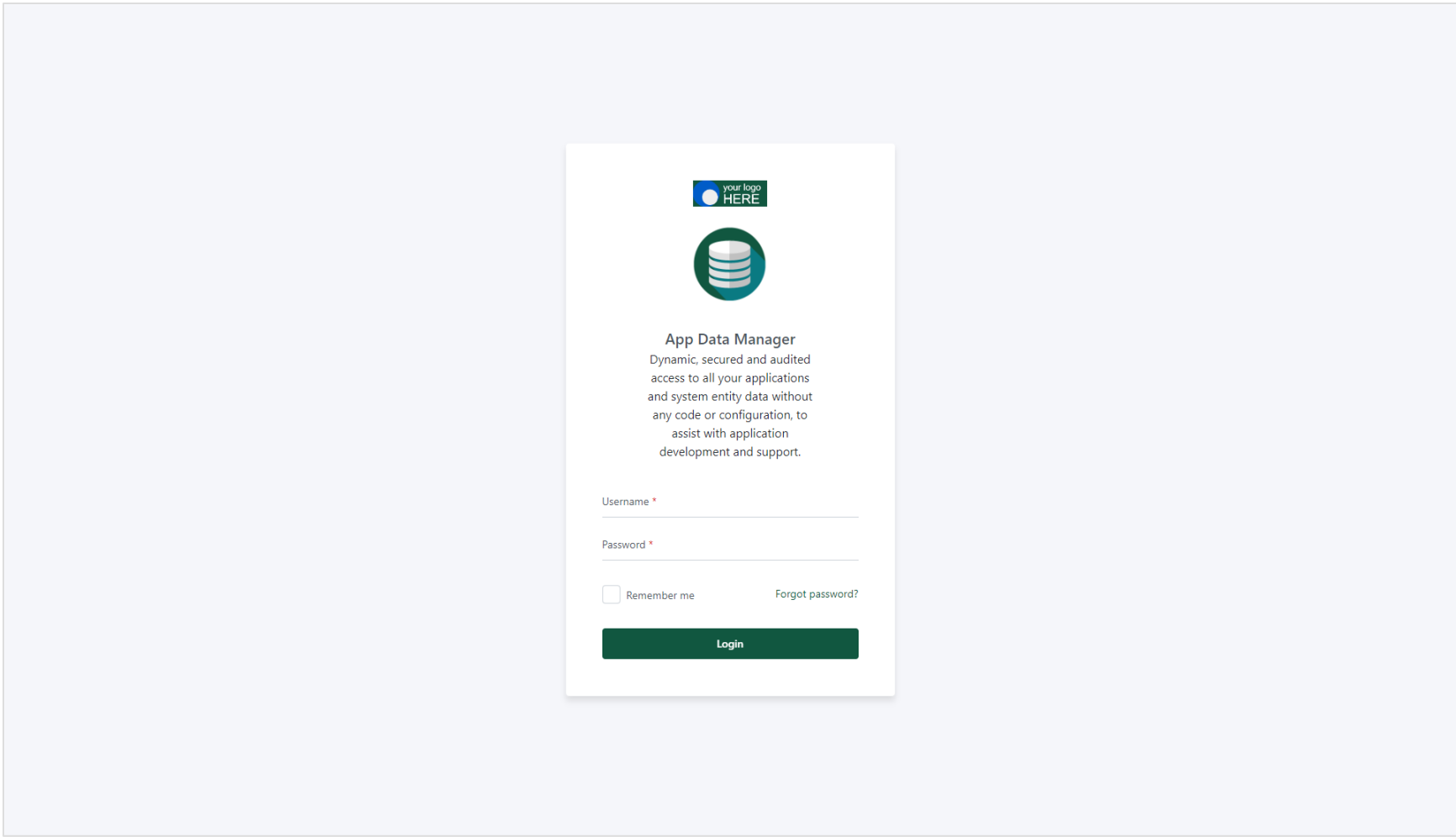
Customize Data Manager by passing the following input parameters

- AppCss
- AppIconUrl
- AppTitle
- OverviewUrl
- LogoUrl
- DataMgrLogoUrl
- DataMgrUri
- DataMgrDesc
- FeatureLogoUrl
- FeatureDesc
- Footer

```
{}
  "url": "DataManager/InitDataManager-AppCss Value"
  "css": {
    "font-family": "brand 1",
    "color-primary": "#000000",
    "color-secondary": "#000000",
    "color-secondary-header": "#000000",
    "color-link": "#000000",
    "color-background-body": "#FFFFFF",
  },
  "header": {
    "background-color": "#FFFFFF",
  },
  "header": {
    "font-weight": "bold",
    "color-link": "#000000",
    "font-weight": "bold",
  },
  "table-bordered": {
    "background-color": "#FFFFFF",
    "color-link": "#000000",
  }
}
```

# Application Custom Branding

Application template to allow for custom branding available upon request.



# Application Custom Branding

Application template to allow for custom branding available upon request.

The screenshot displays the 'App Data Manager' interface. At the top, there is a navigation bar with 'Your App logo here', 'Overview Data Manager', and 'your logo HERE'. The main header includes 'App Data Manager', 'Development', 'Show Full Audit', and 'Reset Sample Data'. On the right, it says 'Data Management' with a tagline 'Data management components that promote best practices.' Below the header, there are filters for 'Application' (OutSystems Sample Data), 'Module' (OutSystemsSampleDataDB), and 'Entity' (Sample\_Product (43)). A 'Clear' button is next to the entity filter. There are also status indicators for 'System', 'Readonly', and 'Secured'. On the right side, there are icons for 'Apps' (12), 'Mods' (22), 'Entities' (32), and 'Attrs' (20). The main content area shows a data grid for 'Sample\_Product' with columns: Id, Name, Description, Price, Stock, Max Stock, Stock Threshold, Category, Created On, Is Favourite, Rating, and Likes. The grid contains 9 rows of product data. At the bottom, there is a pagination control showing 'Page 1 of 2' and '43 Rows'. A warning banner at the bottom left reads 'WARNING: Provided AS-IS with no warranty'. The footer contains the copyright notice '© 2022. [Your Company Name], Inc. or its affiliates. All rights reserved.'

	<input type="checkbox"/>	Id	Name	Description	Price	Stock	Max Stock	Stock Threshold	Category	Created On	Is Favourite	Rating	Likes
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3441	Black and silver headphones	Foldable design with high quality and performance.	\$150.99	1831.00000000	500.00000000	100.00000000	Headphones	1900-01-01 00:00 AM	<input checked="" type="checkbox"/>	4.00000000	22
<input type="checkbox"/>	<input type="checkbox"/>	3442	Black and grey headphones	Stylish corded headphones, perfect for every setting.	\$99.90	2986.00000000	250.00000000	50.00000000	Headphones	1900-01-01 00:00 AM	<input checked="" type="checkbox"/>	4.80000000	72
<input type="checkbox"/>	<input type="checkbox"/>	3443	Red and grey headphones	Stylish corded headphones, perfect for every setting.	\$45.99	3559.00000000	325.00000000	25.00000000	Headphones	1900-01-01 00:00 AM	<input type="checkbox"/>	3.50000000	18
<input type="checkbox"/>	<input type="checkbox"/>	3444	White in-ear pods	Lightweight design with high-quality audio.	\$35.99	3561.00000000	200.00000000	10.00000000	Headphones	1900-01-01 00:00 AM	<input checked="" type="checkbox"/>	5.00000000	26
<input type="checkbox"/>	<input type="checkbox"/>	3445	Black pro headphones	Superior audio quality fit for professional usage.	\$140.99	3646.00000000	458.00000000	58.00000000	Headphones	1900-01-01 00:00 AM	<input type="checkbox"/>	4.50000000	14
<input type="checkbox"/>	<input type="checkbox"/>	3446	Black and silver in-ear pods	Corded in-ear headphones, perfect for every setting.	\$89.90	3656.00000000	250.00000000	100.00000000	Headphones	1900-01-01 00:00 AM	<input type="checkbox"/>	5.00000000	93
<input type="checkbox"/>	<input type="checkbox"/>	3447	Gold headphones	Foldable design with high quality and performance.	\$55.99	3706.00000000	325.00000000	50.00000000	Headphones	1900-01-01 00:00 AM	<input type="checkbox"/>	4.60000000	94
<input type="checkbox"/>	<input type="checkbox"/>	3448	Black in-ear pods	Lightweight design with high-quality audio.	\$89.99	3737.00000000	200.00000000	25.00000000	Headphones	1900-01-01 00:00 AM	<input checked="" type="checkbox"/>	4.00000000	11
<input type="checkbox"/>	<input type="checkbox"/>	3449	Black headphones	Foldable design with high quality and performance.	\$56.99	3953.00000000	458.00000000	10.00000000	Headphones	1900-01-01 00:00 AM	<input checked="" type="checkbox"/>	5.00000000	72



**GROVEPATH**  
TECHNOLOGIES, INC.