

Case Study

Overcoming Agency Challenges with Orbitype - CMS, CRM, ERP

Orbitype Case Study

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- ERP Data & Files Relational storage.
- Legacy UI Auto-generated interfaces.
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- Microservices API-driven workflows.

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- CRM / ERP Custom workflows and data management.
- SQL Wizard No-code and advanced SQL tools.
- SQL API Direct gueries with full control.
- Scalable Storage S3 and database management.
- S3 API File storage and retrieval.
- Agency Tools Multi-client collaboration.

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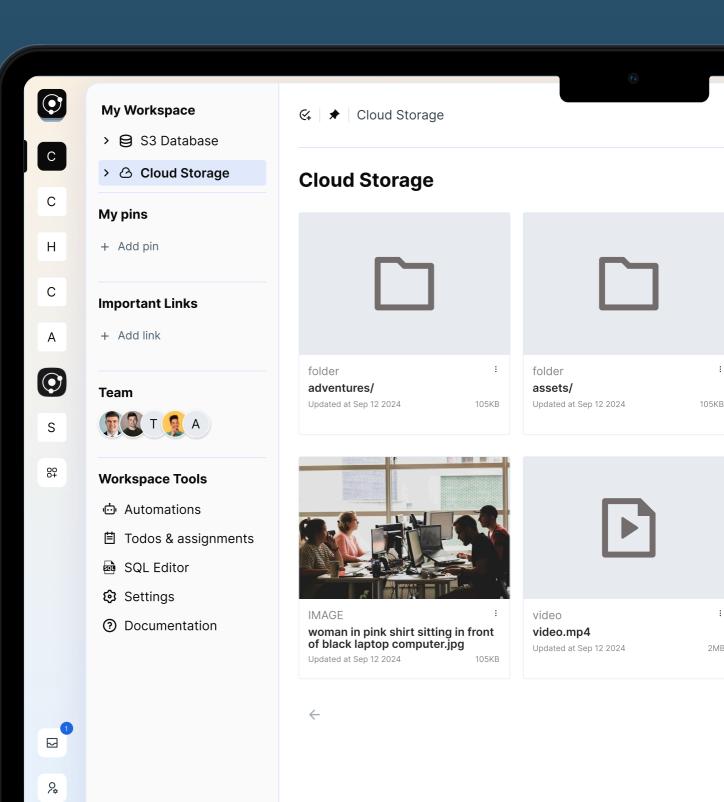
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Discover why Orbitype drives growth and efficiency.



Discover why Orbitype drives growth and efficiency.

Agencies working with headless CMS, CRM, ERP, apps, and microservices in modern web technology face constant challenges. Fragmented tools, inconsistent workflows, and inefficient project setups often become significant bottlenecks for scalability and innovation. As a result, maintaining competitive workflows while keeping up with client demands has become increasingly difficult.

Enter Orbitype—an all-in-one platform designed to revolutionize how agencies manage their projects. By unifying PostgreSQL databases, S3 storage, and dynamic admin UIs into a single, seamless platform, Orbitype simplifies workflows, enhances collaboration, and enables faster project delivery without compromising flexibility or quality. The result? A staggering 80% boost in productivity, empowering teams to deliver exceptional results faster and with less complexity.

Orbitype generates intuitive admin UIs and unified APIs automatically for all connected resources. Developers save hours on setup, while clients enjoy user-friendly interfaces for managing content, CRM, and workflows. The platform's API-first design ensures compatibility with modern frameworks like Nuxt.js, React, and Providers like AWS, GCP or Vercel, bridging the gap between technical and non-technical users for efficient collaboration. Beyond just solving problems, Orbitype enables agencies to scale their operations, reduce technical debt, and foster stronger collaboration among team members.

This case study explores how Orbitype has transformed agency workflows, highlighting real-world examples, productivity metrics, upcoming features, and the unique qualities that set it apart.

The Challenge

Understanding Agency Needs

Fragmented Toolsets

Disconnected platforms and tools create inefficiencies and disrupt communication across teams. Collaboration often suffers due to misaligned systems, resulting in delays and mismanagement.

Provisioning of Resources

Provisioning modern databases or storage requires time, expertise, and increases project setup costs. Additionally, minimum database costs can make them impractical for smaller projects.

High Maintenance Overheads

Managing multiple systems drains time and budgets, diverting resources from creative and strategic tasks. Maintenance demands also lead to increased costs, reducing profitability.

Vendor Lock-in

Using software that limits control over your data poses significant risks. Proprietary database architectures can lock you into a specific vendor or product and may force you into inefficient workarounds for data management.

Technical Debt

Outdated and redundant systems increased maintenance costs.

Client Dissatisfaction

Process inefficiencies led to miscommunication and delays, impacting client retention and trust.

Solved with Orbitype

With the Power of Orbitype

Unified Platform and Multi-tenancy

Seamlessly integrate tools, data, and processes into one central hub. Orbitype is designed for multiple workspaces and resources by default. Enjoy unlimited workspaces and resources to perfectly scope projects for all your clients while keeping everything accessible in one centralized platform.

Cost-Effective Postgres and S3 Storage

Reduce system maintenance efforts with ready-to-deploy infrastructure deployed with a click. This allows you to Always use professional tooling also for the smaller or less intensive projects.

Bring your Own Database and Storage

Orbitype seamlessly integrates with your existing resources, allowing you to connect unlimited PostgreSQL databases or S3 storage and manage them effortlessly within the platform.

Gain full control over your data architecture

Create any database schema or folder structure you need with Orbitype—whether it's for a CMS, CRM, ERP, or your company's cloud storage.

Total flexibility, tailored to your projects.

Instant APIs and Accessible Data

All connected resources, whether deployed by Orbitype or your own, are instantly equipped with APIs—saving time and streamlining every project effortlessly.

How it works

Orbitype Transforms Workflows

Unified Data Management

Orbitype acts as a central hub for managing and integrating diverse data sources. With a robust admin panel tailored for your data structures, teams can edit, organize, and share data fluently using a user-friendly interface.

Additional Benefits:

- Data Accessibility: Seamless retrieval and sharing of data across teams.
- Streamlined Permissions: Secure management of sensitive data with robust access controls.

Admin Panel for Streamlined Data Editing

Orbitype's admin panel empowers teams to manage all data structures efficiently. This interface eliminates errors caused by fragmented or manual processes and allows users to optimize content through Aldriven text editing, ensuring clarity and consistency without leaving their writing environment.

Flexibility Without Vendor Lock-In

Agencies retain full control over their technology stack, avoiding dependency on specific vendors.

Use Case Examples:

- Integration with existing CMS for multi-platform compatibility.
- Adapting workflows for complex e-commerce projects with high scalability demands.

How it works

Orbitype Transforms Workflows

Cost-Effective Resource Integration

Orbitype provides seamless access to powerful tools like PostgresDB, S3, and CDN, which are typically associated with high infrastructure costs. By including these enterprise-grade resources as part of its platform, Orbitype enables agencies to:

- Enhance Scalability and Reliability: Leverage robust tools that support high-performance workflows and project scalability.
- Reduce Infrastructure Costs: Eliminate the need for expensive thirdparty solutions, freeing up budgets for other priorities.
- Focus on Client Delivery: Shift focus from infrastructure management to creating exceptional client experiences.

Orbitype integrates seamlessly with existing PostgreSQL databases and S3 storage or deploys new ones in seconds, hosted by Orbitype. Agencies can alternatively choose their preferred provider—AWS, GCP, or self-hosted—and manage them all from one centralized hub.

Quantified results

Results for Webentertainer GmbH

Save \$6,500+ per year and project

Cut backend maintenance, reduce DevOps, and speed up delivery.

99% Faster Setup & 4x Faster Completion

Instant deployment, flexible data models, and seamless APIs.

90% Less Maintenance & 100% Backend Automation

No manual setup, auto-generated admin panels, and managed hosting.



\$20 vs. \$200+ per month

Webentertainer GmbH

Successful Optimization

Successful Optimization of Agency Workflows with Orbitype

Since integrating Orbitype into our workflows, we have achieved significant improvements in efficiency, cost savings, and future-proofing. As an agency specializing in modern web technologies, web applications, and CRM systems, we faced challenges that Orbitype has now effectively resolved.



Webentertainer's Productivity Breakthrough 🚀

Orbitype streamlines our workflow, cuts costs, and accelerates development — empowering us to build smarter, faster, and more efficiently.

A success story

Agency Workflows with Orbitype

Standardization and Acceleration of Development Processes

Streamlined Setup and DevOps Simplification

Setting up a new headless CMS project typically requires multiple manual steps: application server setup, domain/DNS configuration, S3 storage, CDN integration, PostgreSQL database setup, migrations, and data structuring.

With Orbitype, we can now complete all these steps in under five minutes automatically. This saves us several hours per project, allowing us to offer cutting-edge web technologies at cost-effective rates, previously only possible with shared hosting solutions.

Lower Infrastructure Costs and Sustainable Hosting Solutions

Cost-Effective Scaling for Small Projects

Traditional headless CMS setups require a minimum infrastructure size to be cost-efficient, often forcing small projects into overly complex or outdated technologies.

With Orbitype, we no longer have to compromise on modern technology due to cost pressures, as hosting and management costs scale flexibly. Moreover, we are not locked into proprietary hosting for servers, S3, or databases.

Agency Workflows with Orbitype

Future-Proofing and Flexible Information Architecture

No Forced CMS Lock-in or Unnecessary Migrations

Many CMS platforms impose proprietary structures that require frequent migrations to stay up to date. With Orbitype, the information architecture remains project-specific and independent.

This results in:

- Reduced maintenance efforts
- No unnecessary migrations for CMS updates
- Long-term stable data structures that prioritize business processes over technical limitations

Increased Developer Efficiency

Eliminating Backend Development Overhead

Thanks to Orbitype's SQL API, our developers can interact directly with the database, eliminating the need for additional middleware or complex backend setups.

This brings:

- Less redundant boilerplate code
- No need to maintain separate backend servers
- Developers don't need to learn a new query language SQL remains the standard
- If needed, Orbitype can be replaced with a custom backend without modifying queries or migrating structures

Agency Workflows with Orbitype

Maximum Flexibility with Custom Infrastructure Options

Bring-Your-Own-Storage and Bring-Your-Own-Database

Agencies can either use Orbitype's managed infrastructure or integrate their own PostgreSQL databases and S3 storage.

This ensures technical independence, as we rely on battle-tested industry standards like SQL and S3, preventing vendor lock-in and making our projects future-proof.

Faster Project Setup with Templates and One-Click DevOps

CMS + Database + Storage + CRM in 5 Minutes

With Orbitype's automated provisioning and SQL Wizard, we can set up:

- PostgreSQL databases
- S3 storage (public or private)
- Custom CRM solutions
- Fully automated admin dashboards in minutes

Improved Collaboration Within the Agency and With Clients

One Login for All Projects – Multi-Tenant Functionality

Our team of developers, designers, marketers, and sales experts works on multiple client projects simultaneously.

With Orbitype's multi-tenant structure, we can create dedicated workspaces for each client, assign team members efficiently, and manage roles in minutes—without time-consuming manual access management.

Key Achievements with Orbitype

Maximum Flexibility with Custom Infrastructure Options

- 99% faster setup Go from zero to production in minutes instead of hours.
- 4x faster project completion Thanks to an extremely flexible data model and easy API response adjustments.
- 90% less maintenance effort Orbitype automates CMS, database, and S3 management, eliminating backend workload.
- 100% automated admin panel configuration No manual dashboard setup—Orbitype renders all data instantly.
- 100% backend-free API calls Direct SQL API access allows frontends to read and write data without boilerplate backend code, but always allows backend customization or microservices when needed.
- Maximum flexibility Fully adaptable structure with instant adjustments, no predefined constraints.
- No vendor lock-in Full control over data ownership, without proprietary restrictions.
- Multi-tenant workspaces and team collaboration Seamlessly manage multiple projects with role-based access control.



A success story

Key Achievements with Orbitype

Final Thoughts

Orbitype has fundamentally transformed how we operate as a digital agency. By automating tedious setup processes, reducing infrastructure complexity, and enabling scalable and future-proof development, we can now focus on what truly matters—delivering high-quality digital experiences to our clients faster and more efficiently than ever before.

With seamless database and storage management, a powerful SQL API, and one-click DevOps provisioning, we no longer waste valuable time on backend maintenance, custom admin dashboards, or complex infrastructure setups. Instead, we channel our resources into innovation, user experience, and business logic—ultimately delivering more value per project.

By removing unnecessary constraints and providing full control over hosting, data, and technology stacks, Orbitype empowers us to scale effortlessly, maintain flexibility, and future-proof our projects without the risk of vendor lock-in.

For us at Webentertainer GmbH, Orbitype isn't just a tool—it's a game-changer that has redefined how we build, collaborate, and grow as an agency.

Real-world applications

Use Cases for Orbitype

Data and Document management

Manages all interactions between components.

Admin UI For Lagacy Applications

Enforces access policies and data protection.

Multi-tennant Resource managmement

Simplifies connections with external services.



Understand the Illustrations

Orbitype Illustration Legend



Auto-Adapting Dashboard

Instand Admin UIs for Your Datastructure, no matter if you are building a new or connecting an existing project.



Auto-Adapting APIs

One central API for all your connected resources. Experience the power of our Innovative SQL API and effortlessly manage files with our intuitive S3 API.



PostgreSQL Connector

You can bring your own Database or provision one with one click into your Workspace.



S3 Storage Connector

You can bring your own Cloud Storage or provision one with one click into your Workspace.



Accessible & scalable Cloud

Orbitype centralizes file storage, keeping team files organized and secure. With multiple workspaces, you can grant controlled access to clients, teams, or external partners. Ideal for shared data rooms, department-specific management, or application storage review. Efficient, flexible, and secure.



Accessible & scalable CRM & ERP

Orbitype can be used as a flexible, scalable CRM & ERP solution that adapts to your business. Manage customers, track projects, and oversee operations in multiple workspaces. With structured data management and Workspace access control, it streamlines workflows for sales, support, and internal processes—ideal for growing businesses.



ERP: Relational Data & Files

Orbitype unifies relational data and file management in a seamless ERP solution. Store, organize, and link data across workspaces while integrating file storage for a complete operational view. Ideal for managing customer records, finances, and projects, it streamlines workflows and scales effortlessly.



Instant UI for Legacy Projects

Orbitype modernizes legacy applications by instantly generating a UI for existing databases—no redevelopment needed. It connects to relational data or file storage, creating an intuitive interface for seamless navigation, editing, and collaboration. Enhance workflows, boost accessibility, and extend system lifespan without costly migrations.



Headless CMS

Orbitype is a Headless CMS that adapts to your data, not the other way around. It connects to existing databases and file storage, autogenerating a structured API and intuitive admin UI. Developers build custom frontends, while content managers handle structured data, media, and workflows. Scalable and API-first, it integrates with modern frameworks for dynamic websites, apps, and digital platforms.



Microservice Managements

Orbitype simplifies microservice management by unifying databases and file storage in one platform. It connects to multiple data sources, auto-generating a structured UI for seamless interaction. Manage, query, and organize data across services effortlessly—scalable, flexible, and built for microservice environments.

Features of Orbitype

Easy Resource Management

Seamlessly manage databases, storage, and APIs in one unified platform.

Automatic UI Creation for Any Structure

Instantly generate admin interfaces for any database or storage setup.

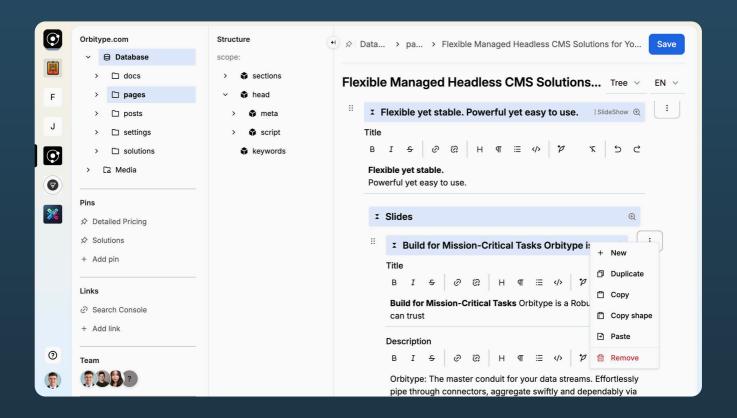
Multitenancy

Effortlessly handle multiple workspaces and clients within a single environment.



Headless CMS

Orbitype is the ultimate headless visual CMS designed for websites, apps, and any digital channel. Effortlessly sketch your data structure or start with a flexible template—no rigid schemas, no limitations. Orbitype automatically visualizes JSON data into intuitive, manageable fields, so you can focus on business logic instead of technical constraints.



Any Data Structure

Customize your CMS without rigid schemas. Define content types, manage relationships, and structure data freely to fit any design or layout.

Al Content Writing

Automate text creation, optimize for SEO, and streamline workflows with Al-driven suggestions.

Multilingual i18n

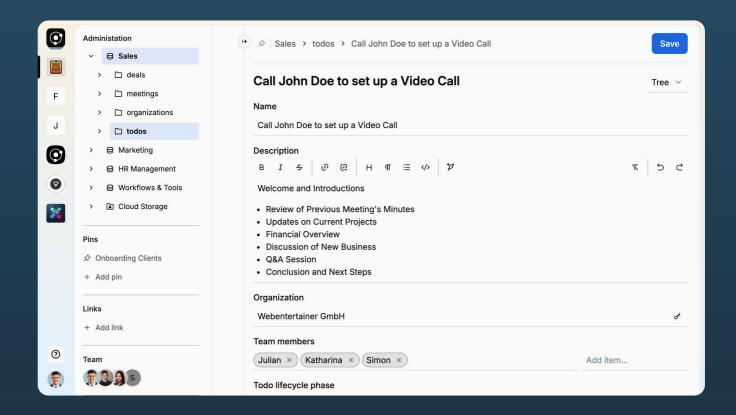
Built-in translation support for seamless multilingual content management—no extra plugins required.

Multi tenant Workspaces

Manage multiple projects or clients in one account with separate data, roles, and permissions.

CRM / ERP Example

Orbitype is a powerful data platform designed to support CRM, ERP, and any structured data-driven application. Whether you're managing customer relationships, automating workflows, or handling enterprise operations, Orbitype provides a flexible, headless architecture that adapts to your needs. With seamless database and storage integration, it enables businesses to build scalable, API-driven solutions—without technical constraints. Unlock the full potential of your data with a platform built for speed, flexibility, and growth.



Any Data Attributes and Types

Define and structure your CRM/ERP data with complete flexibility. Support for any field type, including numbers, dates, text, and relationships, ensures a perfect fit for your business logic.

Custom Relations

Easily model complex relationships between customers, invoices, projects, or any other entities to fit your business needs.

API for Seamless Integration

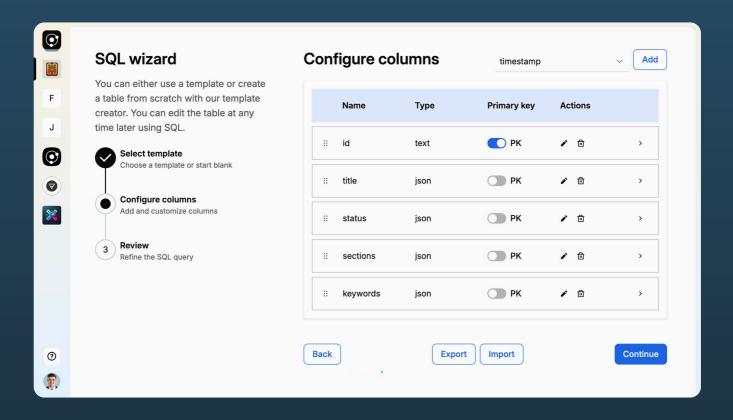
Connect your CRM/ERP with external tools, automate data flows, and integrate seamlessly with third-party services via a robust API.

Easy Import, Export, & Backup

Migrate data effortlessly, sync with existing systems, and ensure secure backups for full data control and compliance.

SQL Wizard - Database Design

Orbitype's SQL Wizard revolutionizes database design and management, making it accessible to both developers and non-technical users. Whether you're starting from scratch or using a predefined template, the intuitive interface allows for effortless customization, seamless scalability, and full flexibility—without the need for complex SQL. For advanced users, direct SQL editing ensures complete control over database structures. Build, optimize, and manage data effortlessly with a platform that adapts to your needs.



Easy Usage

Simplify database design with an intuitive, nocode approach. Define tables, relationships, and indexes effortlessly.

Any Structure

Design databases without restrictions supporting relational, document-based, and hybrid models for maximum flexibility.

Save Templates

Create and reuse database templates to speed up project setup and ensure consistency across environments.

Advanced Settings

Fine-tune database configurations, optimize default values, create custom relationships, set primary keys, and rearrange columns easily with drag-and-drop functionality.

SQL API - Full Control, No Lock-In

Orbitype's SQL API gives you full control over your data with no vendor lock-in, ensuring seamless integration with any system. Unlike traditional CMS solutions, it supports direct SQL queries, enabling advanced data manipulation, automation, and scalability—far beyond basic CRUD operations. With a universally recognized SQL-based approach, you can leverage familiar tools and workflows without learning a proprietary query language. Unleash the full potential of your data with a flexible, developer-friendly API.

```
Create

Use an INSERT statement to create a new row.

http request POST https://core.orbitype.com/api/sql/v1

{
    "sql": "INSERT INTO posts (title) VALUES (:title) RETURNING *",
    "bindings": {
        "title": "Delta"
    }
}

[
    {
        "id": 4,
        "title": "Delta",
    }
}
```

No Lock-In

Access and manage your data seamlessly with Orbitype's SQL API. Designed for flexibility, it allows direct SQL queries while maintaining security and scalability—offering far more than just basic CRUD operations.

A lot more than CRUD

Execute complex queries, join tables, aggregate data, and automate workflows beyond simple create, read, update, and delete operations.

Alredy Known

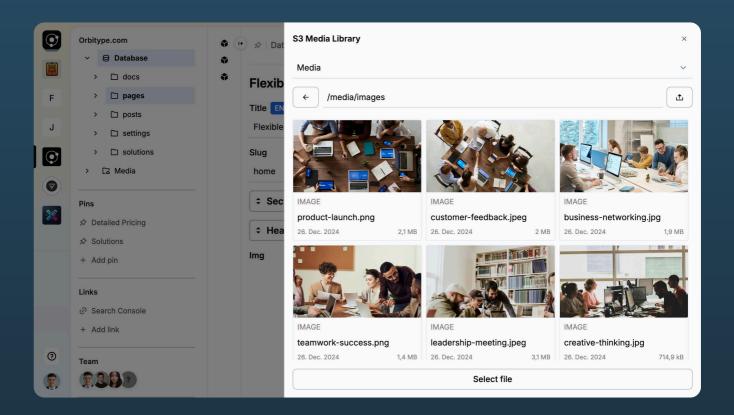
Leverage the power of SQL, a universally recognized language, eliminating the need to learn a new query system.

Format data

Transform and structure query results effortlessly with built-in data formatting, ensuring clean and ready-to-use outputs.

Scalable Resource Management

Orbitype's Scalable Resource Management ensures effortless storage, accessibility, and control with seamless S3 integration. Whether you need high-speed global delivery via built-in CDN or secure private storage with granular access controls, Orbitype adapts to your needs. With automatic scaling, you never have to worry about storage limits, and the intuitive interface lets you edit, organize, and manage files without external tools. Power your projects with flexible, hasslefree storage that grows with you.



Public Storage + CDN

Deliver images, videos, and other assets globally with built-in CDN support for highspeed, low-latency performance.

Scale without effort

Automatically scale storage as your data grows, without worrying about limits or manual configurations.

Private Storage

Secure sensitive files with granular access controls, ensuring only authorized users can view or modify data.

Edit Files Easely

Modify, rename, and organize files directly within the interface—no external tools needed.

S3 API

Orbitype's S3 API provides a powerful, flexible solution for managing file storage effortlessly. Upload, retrieve, and organize files with seamless scalability and built-in security, ensuring smooth integration with any system. Easily create or update text-based files using simple PUT requests, making automation and remote file management more efficient than ever. Streamline your storage operations with a developer-friendly API designed for speed and reliability.

```
Upload

To create a non-text media file, send a multipart/form-data request.

Pass the path as a query param and the file as part of the form request.

http request

POST https://core.orbitype.com/api/s3/v1/upload

?path=blog/media/cover.jpg

Content-Type: multipart/form-data

Content-Disposition: form-data; name="file"; filename="cover.jpg"

Content-Type: image/jpeg

blog/media/cover.jpg
```

```
Store

Create or overwrite a text file by passing a path and body.

Request:

http request PUT https://core.orbitype.com/api/s3/v1

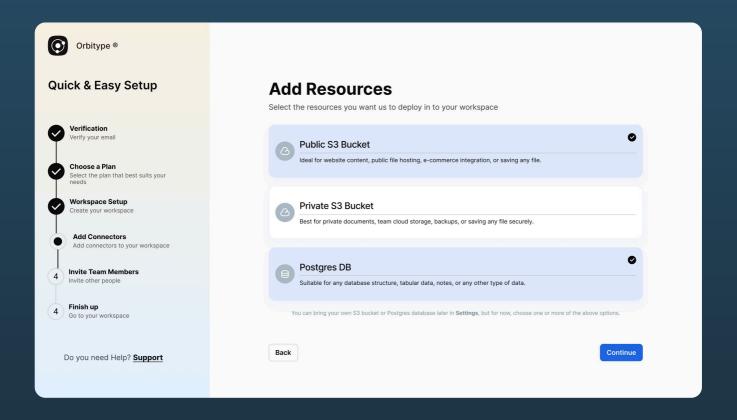
Response:

{
    "path": "blog/posts/neo.json",
    "body": { "title": "Neo", "text": "Another post" }
}

blog/posts/neo.json
```

Agency-Centric Features

Orbitype is designed specifically for agencies, enabling seamless multi-client management, streamlined operations, and faster project deployment. With multi-tenant workspaces, agencies can handle multiple brands or clients without separate installations, while pre-configured templates and reusable components accelerate setup. Built-in team collaboration tools allow role-based access and real-time project management, ensuring full flexibility and scalability. Optimize workflows, reduce setup time, and scale effortlessly with a platform built for agencies.



Multi-Tenant

Manage multiple clients, brands, or projects in isolated workspaces—without separate installations.

With Your Team

Assign roles, set permissions, and collaborate in real-time across multiple projects with built-in team management.

Reduce Setup Time

Pre-configured templates, easy resource provisioning, and reusable components speed up onboarding and project deployment.

Flexible & Scalable

Adapt Orbitype to your agency's workflow with customizable structures, integrations, and automation tailored to your needs.

Our Offer

Orbitype PRO



Orbitype PRO

Includes the seat itself the Resources you see below





1GB PostgreSQL DB

Bring your own or Deploy one with one click.



5GB Public S3 + CDN

Bring your own or Deploy one with one click.



5GB Private S3

Bring your own or Deploy one with one click.

Orbitype Pro

Unlimited Workspaces

Register now

Roadmap

What's Next for Orbitype

Integrated Group Chat Feature

A team-focused group chat system scoped to each workspace will enable seamless collaboration between teammates and clients.

Powerful Automations

Orbitype will introduce advanced automation capabilities, allowing users to run custom JavaScript in a serverless environment fully integrated with their connected resources. This feature will function similarly to platforms like Zapier or n8n, streamlining workflows and reducing manual tasks.

Our Roadmap

Checkout our Roadmap to see whats coming. Ask Questions and get Anwsers.

Roadmap

Your Wish list

Be part of the Orbitype community and vote for future Features.

Wish list

Resources to get started

Take the Next Step with Orbitype!

Try Orbitype Free

One Month Free Trial: Unlock your extended access with no commitments.

Sign up Now

Join our Community

Be part of the Orbitype community! Exchange ideas, and grow together!

Discord

Learn More

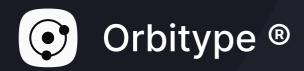
Explore our Solutions to see how we address your agency's biggest challenges.

Dive into our Documentation for detailed guides on integrating Orbitype into your workflow.

Stay updated with insights on our Blog.

Take the first step toward a more streamlined, efficient workflow —your agency deserves it!

Visit Our Blog



Join the Orbitype revolution today and discover the platform that adapts to you—not the other way around. Start your free trial and experience the future of content management without lock-in.