

DreamFactory is a free, open source REST API Backend for mobile, web, and IoT applications. With DreamFactory you can connect to any data source and instantly get a full palette of secure, reusable, customizable REST APIs for your projects.

Your client devices and applications simply make REST calls and DreamFactory returns JSON data. DreamFactory provides full security and user management, including single-sign on support. Advanced features include scripting and customization,

client SDK interfaces for simpler API access, role-based access controls, record-level access controls, and live API documentation.

DreamFactory replaces months of API development and server-side integration work. Start your projects with reliable REST APIs on day one.

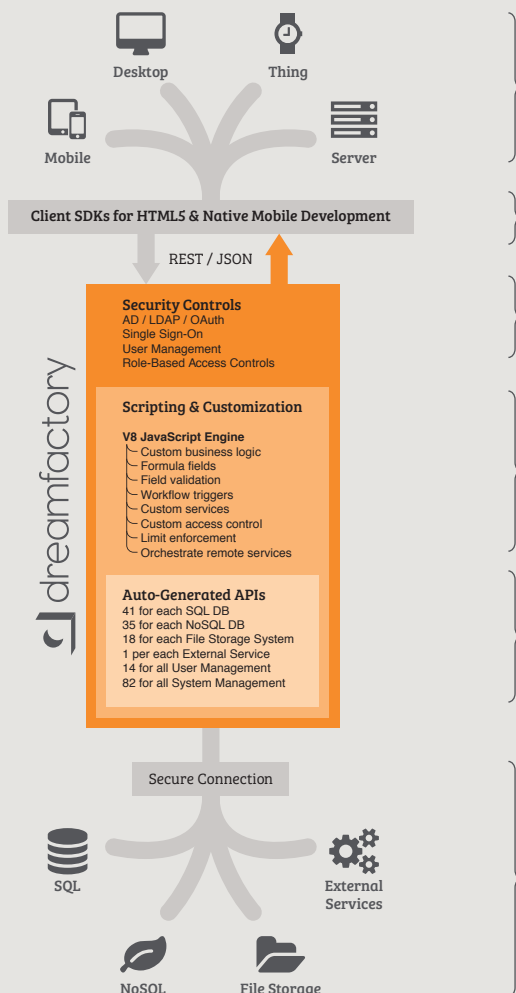
DreamFactory is free, open source software! Install it on any server on premise or in the cloud, even your own Windows, Linux, or Mac computer.



“DreamFactory lets us focus on what we do best and not worry about building our own REST API integration, backend security, and mobile app deployment tools.”

–Ashwin Shankar, CEO, Binary Workshop

DreamFactory REST API Backend



DreamFactory provides **RESTful backend services** that allow you to connect any device with any data source with just a few clicks.

DreamFactory provides **SDKs** for iOS, Android, AngularJS, jQuery, Sencha, and more so you can develop in your favorite environment.

DreamFactory integrates with your **security controls** and provides user management and granular access permissions.

Easily **customize** auto-generated REST APIs with pre- and post-processing scripting logic.

DreamFactory **auto-generates** a comprehensive palette of customizable and secure REST APIs for any data source.

With a few clicks, you can securely connect to SQL databases, NoSQL databases, file storage systems, and external web services.

Stop wasting time writing APIs!

Id	API Name	Name	Description	Active	System
1	db	Database	Local database access	true	true
2	files	Local File Storage	Local file storage access	true	true
3	email	Email Service	Email utility access	true	false
8	dynamodb	dynamodb	REST API for Amazon DynamoDB	true	false
10	azure-tables	azure-tables	REST API for Azure Tables	true	false
11	S3	S3	REST API for Amazon S3 Storage	true	false
12	SNS	SNS	REST API for Amazon SNS Push	true	false
13	wordpress	wordpress	REST API for Wordpress Blog	true	false
14	mailgun	mailgun	REST API for Mailgun email	true	false
15	oracle-10g	oracle-10g	REST API for Oracle	true	false
16	mongodb	mongodb	REST API for MongoDB	true	false
17	sql-server	sql-server	REST API for SQL Server	true	false
18	gmail	gmail	REST API for Gmail	true	false
19	db2	db2	REST API for IBM DB2	true	false
20	mysql	mysql	REST API for MySQL	true	false
21	couchdb	couchdb	REST API for CouchDB	true	false
22	postgresql	postgresql	REST API for PostgreSQL	true	false

Connect to Any Data Source

Connect to any data source in minutes via auto-generated REST APIs. DreamFactory's RESTful services are integrated with your security controls and provide user management, role-based access controls, and record-level access permissions.

db : REST API for Local database access

- GET /db getResources() - List all resources.
- GET /db getTables() - List all table names.
- GET /db getAccessComponents() - List all role accessible components.
- GET /db/{table_name} getRecordsByFilter() - Retrieve one or more records by using a filter.
- GET /db/{table_name} getRecordsByIds() - Retrieve one or more records by identifiers.
- POST /db/{table_name} getRecordsByPost() - Retrieve one or more records by posting necessary data.
- GET /db/{table_name} getRecords() - Retrieve one or more records.
- POST /db/{table_name} createRecords() - Create one or more records.
- PUT /db/{table_name} replaceRecordsByIds() - Update (replace) one or more records.
- PUT /db/{table_name} replaceRecordsByFilter() - Update (replace) one or more records.
- PUT /db/{table_name} replaceRecords() - Update (replace) one or more records.

Auto-Generate REST APIs & Docs

DreamFactory automatically generates a comprehensive, secure, customizable palette of REST APIs for your data sources.

Event Scripts > db > /db/contacts > db.contacts.post_pre_process

```

1 // This script runs BEFORE records are written to the db.
2 // records are in array event.request.body.record.
3
4 if (event.request.body.record)
5 {
6
7   ..each(event.request.body.record, function(record) {
8     if (!record.firstName) {
9       throw 'First name cannot be empty';
10    }
11    if (!record.lastName) {
12      throw 'Last name cannot be empty';
13    }
14    if (!record.skype) {
15      throw 'Skype handle cannot be empty';
16    }
17    if (!record.twitter) {
18      throw 'Twitter username cannot be empty';
19    }
20  }
21 }
22

```

Scripting & Customizations

Easily customize auto-generated APIs with your own scripts. DreamFactory works with the V8 JavaScript Engine so you can customize APIs with your own pre- and post-processing business logic.



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DreamFactory is open source software. Download and use free today. Or try instantly with a free development environment hosted by DreamFactory.

www.dreamfactory.com