

How to Create a Project

Objective

The following page explains how to create a new project on SOAJS SaaS.

Every project requires a database resource to provision the deployment configuration and at least one infrastructure provider to provision your infrastructure and deploy your projects' components.

SOAJS SaaS currently integrates with [MongoDB Atlas](#) to provision the deployment configuration and also integrates with [Amazon Web Services](#), [Google Cloud](#), and [Microsoft Azure](#) to provision your infrastructure.

Steps

1. Create a new Database Resource Account
 - a. Create new MongoDB Atlas Account
 - b. Create an organization
 - c. Create a Project
 - d. Create a Cluster
 - e. Create a Database Administrator Account
 - f. Generate API Key & Token
2. Create a new Infrastructure Account
 - a. Create a new AWS Account
 - i. Generate API Key & Token
 - b. Create a new Google Account
 - i. Generate API Key & Token
 - c. Create a new Azure Account
 - i. Generate Credentials
3. Create New SOAJS SaaS Project
 - a. Enter Project Details
 - b. Pick Project Package
 - c. Provide Infrastructure Credentials
 - d. Provide Resource API Key & Token

Database Resource Account

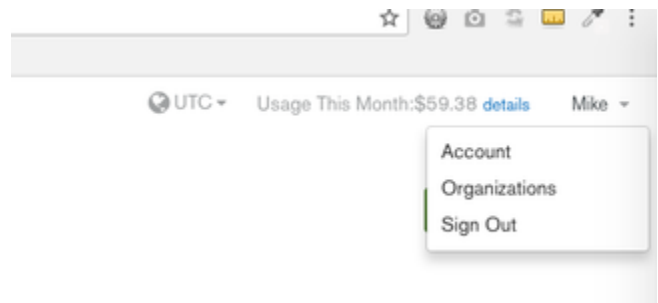
You need a resource to hold and persist your project's cloud deployment information. SOAJS SaaS currently support [MongoDB Atlas](#).

If you do not have an account, you need to create a new Atlas account; Click Here: <https://docs.atlas.mongodb.com/getting-started>

Login to your Atlas account and follow the steps below:

Step 1:

Create a new Organization the top right Menu



Step 2:

Create a new Project in your Organization

Step 3:

Create a new Cluster in your Project

Hint

You can choose the **M0** (Free Tier) Flavor while creating your cluster if this is your first testing project and upgrade the cluster at any moment later on.

CREATE A PROJECT

✓ Name Your Project ✓ Add Members

Next

Name Your Project

Project names have to be unique within the organization (and other restrictions).

Project Name

Cancel

Next

Cluster Name: myCluster

MongoDB Version: MongoDB 3.4 with WiredTiger™ storage engine

Cloud Provider: Amazon Web Services

Region: us-east-1

Instance Size: M0

Pricing: \$0.00/ Hour

Confirm & Deploy

Step 4:

Once you create your cluster, Click on the **Security** Tab and create a Database Administrator Account by providing a username & password

Add New User

SCRAM Authentication

Enter username: e.g. new-user_31

Enter password

User Privileges

Atlas admin | Read and write to any database | Only read any database

Show Advanced Options

Cancel | Add User

Step 5:

Finally, Click on **Account** in the top right menu, then click on **Public API Access** Tab and Generate a new API Key & Token.

The API Token will be used so that SOAJS SaaS can communicate with your MongoDB Atlas Cluster.

Account Settings

Profile | Personalization | Organizations | Public API Access

API Keys

Generate

Enabled	Key	Description	Last Used	Created	Actions
✓	-----	Test Key 1	03/13/18 - 09:51:28 AM	12/04/17 - 12:17:25 PM	View

API Whitelist

Add

SOAJS SaaS needs all the following information to integrate with MongoDB Atlas and provision your cloud configuration.

Project Name	Name of the Atlas project where you created your DB Cluster	From Step 2
Cluster Name	Name of your DB Cluster	From step 3
Organization Id	The Organization ID where you created your Atlas project	You can extract from the organization id from the URL. When you click on the organization from the list, you can see all the projects under it and the URL will be for example: https://cloud.mongodb.com/v2#/org/5a18277b96e821988f515a42/projects , where 5a18277b96e821988f515a42 is the Organization Id.
Username	The API username of your Atlas account	The username you logged in with; usually your email.
API token	The API Token of your Atlas account	From Step 5
DB Username	The DB Cluster username	From Step 4
DB Password	The DB Cluster password	From Step 4

Infrastructure Account

You need to have an account at a cloud provider in order to provision your infrastructure. SOAJS currently supports [Amazon web service](#), [Google cloud](#), and [Microsoft Azure](#).

This step is optional, you can create a project without specifying which infra provider to use.

Once your project is created, you can add as many accounts as you wish, open your projects and head to **Infrastructure** pillar from the top menu and follow the wizard steps.

Amazon Web Services

Refer to SOAJS [AWS Driver](#) documentation page if you wish to use AWS as a cloud infrastructure provider, the page instructs you how to create an AWS account and what are the credentials that the SOAJS SaaS requires to integrate with AWS and where to find them.

Google Cloud

Refer to SOAJS [Google Cloud Driver](#) documentation page if you wish to use GC as a cloud infrastructure provider, the page instructs you how to create a GC project and what are the credentials that the SOAJS SaaS requires to integrate with GC and where to find them.

Microsoft Azure

Refer to SOAJS [Microsoft Azure Driver](#) documentation page if you wish to use Azure as a cloud infrastructure provider, the page instructs you how to connect with Azure and what are the credentials that the SOAJS SaaS requires to integrate with Azure and where to find them.

Create a New SOAJS SaaS Project

At this point, you have all the requirements needed to create a new project on SOAJS SaaS.

1. Log in to the members area under the SOAJS Website: <https://www.sojas.io/member/login>
2. Click on **Create New Project**
3. Choose the SaaS option, and click on **Create Project**
 - a. Provide a name & a description for your project
 - b. Select a package from the available package
4. Select the infrastructure provider you wish and fill in the API information (optional)

- a. AWS: API key + Token
 - b. GC: Project Name/Id + JSON Token
 - c. Azure: Client ID, Client Secret, tenant ID + Subscription ID
5. Fill in the information of your Atlas Cluster
- a. Organization Id
 - b. Project Name
 - c. Cluster Name
 - d. Database Username
 - e. Database Password
 - f. API Username
 - g. API Token

Project Details

Follow the wizard steps to create your project. ([Download Manual](#))

Name

Package

START

	Starter	Lean	Agile	Power	Flex
Number of repos	5	10	20	40	60
Number of users	1	3	10	20	30
Number environments	2	4	10	15	20
Shared support (email & ticket system)	✖	✔	✔	✔	✔
Price / Month	Free	Coming Soon	Coming Soon	Coming Soon	Coming Soon

Project Name

Name

Project Description

Description

< Back

> Next

Your project will be created but might take up to 10 minutes for it to be activated because, during that time, SOAJS will request to whitelist it's server IPs in your Atlas cluster's security panel so it can execute mongo operations and provision your cloud's configuration.

Once the project is activated, an **Open** button will be available next to its name and you can click it to access your project.