



# SlashDB

# Getting Started

Launching and Configuration on amazon  
web services

# How Do I Register For a Free Trial of SlashDB?

## Prerequisites

In order to activate your copy of SlashDB's Amazon EC2 free trial, you are required to have the following:

- Amazon Web Services Account

If you don't have one, get one for free at

<https://aws.amazon.com/free/>

- SlashDB AMI from AWS Marketplace

This is a link redirects to the latest version in AWS Marketplace

<https://www.slashdb.com/aws-listing>

## SlashDB on Amazon EC2: A tour for users

SlashDB automatically creates web APIs out of your databases in Amazon Cloud.

- Easily deliver data to HTML 5 and mobile applications
- Integrate with 3<sup>rd</sup> party websites and applications
- Empower data scientists to work with unobstructed data

# 1. Launch SlashDB

- 1.1 Click on the link below to be redirected to the SlashDB product page.  
<http://slashdb.com/aws-listing>
- 1.2 Start by selecting the correct region. Choose one region from the drop-down menu next to **For Region** offered in the box, **Pricing Details**. Ideally, you should select the same region where your databases are located.

aws marketplace

Hello, Christina. (Sign out) Your Account | Help

Shop All Categories Search AWS Marketplace GO Your Software

## SlashDB - Automatic REST API for Databases

Sold by: vt.enterprise | See product video

/db (SlashDB) automatically constructs a REST API out of relational databases so their content becomes accessible to authorized users and applications in XML, JSON, CSV and HTML. /db has found applications in master data management, data virtualization, data publishing APIs, e-commerce and mobile enterprise apps. Business analysts, data scientists, marketers, application developers, database administrators, web developers and other user groups all derive unique benefits from this technology. Mobile and web application developers leverage /db's REST/HTTP API as gateway to legacy databases. Website ... Read more

**Customer Rating** Be the first to review this product

**Latest Version** 0.7.29

**Base Operating System** Linux/Unix, Ubuntu 12.04

**Delivery Method** 64-bit Amazon Machine Image (AMI) (Learn more)

**Support** See details below

**AWS Services Required** Amazon EC2, Amazon EBS

**Continue** You will have an opportunity to review your order before launching or being charged.

**Pricing Details**

For region: **US East (Virginia)**

US East (Virginia)  
US West (Oregon)  
US West (Northern California)  
EU West (Ireland)

This product can be used for free on a micro instance for up to 750 hours per month if you qualify. See details.

- 1.3 To proceed with setup, click **Continue**.

## Pay as You Go Pricing

SlashDB on AWS Marketplace is offered under all-inclusive hourly pricing based on the instance size.

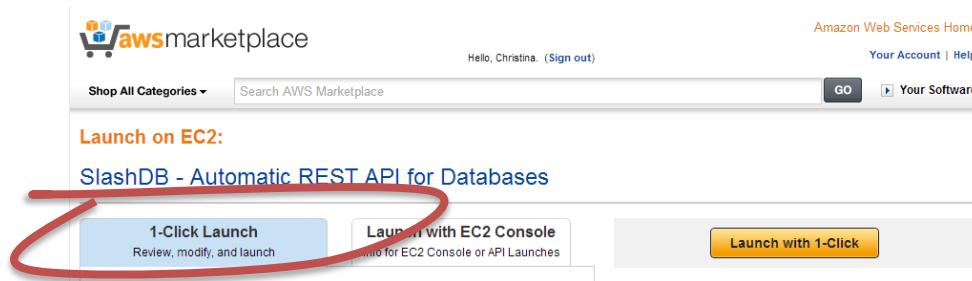
Try it free for 30 days, no credit card required.

After that SlashDB pricing starts at \$0.006/hr for the t2.nano instance.

Capable m4.large instance costs only \$0.35/hr or about \$84/month.

# 1. Launch SlashDB Cont.

- 1.4 On this next step, you have 2 choices on how to setup SlashDB. However, SlashDB recommends keeping the default **1-Click Launch Option**.



- 1.5 **EC2 Instance Type.** Standard Micro (t1.micro) size is sufficient for trial purposes and is also eligible for free tier. Standard Medium (m1.medium) should be your starting size for production use. Use High-Memory instances for high traffic and data heavy installations.
- 1.6 Unless you have specific requirement you may keep the default settings **VPC** and **Security Group**.
- 1.7 You can use your existing **Key Pair** if you have one or create a new pair by following the steps on Amazon.  
Key pair will allow you to access SlashDB backend via Linux. Most administrative functions do not require that but we recommend setting them up.
- 1.8 Click the yellow button **Accept Terms & Launch with 1-Click**



## Why Keep the Default Setting, 1-Click Launch?

- **1-Click Launch**  
SlashDB recommends this option for those looking to try the free trial or for those not familiar with Amazon
- **Launch with EC2 Console**  
For more advanced users, feel free to choose this step.

Users should note that any customizations, which are done via **Launch with EC2 Console** option can always be added later either by yourself or by your personal SlashDB representative.

This user guide is meant for **1-Click Launch**.

## 2. Confirm SlashDB AWS Setup

2.1 After Launching, a window will popup to confirm all the details of your SlashDB AMI and quick usage instruction.

2.2 After closing the popup, you will be redirected to a webpage that will show you all your Instances on Amazon's EC2. Be sure to **make a note of your SlashDB instance ID** as you will need it in the next step.

If this is your first setup on AWS, then you will only see one instance on this webpage. If no instances are showing, refresh your browser window or follow this URL: <https://aws.amazon.com/marketplace/library>

aws marketplace

Amazon Web Services Home

Hello, Christina. (Sign out) Your Account | Help

Shop All Categories ▾ Search AWS Marketplace GO ▶ Your Software

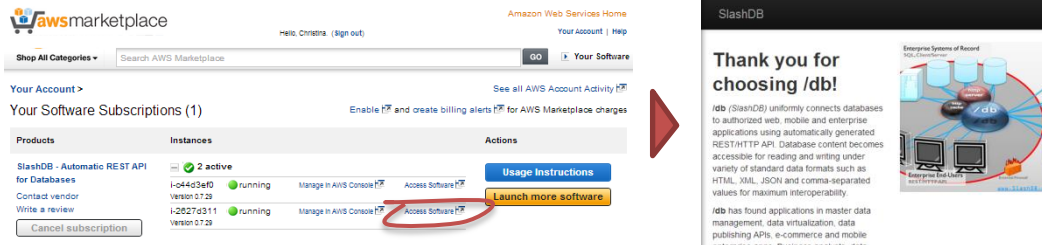
Your Account > See all AWS Account Activity

Your Software Subscriptions (1) Enable and create billing alerts for AWS Marketplace charges

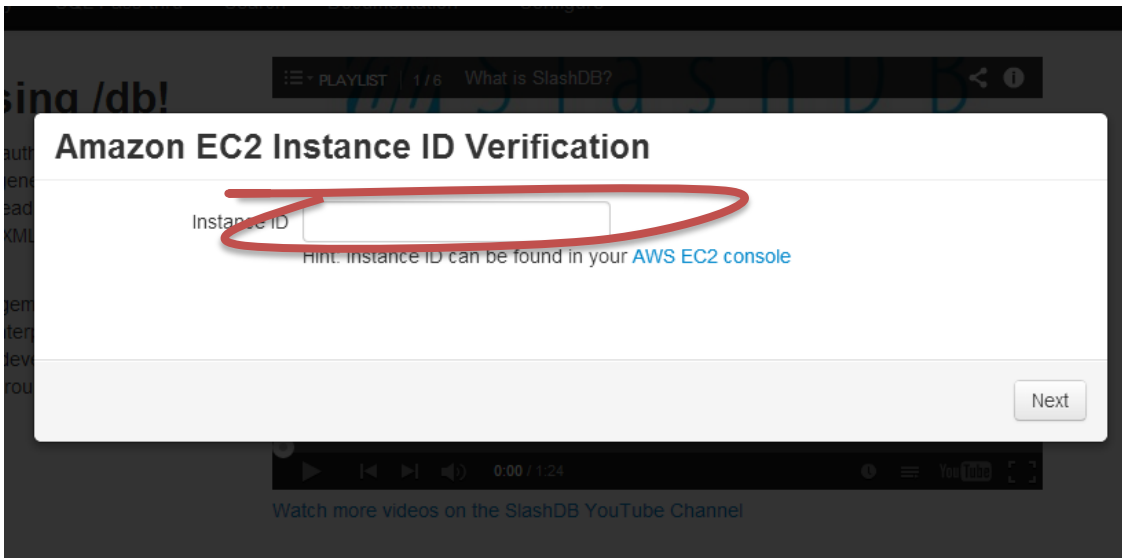
Products	Instances	Actions
<b>SlashDB - Automatic REST API for Databases</b> <a href="#">Contact vendor</a> <a href="#">Write a review</a> <a href="#">Cancel subscription</a>	<div>2 active</div> <div><div>i-c44d3ef0</div><div>running</div><div>Version 0.7.29</div></div> <div><div>i-2627d311</div><div>running</div><div>Version 0.7.29</div></div>	<div><a href="#">Manage In AWS Console</a> <a href="#">Access Software</a></div> <div><a href="#">Usage Instructions</a></div> <div><a href="#">Launch more software</a></div>

# 3. SlashDB GUI

- 4.1 To connect to your SlashDB GUI, click **Access Software** to the right of your newly created SlashDB Instance. This will redirect you to the SlashDB webpage for users.



- 4.2 Use your SlashDB instance ID collected in Step 2 to unlock the software and set the Username and Password for your admin user.



## Finding Your Instance ID

Instance ID can be located in your [AWS EC2 console](#) and in your Marketplace [software library screen](#).

If you have more than one instance running you can figure the instance ID using the Public DNS/IP address.

## Username/Password

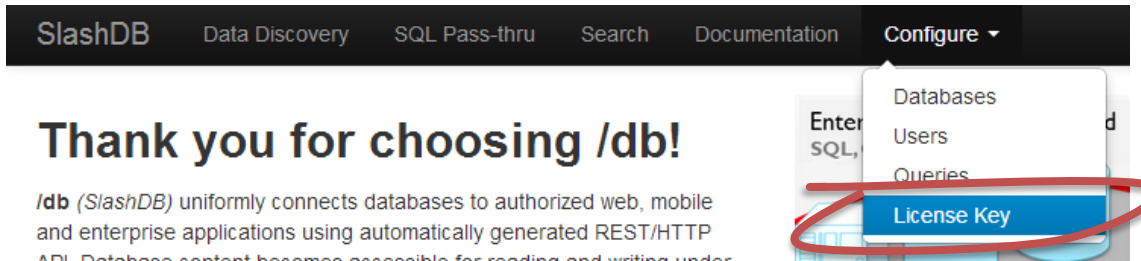
Be sure to choose a strong password.

If you need to change the password you can do so after logging in using change the User's profile menu in top right corner of the application.

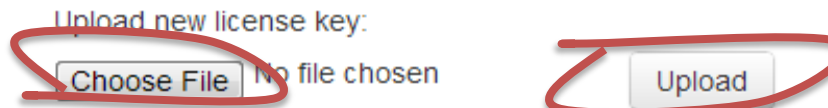
# 4. Install License Key

5.1 In the settings, select **License Key** from the drop-down menu under **Configure** to register your SlashDB License Key.

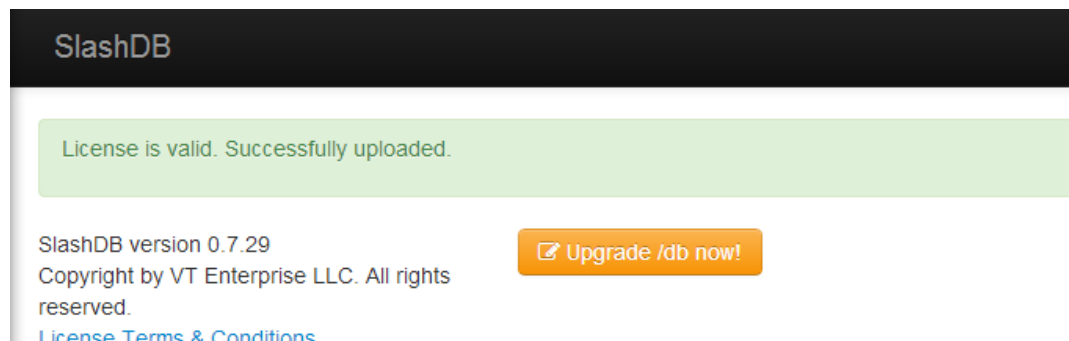
If you do not have a License Key – Follow the directions in the Blue Tip Bar on the Right of the Guide



5.2 To upload your license key, click on **Choose File**. Select the key from your files and click **Save**.



5.3 Click the button **Upload** to upload the key and continue. When the key is validated, the webpage will return with a confirmation on a green bar.



You will need to perform this step only if you are buying your license directly from SlashDB. This will be required if you need more than one database or more than 100 users.

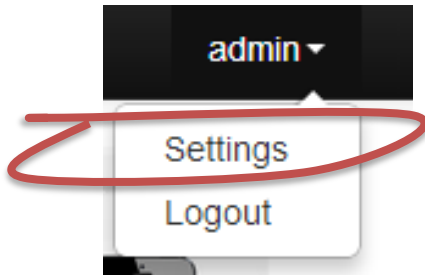
A key will automatically be sent to your email after.

To request quote, please fill out a short registration form on our website:

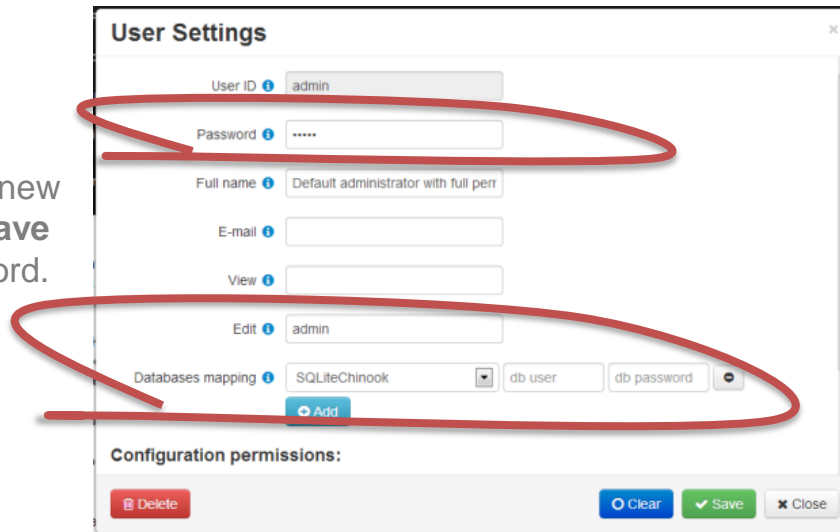
<https://www.slashdb.com/contact/>

# 5. Admin Password & Permissions

- 6.1 To change the admin password, select **Settings** from the drop-down menu under **admin**. A window called **User Settings** will pop up into the screen.



- 6.2 In the popup, enter a new password and click **Save** to set the new password.

A screenshot of a 'User Settings' window. The title bar says 'User Settings'. Inside, there are several fields: 'User ID' (admin), 'Password' (masked with dots), 'Full name' (Default administrator with full perr), 'E-mail', 'View', 'Edit' (admin), and 'Databases mapping' (SQLiteChinook). Below these is a blue 'Add' button. At the bottom, there's a 'Configuration permissions' section with a red 'Delete' button, a blue 'Clear' button, a green 'Save' button, and a grey 'Close' button. Red hand-drawn circles highlight the 'Password' field and the 'Databases mapping' section.

- 6.3 To change the admin's permissions, pay close attention to the field **Databases mapping** under the User Settings window. Identify all the databases admin sees by adding each database.
- The drop-down menu will identify all the databases currently connected to SlashDB. Select one, indicate the database's actual user, add the password. To add more, Click on the blue button **Add**.
- 6.4 Click **Save** to save any changes you made. And click **Close** to close out of the window.

## Password Recovery

If you are familiar with Linux, you will easily be able to reset your own password in the backend.

Refer to "User Guide" for more info:  
<http://docs.slashdb.com/>

If you are not comfortable with Linux command line, send a request to us and we will reset your password for you.

## How to use "admin" user?

Avoid using the "admin" user for application API access. Instead use this account to set up databases and application users as shown in Steps 7-9.



# 6. Modify your Database Firewall Settings

3.1 Using AWS EC2 console, add the newly created SlashDB security group to your database server's Security Group on the correct port.

<https://console.aws.amazon.com/ec2/#SecurityGroups:>

EC2 Dashboard  
Events  
Tags

INSTANCES  
Instances  
Spot Requests  
Reserved Instances

IMAGES  
AMIs  
Bundle Tasks

ELASTIC BLOCK STORE  
Volumes  
Snapshots

NETWORK & SECURITY  
**Security Groups**  
Elastic IPs  
Placement Groups  
Load Balancers  
Key Pairs  
Network Interfaces

Create a new Custom TCP rule

Rule:

Port range:

Source:

Add Rule

Your changes have not been applied yet.

Apply Rule Changes

Group ID	Name	VPC ID	Description
sg-10167773	vpn		rules for vpn gateway
sg-2df62b46	quicklaunch-1		quicklaunch-1
sg-ab3a85c3	Thetica		Group for thetica
sg-e050ac89	default		default group
sg-cb810ba0	SlashDB		Web + SSH only
sg-5fe86937	workstations		group for workstations
sg-01a5b768	VT-SecurityGroup		Standard VT Security Group

Security Group: VT-SecurityGroup

Details Inbound\*

1433 (MS SQL)

1433 (MS SQL)

1433 (MS SQL)

1433 (MS SQL)

3389 (RDP)

3389 (RDP)

1433 (MS SQL)

sg-2df62b46 (quicklaunch-1)

69.141.119.114/32

98.221.193.72/32

Delete

Delete

Delete

Delete

Security Group associated with your database instance

Security Group associated with SlashDB instance

## Why This Matters?

This step is VERY important.

SlashDB must be able to connect to your database server(s) in order to work.

Configure the right ports in your database instance's **Security Group** to allow inbound connections from the SlashDB instance.

You can do so by including SlashDB's Security Group ID into your database instance's Security Group settings.

Alternatively you can allow the IP address of the SlashDB instance, but security group option is recommended.

## Seek Help If You Need It

This is the hardest step for most users.

If you are having difficulty, feel free to reach out to your SlashDB representative for help.

# 7. Add Your Database

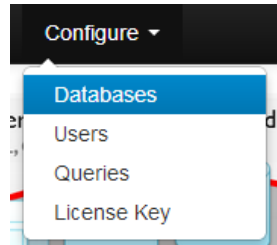
## Check the Docs, Ask for Help

If you're having trouble on this part, feel free to call or email your SlashDB representative for help or for more details.

You can also refer to the documentation online for more details.

<https://docs.slashdb.com/user-guide/config-databases.html>

- 7.1 To add your database, start by selecting **Database** in the drop-down menu under **Configure**.



- 7.2 Click on the blue button **New** to add your database. A window called **Database Definition** will popup. Fill out the form while following the tips on screenshot below.
- **Auto-reflect:** True
  - **Disable on start:** False
  - **Database Encoding:** Set according to your database or “utf-8” if uncertain.
  - Otherwise, keep default values.

### Database Definition

A screenshot of the 'Database Definition' form. The form has the following fields and labels: 'Database ID' (with an info icon), 'Description' (with an info icon), 'Type' (with an info icon and a dropdown menu showing 'mssql'), 'Database Schema' (with an info icon), 'DB user' (with an info icon), 'DB password' (with an info icon), 'Database encoding' (with an info icon), and 'Database address' (with an info icon). There are also red text annotations: 'This database login will be used for automated reflection of database model' next to the DB user field, 'utf-8 if uncertain' next to the DB password field, 'servername:port/dbname' next to the Database encoding field, and 'Select “true” for automated reflection' next to the Database address field. At the bottom of the form, there is a row with 'Auto-reflect DB' (with an info icon) and a dropdown menu showing 'true'. At the bottom right of the form, there are three buttons: 'Clear' (blue), 'Create' (green), and 'Close' (grey).

- 7.2 Click **Create** then **Close** to save your changes.

- 7.3 Repeat for all your databases.

Clear

Create

Close

# 8. Connect Your Database

8.1 Connect your database to turn on SlashDB web services for that database on **Database Definitions** page .

8.2 Once added, your database will be shown as “Disconnected.” Click the “Power” button under Actions next to your database. The status will change to “Connected”.



SlashDB

## Database Definitions

JSON

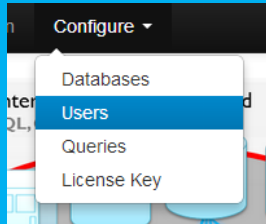
Edit	Database ID	Type	Description	Connection	Action
	SQLiteChinook	sqlite	Example SQLite database	JSON Disconnected	
	Northwind	mssql	My Northwind database	JSON Disconnected	

New

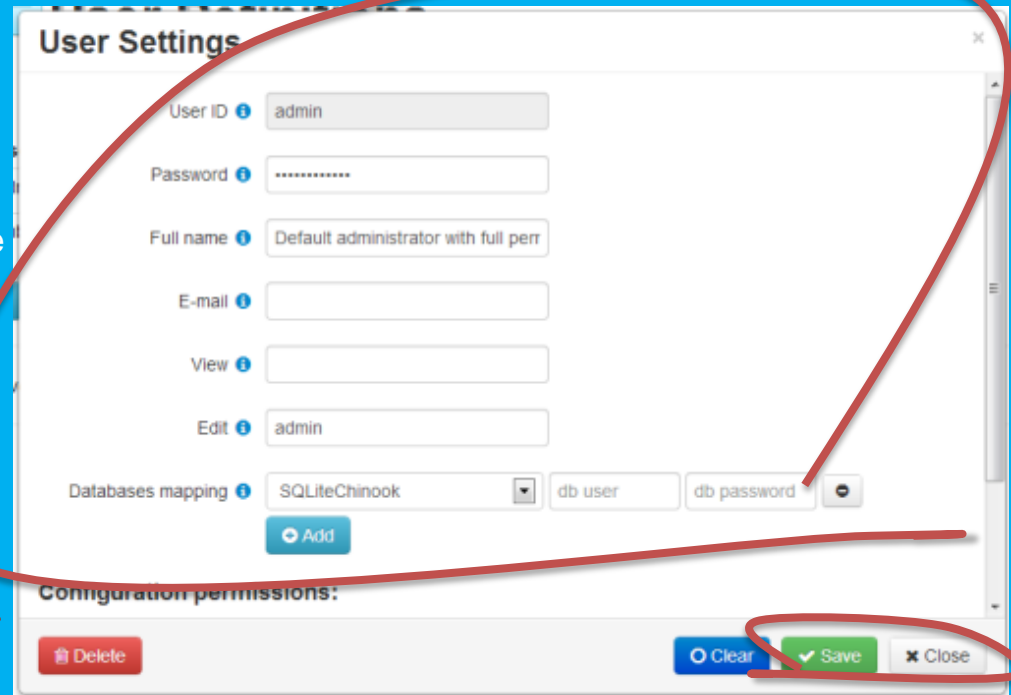
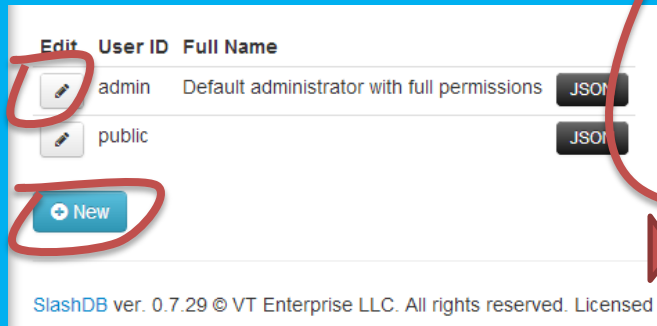
SlashDB ver. 0.7.29 © VT Enterprise LLC. All rights reserved. Licensed to UNREGISTERED. Expires 2013-09-16 ([details](#)).

# 9. Adding Users and User Permissions

9.1 Select **Users** from the dropdown menu under **Configure**.



9.2 Click the **New** button to add new user or the pencil icon to edit existing user. User Settings will pop up into the screen.



9.3 Add database mapping to allow the user to access the database by selecting the appropriate database from the dropdown next to **Databases Mapping**. Then indicate the database login and password this user will be connecting with. Once done, click **Add**. Repeat for all databases this user will be privileged to access.

9.4 Click **Save** and then **Close** when done to save all changes.

# Congrats! You're Done :)

Now you can explore SlashDB's Unique and Convenient Services

SlashDB

## Databases

XML XSD JSON CSV

Database Name	Type	Description	Connection	Action
SQLiteChinook	sqlite	Example SQLite database	Disconnected	
Northwind	mssql	My Northwind database	Connected	

HTML XML XSD JSON CSV

## Connection Action

Connected

This XML file does not appear to have the correct XML format and is being displayed as raw text.

```
<SlashDB xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.slashdb.com/SlashDB.xsd" href="/db/SQLiteChinook">
  <Album href="/db/SQLiteChinook/Album">
    <Artist href="/db/SQLiteChinook/Artist">
      <Customer href="/db/SQLiteChinook/Customer">
        <Employee href="/db/SQLiteChinook/Employee">
          <Genre href="/db/SQLiteChinook/Genre">
            <Invoice href="/db/SQLiteChinook/Invoice">
              <InvoiceLine href="/db/SQLiteChinook/InvoiceLine">
                <MediaType href="/db/SQLiteChinook/MediaType">
```

Data Discovery

## Queries

JSON

Run	Query ID	Description	Database	customer-list
	customer-list	Example query with two parameters	SQLiteChinook	<input type="text" value="Germany"/>
				<input type="text" value="Berlin"/>

## Queries

JSON

Run	Query ID
	customers by country city

## customers by country city

SQL Pass-Thru  
Queries

# Thank You for Trying Out SlashDB!



## Questions?

- Registered users can call or email their dedicated customer service representative
- Free trial users request demo and send questions at <https://www.slashdb.com/contact/>
- See documentation at <http://docs.slashdb.com/>