



Frictionless ETL for cloud era

Schema Migration : Sample workflow

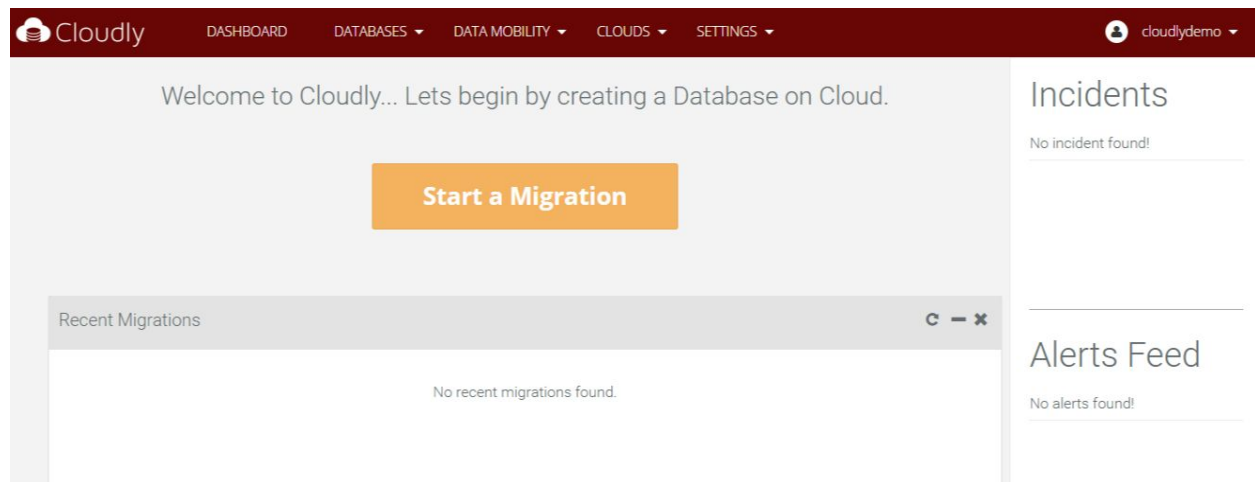
Version date - Dec 01, 2015

Sign In

1. Go to <http://edm.cloudly.io/> link and sign in using username and password

Schema Migration (Cloud Provider --RDS, Select VPC Security Group)

1. Go to **Dashboard**
2. Press on **Start a Migration** button.



3. “Let’s Start a New Migration” window appears. Select appropriate values in following sections:

Auto Provisioning:

- a. Select “No” for “Have Configuration File?” field from drop-down. (If you do not upload any config file)
- b. Select “Oracle Server” from “Select DB Engine” drop-down.
- c. Select “11g” from “Select DB Engine Version” drop-down.

Auto Migration:

- a. Select HTTPS for **Schema File** and give the Schema URL where uploaded schema file in AWS.
i.e. https://cloudlydemo-001.s3.amazonaws.com/schemas/oracle/AK_schema.sql
- b. Enter **Save** button

N.B. Example values has given in placeholder.

Auto Provisioning

Have Configuration File ? *

Select DB Engine *

Select DB Engine Version *

Data Volume ⓘ

Current

12 Months Projection

I/O Load (per Sec) ⓘ

Current

12 Months Projection

Estimated TPS ⓘ

Current

12 Months Projection

Auto Migration

Schema File *

Post-Migration DDL File

Load ⓘ

Load Characteristics

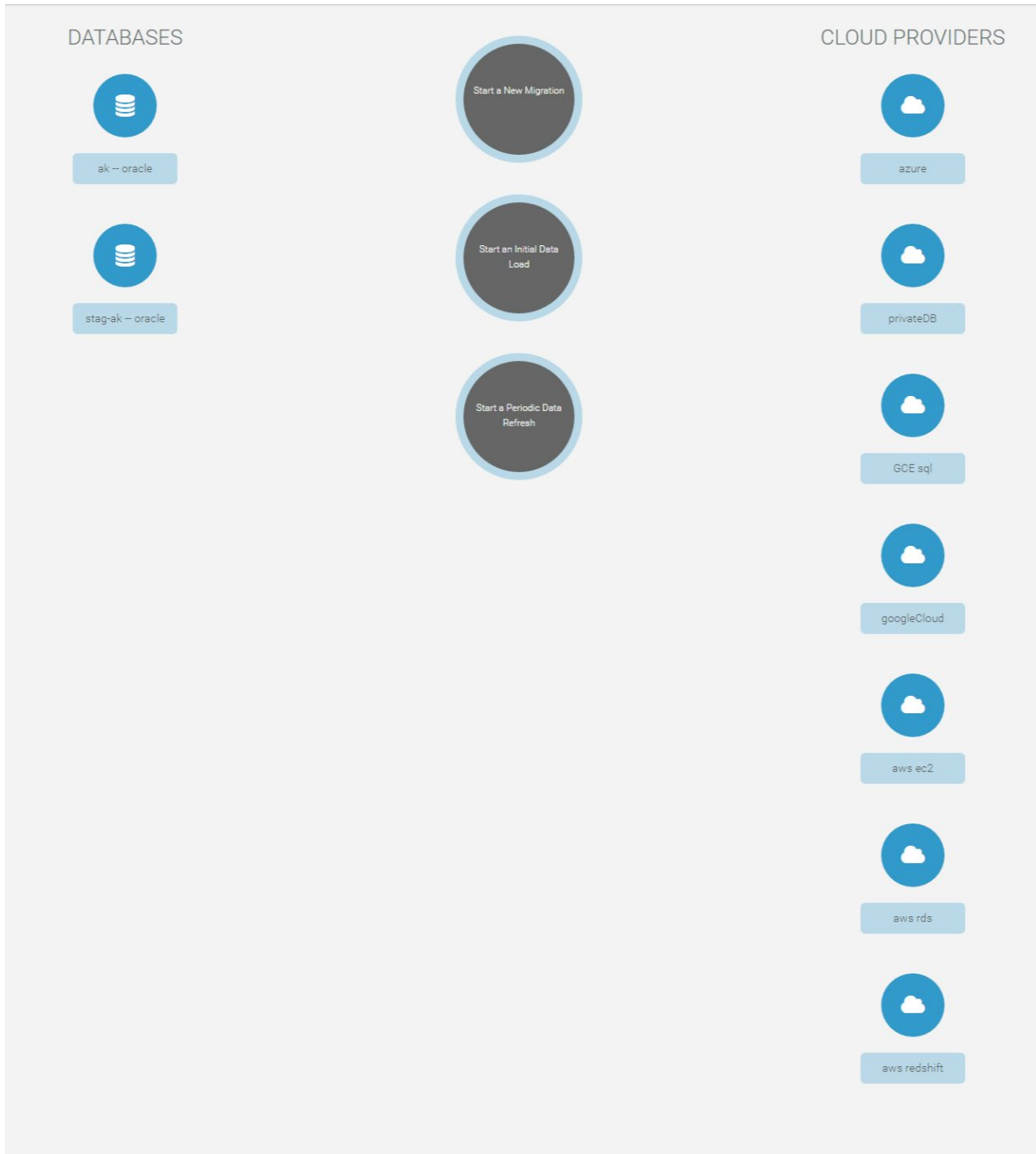
Load Type

Production Database * Yes No

4. It will redirect to the following page.

Drag the database from left to right into **Start a New Migration** circle to start.

Database is successfully uploaded and ready for migration. Start by dragging from left.



The screenshot displays a user interface for database migration. It is divided into three main sections:

- DATABASES:** Located on the left, it contains two database icons, each with a label below it: "ak -- oracle" and "stag-ak -- oracle".
- MIGRATION ACTIONS:** In the center, there are three circular buttons with light blue borders and dark gray centers. The top button is labeled "Start a New Migration", the middle one "Start an Initial Data Load", and the bottom one "Start a Periodic Data Refresh".
- CLOUD PROVIDERS:** Located on the right, it lists eight cloud providers, each with a cloud icon and a label below it: "azure", "privateDB", "GCE sql", "googleCloud", "aws ec2", "aws rds", and "aws redshift".

5. Open a modal window with "**Summary of Database**" info.
Now press **OK** button.

Summary of Database ✕

Configuration Summary

Next 12months Data Volume :	15 MB
Estimated IO Load :	9
Estimated TPS :	12

Schema Summary

Database Name :	ak
Database Port :	--
Total Tables :	31
Current Data Volume :	10 MB

Now drop the database on one of the providers on the right

OK **Cancel**

6. Database name will show there and will mark green

Now drop the database on one of the **aws rds** on the right.

7. Select migration type from the radio button to Confirm Your Migration Strategy.
Select the Checkbox for the

I have understood that I will be charged for this Transaction, and see the Cloudly Billing Policy.

Press **Confirm** button.

Confirm Your Migration Strategy



Pick	Source	Source Edition	Source Version	Destination	Dest. Edition	Dest. Version
<input type="radio"/>	oracle	standard	11g	oracle	enterprise	11.2
<input type="radio"/>	oracle	standard	11g	oracle	standard	11.2
<input type="radio"/>	oracle	standard	11g	oracle	standard one	11.2
<input type="radio"/>	oracle	standard	11g	mysql	community	5.1.73a
<input type="radio"/>	oracle	standard	11g	mysql	community	5.1.73b
<input type="radio"/>	oracle	standard	11g	mysql	community	5.5.40a
<input type="radio"/>	oracle	standard	11g	mysql	community	5.5.40b
<input type="radio"/>	oracle	standard	11g	mysql	community	5.5.41
<input type="radio"/>	oracle	standard	11g	mysql	community	5.6.19a
<input type="radio"/>	oracle	standard	11g	mysql	community	5.6.19b
<input type="radio"/>	oracle	standard	11g	mysql	community	5.6.21
<input type="radio"/>	oracle	standard	11g	mysql	community	5.6.21b
<input type="radio"/>	oracle	standard	11g	mysql	community	5.6.22
<input type="radio"/>	oracle	standard	11g	postgres	--	9.3.1
<input checked="" type="radio"/>	oracle	standard	11g	postgres	--	9.3.2
<input type="radio"/>	oracle	standard	11g	postgres	--	9.3.3
<input type="radio"/>	oracle	standard	11g	postgres	--	9.3.5
<input type="radio"/>	oracle	standard	11g	postgres	--	9.3.6
<input type="radio"/>	oracle	standard	11g	postgres	--	9.4.1
<input type="radio"/>	oracle	standard	11g	db2	enterprise	10.1
<input type="radio"/>	oracle	standard	11g	db2	enterprise	9.8
<input type="radio"/>	oracle	standard	11g	sql server	web	10.50.2789.0.v1
<input type="radio"/>	oracle	standard	11g	db2	enterprise	10.5
<input type="radio"/>	oracle	standard	11g	sql server	enterprise	10.50.2789.0.v1
<input type="radio"/>	oracle	standard	11g	sql server	standard	10.50.2789.0.v1
<input type="radio"/>	oracle	standard	11g	sql server	enterprise	11.00.2100.60.v1
<input type="radio"/>	oracle	standard	11g	sql server	standard	11.00.2100.60.v1
<input type="radio"/>	oracle	standard	11g	sql server	express	10.50.2789.0.v1
<input type="radio"/>	oracle	standard	11g	sql server	web	11.00.2100.60.v1
<input type="radio"/>	oracle	standard	11g	sql server	express	11.00.2100.60.v1

* I have understood that I will be charged for this Transaction, and see the Cloudly Billing Policy.

Confirm

Cancel

8. Choose the option from Finalize Migration Strategy.

Finalize Your Migration Strategy ✕

Have Existing RDS ? ^{*}

I have read and agree with the Cloudly Data Protection Policy.

If RDS is not existing, select **No** and fill up the **Provisioning Blueprint** Information.
(Selected New VPC)

Finalize Your Migration Strategy



Have Existing RDS ? *

Lets create a blueprint for provisioning and migration of your database.

- Provisioning Blueprint

Allocated Storage :	5	
DB Instance Class :	db.m3.medium	
Region : *	<input type="text" value="us-west-2"/>	
Availability Zones : *	<input type="text" value="us-west-2a"/>	
VPC : *	<input type="text" value="Create new VPC"/>	
DB Subnet Group Name : *	<input type="text" value="Create new DB Subnet Group"/>	
VPC Security Group Id : *	<input type="text" value="Create new Security Group"/>	
DB Parameter Group Name :	<input type="text"/>	
License Model : *	<input type="text" value="postgresql-license"/>	
Preferred Maintenance Window : *	<input type="text" value="2015-05-22 0"/>	<input type="text" value="2015-05-22 1"/>
Preferred Backup Window : *	<input type="text" value="19:33"/>	<input type="text" value="20:03"/>

+ Migration Blueprint

I have read and agree with the Cloudly Data Protection Policy.

If RDS is not existing, select **No** and fill up the **Provisioning Blueprint** Information.
(Selected existing VPC)















Finalize Your Migration Strategy



Have Existing RDS? *

Lets create a blueprint for provisioning and migration of your database.

— Provisioning Blueprint

Allocated Storage :	5
DB Instance Class :	db.m3.medium
Region : *	<input type="text" value="us-west-2"/> 
Availability Zones : *	<input type="text" value="us-west-2a"/> 
VPC : *	<input type="text" value="cloudly-test1 (vpc-a5b01ec0)"/> 
DB Subnet Group Name : *	<input type="text" value="cloudly-test1"/> 
VPC Security Group Id : *	<input type="text" value="sg-b57d6cd0"/> 
DB Parameter Group Name :	<input type="text"/> 
License Model : *	<input type="text" value="postgresql-license"/> 
Preferred Maintenance Window : *	<input type="text" value="2015-05-22 0"/>   <input type="text" value="2015-05-22 1"/>  
Preferred Backup Window : *	<input type="text" value="19:58"/>  <input type="text" value="20:28"/>  

+ Migration Blueprint

I have read and agree with the Cloudly Data Protection Policy.

9. Database circle changes into green color after migration is successfully completed.



10. Validate Schema import

```
Type "help" for help.
ak=> \dt
No relations found.
ak=> \dn
List of schemas
  Name | Owner
-----+-----
 ak    | AX3Q3Bs0_aksche
public | AX3Q3Bs0_aksche
(2 rows)

ak=> set search_path='ak';
SET
ak=> \dt
List of relations
 Schema | Name | Type | Owner
-----+-----+-----+-----
 ak     | ak_attributes | table | AX3Q3Bs0_aksche
 ak     | ak_attributes_t1 | table | AX3Q3Bs0_aksche
 ak     | ak_excluded_items | table | AX3Q3Bs0_aksche
 ak     | ak_flow_page_region_items | table | AX3Q3Bs0_aksche
 ak     | ak_flow_page_regions | table | AX3Q3Bs0_aksche
 ak     | ak_flow_pages | table | AX3Q3Bs0_aksche
 ak     | ak_flow_pages_t1 | table | AX3Q3Bs0_aksche
 ak     | ak_flow_region_relations | table | AX3Q3Bs0_aksche
 ak     | ak_flows | table | AX3Q3Bs0_aksche
 ak     | ak_flows_t1 | table | AX3Q3Bs0_aksche
 ak     | ak_foreign_key_columns | table | AX3Q3Bs0_aksche
 ak     | ak_foreign_keys | table | AX3Q3Bs0_aksche
 ak     | ak_foreign_keys_t1 | table | AX3Q3Bs0_aksche
 ak     | ak_inst_attribute_values | table | AX3Q3Bs0_aksche
 ak     | ak_loader_temp | table | AX3Q3Bs0_aksche
 ak     | ak_lookup_codes | table | AX3Q3Bs0_aksche
 ak     | ak_multiorg_validation_temp | table | AX3Q3Bs0_aksche
 ak     | ak_object_attribute_navigation | table | AX3Q3Bs0_aksche
```