
AUTOMATION ANYWHERE ENTERPRISE 11 LTS

Migration - User Guide

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Migration - an overview

Use the **Migration** page to migrate data from a previous Control Room version 10.x to the current version - 11 LTS. You should be a Control Room administrator with **View and Manage Migration** permission to be able to use the migration tool - Migration wizard. The wizard can be launched anywhere in a browser from Control Room version 11 LTS.

You can use the tool to migrate data either on the basis of **Roles** or **Users** in phases depending on your business requirements. Dependent data such as licenses, credentials, bots, and schedules are also migrated automatically when you migrate roles or users.

Prerequisites

To ascertain whether you can initiate migration of data, ensure the following prerequisites are met:

1. You should have
 - a. Access to Control Room v10.x* repository path via a shared drive
 - b. Credentials to connect to Control Room v10.x* SQL database
 - c. Master key to connect to Credential Vault of Control Room v10.x*
 - d. Credentials to connect to Bot Insight SQL database (applicable only if using Bot Insight with Control Room v10.x*)
 - e. URL of Bot Insight meta-data database
2. A new infrastructure (that is separate from 10.x* environment) with Automation Anywhere Enterprise v11.1 already installed
3. It is recommended that you backup,
 - Control Room v10.x* SQL database
 - Control Room v10.x* shared repository
 - Control Room v10.x* SVN database (if applicable)
 - Bot Insight SQL database (if applicable)
 - Bot Insight meta-data database (if applicable)
4. It is recommended that if a migration is already in progress, you do not initiate another migration process.

** Includes Automation Anywhere Enterprise 10 LTS, 10 SP2, and hot-fixes with these as base version. Refer Installation Guide of particular versions on how to install.*

Important Considerations

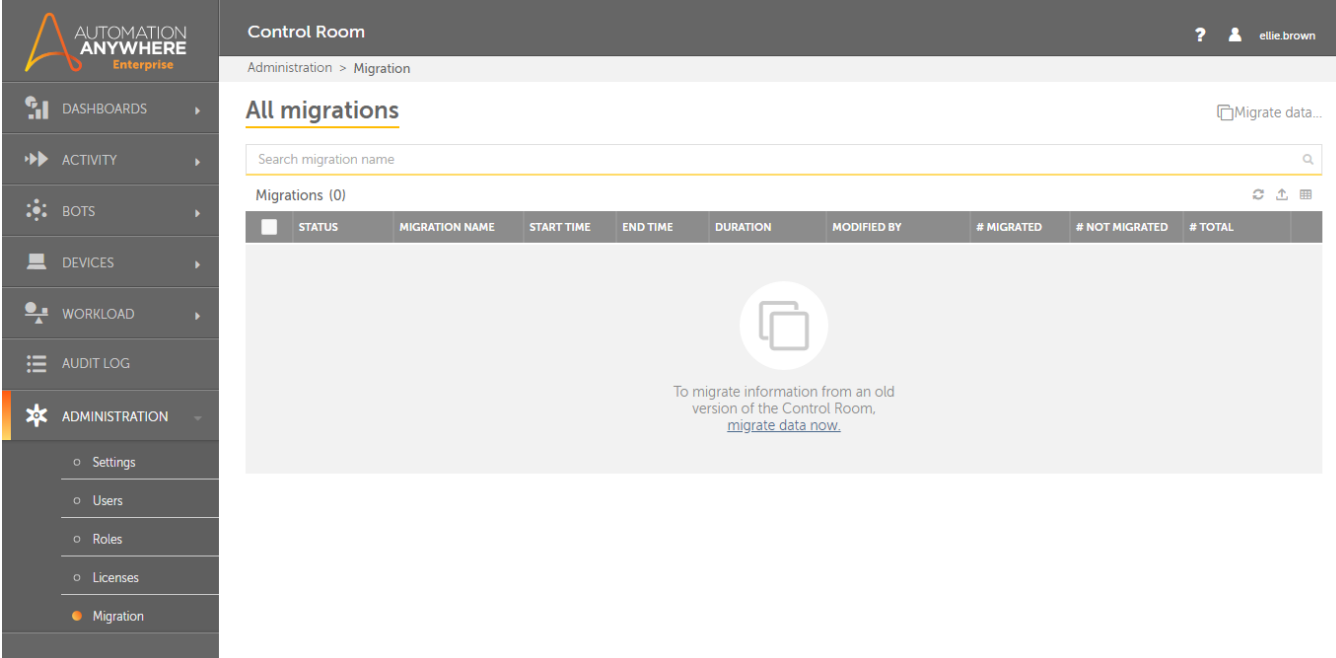
1. The Automation Anywhere Enterprise 10.x environment should be strictly controlled and monitored once the migration process is initiated. Hence, it is recommended that you,
 - Do not,
 - a. Create users, roles, and permissions
 - b. Create and upload any meta data. For example, new automation bots
 - c. Create new schedules
 - d. Check out bots (if version control is enabled)
 - Schedule and deploy only on demand bots.
 2. If you are using a version less than 10 LTS, you should first migrate to 10 LTS using the 10 LTS Migration Utility and then migrate from 10 LTS to 11 LTS.
- Note:** The hot fixes on 10 LTS are supported for migration to 11 LTS.
3. You cannot migrate from Automation Anywhere Enterprise version 9.x. For this you should first migrate to 10 LTS. Refer AAE 10 LTS Installation Guide and AAE 10 LTS Data Migration Utility Guide.
 4. Migrating data from 11 GA (11.0) to 11 LTS is NOT supported
 5. Migration of data includes,
 - a. Repository data
 - b. Meta-data available in database
 - c. Users, roles, licenses, and permissions

- d. Automation schedules
 - e. System defined credentials
 - f. Application settings
 - g. Automation bots with version history if applicable
 - h. Bot Insight data
6. Migration of data excludes,
- a. Devices/Clients
 - b. Audit logs
 - c. License information of source Control Room
 - d. User defined credentials
 - e. Version Control Settings
 - f. Schedule history
7. If Version Control is enabled in 10.x Control Room then you must enable the same in 11 LTS Control Room manually since the settings for Version Control is not migrated. It is mandatory to use a fresh SVN database for 11 LTS which is different than 10.x SVN database.
8. Ensure the SQL database service is running during the migration process.
9. Data from source Control Room configured for one user type cannot be migrated to destination Control Room configured for another user type. For example, data for Control Room configured for Active Directory cannot be migrated to Control Room with either Non Active Directory or Single Sign On users.
10. Migration of SAML configuration data is NOT supported.

Refer the article on [Frequently asked questions \(FAQs\)](#) for other details.

Role-based access to Migration tool

You can access the migration tool from **Administration** → **Migration** page as illustrated:



Note: Only a Control Room admin can access the Migration page as the admin user is granted View and Manage Migration permission. Refer [Create a role](#) for details.

For ease of access, you can search the entries based on the unique **Migration Name**




The following describes the list of items that can be viewed in the table:

Table Item	Description
Status	Shows the status of the saved migration - successful or unsuccessful
Migration Name	Shows the name of the migration for the corresponding migration run i.e. <timestamp>.<username>
Start Time	Shows the time and date when the migration process began
End Time	Shows the time and date when the migration process ended
Duration	Shows the time it took for the migration to run
Modified by	Shows name of the user who initiated the migration i.e. name of the Control Room administrator
# Migrated	Shows the number of entities that were migrated successfully
# Not Migrated	Shows the number of entities that failed to migrate
# Total	Shows the total number of entities that were attempted for migration




Tip: You can perform the following actions on a table column:

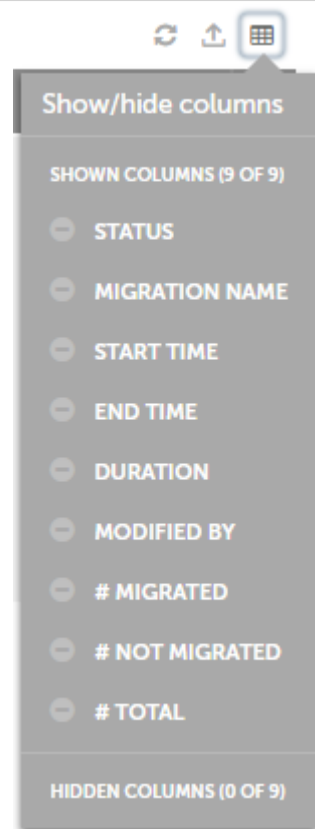
- Click a column to sort it in ascending and descending order. You can sort up to three columns by holding the Shift key when you click on two more columns. This gives you the option of sorting two additional columns. This way the sorting is done on the entire table and not just the data that is currently visible to you. The last sorting is stored in memory applied by a user per session.
- Use a drag-and-drop operation to move the column left or right
- Move your mouse cursor at the end of the column and drag to re-size


The following describes the tasks that you can perform on an individual migration:

Table Item	Description
 View details	Allows you to view details of the selected migration run

At table level you can perform the following actions:

Table Item	Description
 Refresh	Allows you to refresh the table contents so that you can view the latest migration status
 Export to CSV	Allows you to export the selected data to a csv file. You can export data based on: <ul style="list-style-type: none"> • Filters • Selection
 Show / Hide columns	Allows you to show or hide specific columns. By default, all columns are displayed:



 Tip: To **hide** a column, click on the column name.

Migrating Data

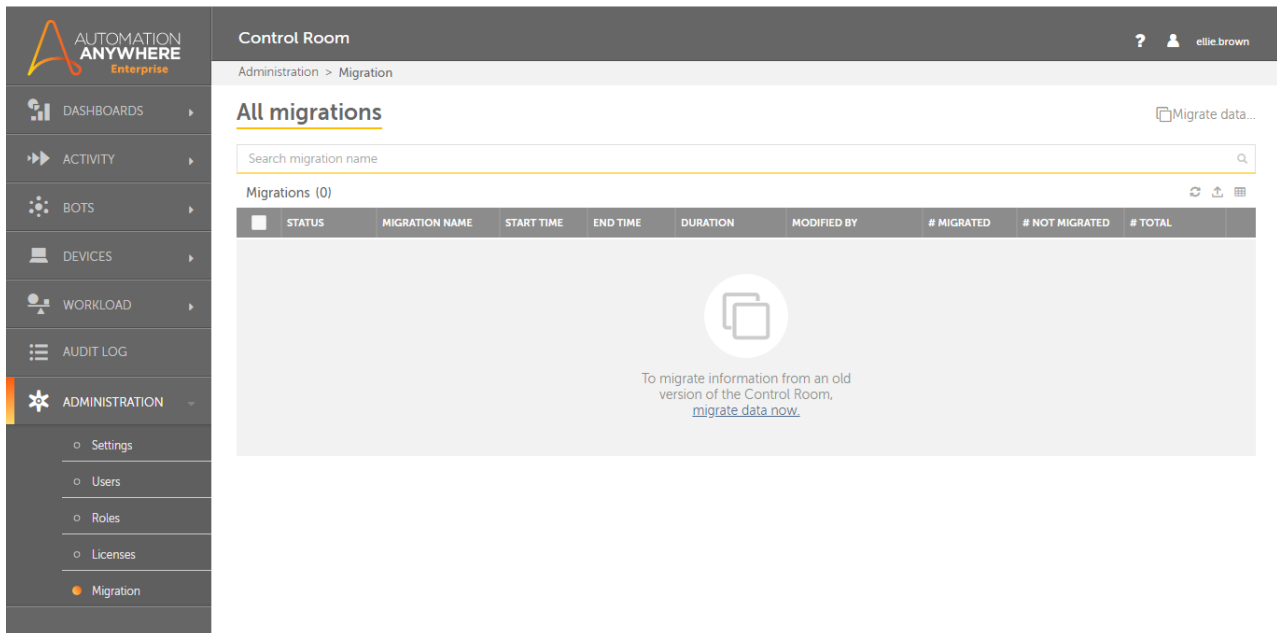
To migrate data, first ensure following preconditions are met,

1. Control Room 11 LTS must be installed
2. First Control Room Admin user is created
3. Credential Vault is configured
4. Control Room 11 LTS license is installed.
5. If using Version Control, the Version Control Settings should be configured under Administration → Settings. Refer [Control Room settings](#) for details.
6. If using Windows Authentication to connect to source database, the user who is configured to run all destination Control Room Windows Services has access on source database.
7. If using Secure Connection, the source Control Room certificates is imported to the Java trust store. To import the certificate,
 - a. Run command prompt in administrator mode
 - b. Go to the AAE installation path - for example, C:\Program Files\Automation Anywhere\Enterprise
 - c. Type or paste the following command at the prompt:

```
jre\bin\java -jar certmgr.jar -appDir "C:\Program Files\Automation Anywhere\Enterprise" -importTrustCert "<Certificate Path>"
```

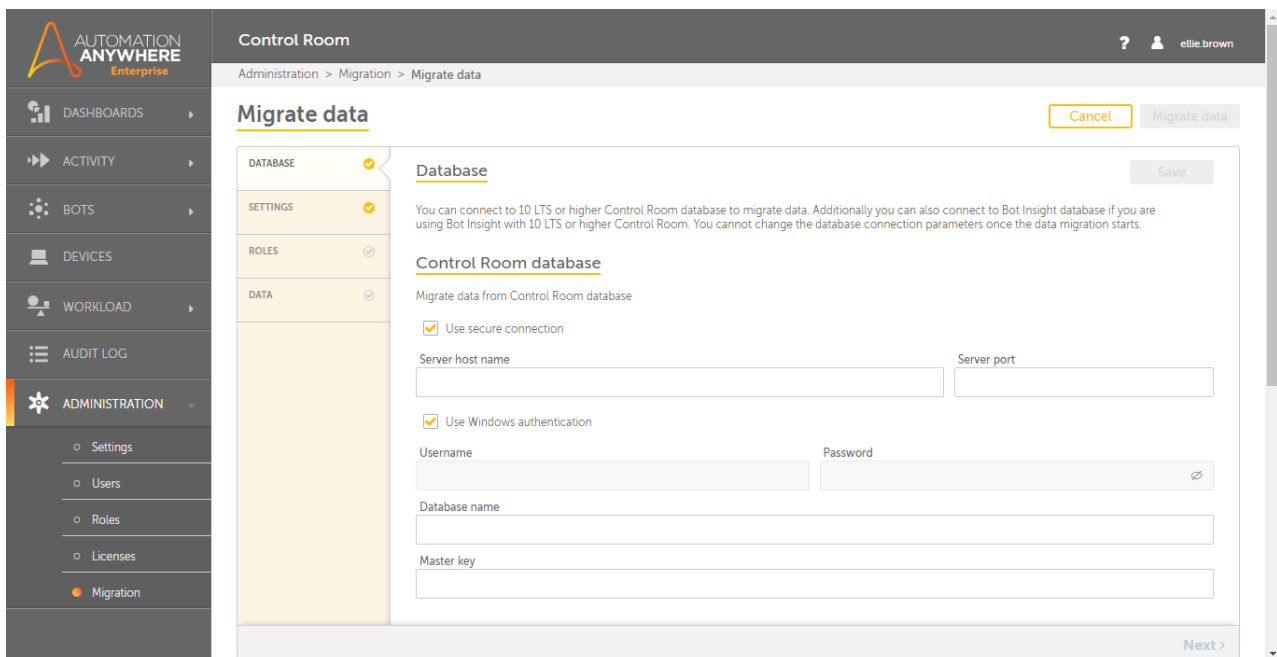
Once the above is done, follow below steps to start the migration process:

1. Launch the 11 LTS Control Room
2. Login using your first admin credentials
3. Go to **Administration** → **Migration** tab
4. Click  **Migrate data...** available above the **Migrations** table or the **Migrate data now** link in the **Migrations** table.



Note: The migrate data now link is visible only if no migration process has been done.

5. The Migration wizard is launched

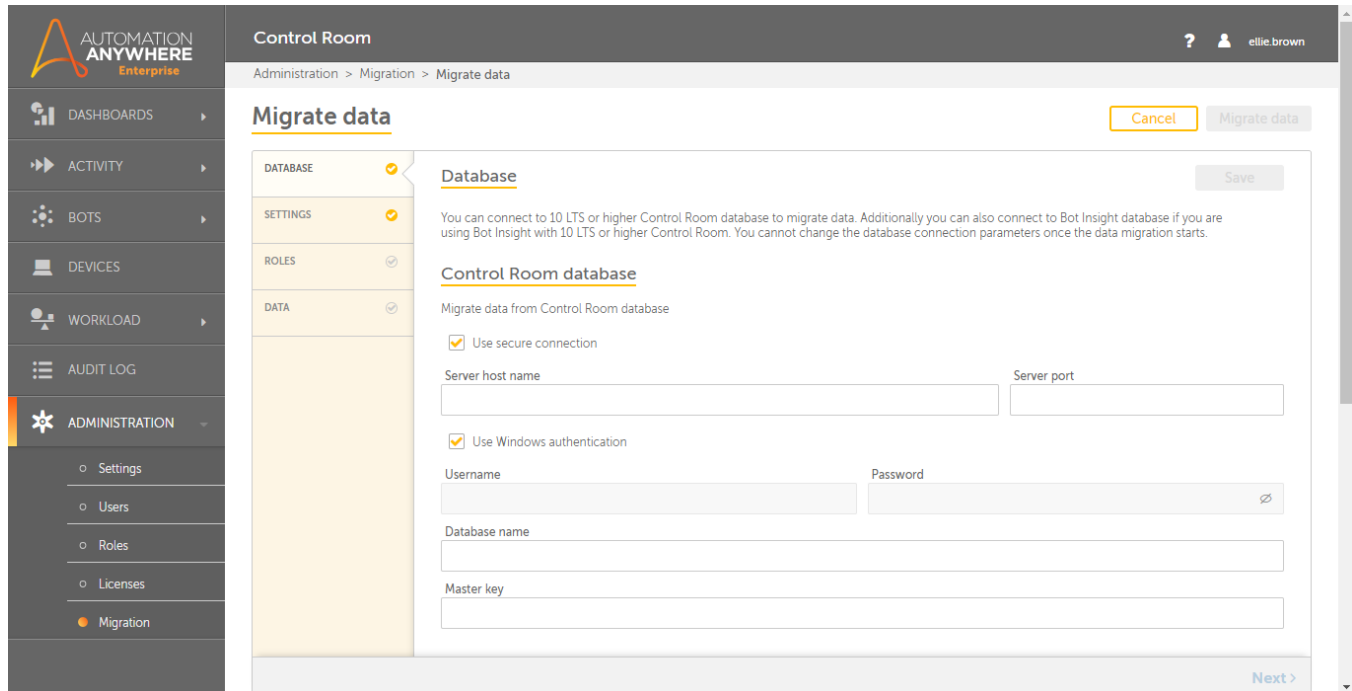


6. The Migration wizard comprises of following tabs,

1. [Database](#)
2. [Settings](#)
3. [Roles/Users](#)
4. [Data](#)

Migration wizard

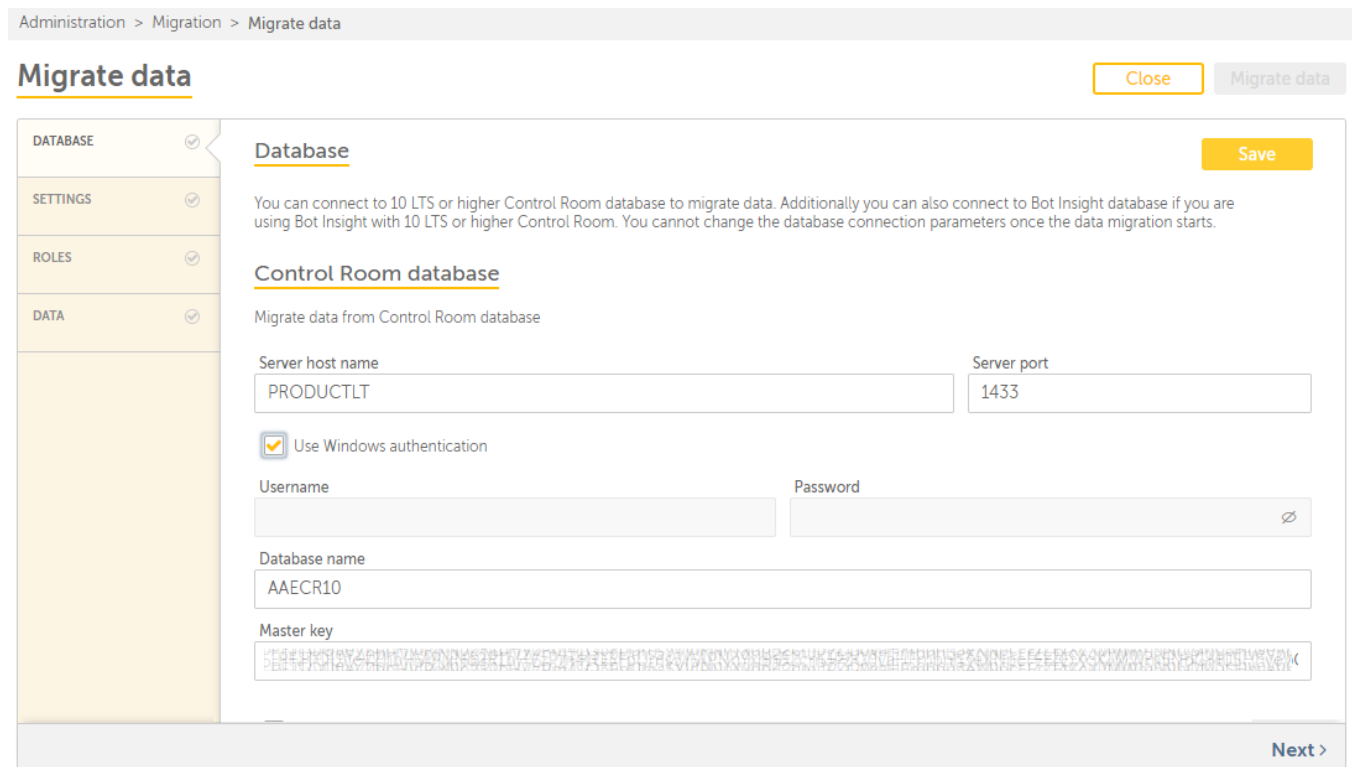
As a Control Room administrator with **View and Manage Migration** privileges you can use the **Migrate data** wizard to migrate data from Automation Anywhere Enterprise v10.x to v11.1 in a systematic and phased manner.



Database

The system allows you to connect to the source Control Room and migrate data from the source database to the destination Control Room database. You can also migrate your Bot Insight data if it is installed in the source Control Room.

Control Room database



To migrate Control Room database from 10.x, you must first connect to 10.x source Control Room and follow the steps given below:

1. Keep the **Use secure connection** selected if the SQL instance hosting 10.x Control Room database is configured with a secure connection. Clear this if the source SQL Server is not configured with secure connection.
2. Provide the **host name** and **port** number of the SQL Server where v10.x Control Room database is hosted. For example, PRODUCTLT and 1433
3. Keep the **Use Windows authentication** selected if the source SQL Server is configured using Windows authentication. Alternatively, **clear** the option and provide **Username** and **Password** if SQL Server is configured with SQL authentication.
4. Type the source Control Room database name. For example, AAECR10
5. Copy the source Control Room master key and paste it in the **Master key** field. This allows you to connect to the credential vault of the source Control Room. This is shown encrypted once you save the migration process.
6. Click **Save** at this juncture if you do not want to migrate Bot Insight database and move on to the next step of migrating data.

Tip: You can **Close** the page if you do not provide any data or **Cancel** if you want to go back to the Migration page without saving the data.

Note: You can change the **Database** connection settings until the migration process is started. The database tab is disabled once the process starts.

7. Click **Next >**

Bot Insight Database

Applicable only if Bot Insight is installed on source Control Room 10.x

Administration > Migration > Migrate data

☒ Connect to 10.x Bot Insight SQL Database

Bot Insight database
 Migrate data from Bot Insight database

☒ Use secure connection

Server host name

PRODUCTLT

Server port

8091

☒ Use Windows authentication

Username

Password

Database name

BotInsight

Bot Insight metadata

Server url

http://productlt.aae.com:82

Next >

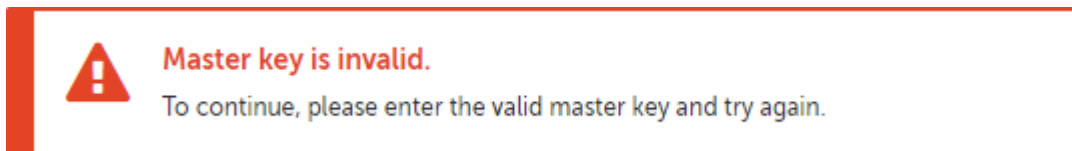
To migrate data from source Bot Insight database,

1. Select **Connect to 10.x Bot Insight SQL Database**. This enables all other fields for Bot Insight database connection.
2. Keep the **Use secure connection** selected if the SQL instance hosting 10.x Bot Insight database is configured with a secure connection. Clear this if the source SQL Server is not configured with secure connection.
3. Provide the **host name** and **port** number of the SQL Server where v10.x Bot Insight database is hosted. For example, PRODUCTLT and 8091

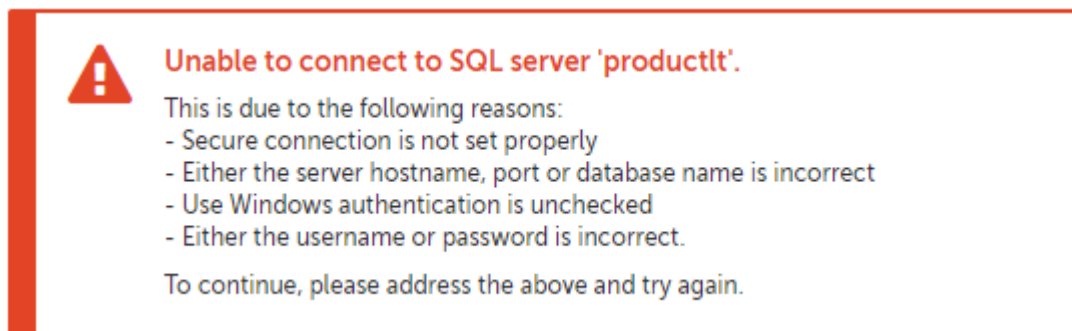
4. Keep the **Use Windows authentication** selected if the source SQL Server is configured using Windows authentication. Alternatively, **clear** the option and provide **Username** and **Password** if SQL Server is configured with SQL authentication.
5. Type the source Control Room Bot Insight database name. For example, BOTINSIGHT10
6. Type the Server URL where Bot Insight Visualization Server Port is configured. For example, http://productltt.aae.com:82/analytics
7. Click **Save** to connect to the database. When the connection is established, you can move to the next step.
8. Click **Next >** to select migration of data based on roles or users.

Errors

1. If the master key is invalid, you are shown:



2. If a connection could not be established, you are shown:



Settings

You can choose to migrate data from your source Control Room based on roles or users in the **Settings** page. Though it is possible to migrate entire data at one go, this method is not recommended. Hence, you can migrate selected data in different phases.

Administration > Migration > Migrate data

Migrate data

Cancel

Migrate data

DATABASE	✓	<p>Migration settings</p> <p>You can migrate data from a Control Room 10 LTS or higher version based on roles or users. All associated data will migrate automatically. You can migrate as many or as few items as you like and return to migrate more another time.</p> <p>How you want to choose data to migrate?</p> <p>Migrate</p> <p><input checked="" type="radio"/> Roles and associated data</p> <p><input type="radio"/> Users and associated data</p>
SETTINGS	✓	
ROLES	✓	
DATA	✓	

< Back Next >

Migration of data can be done using two options,

1. Migrate data based on **Roles**. This option allows you to migrate selected roles data from source Control Room database. When you migrate the roles, data associated with those roles such as users, license, bots, credentials, and schedules are also migrated.
2. Migrate data based on **Users**. This option allows you to migrate selected user data from source Control Room database. When you migrate the users, data associated with those users such as roles, license, bots, credentials, and schedules are also migrated.

Tip:

- It is recommended that you migrate data using **Roles** as on migrating roles all users associated with that role are migrated along with related data such as its bots, folder access permissions, schedules, and information regarding the user who created the bot.
- If you migrate data using **Users**, the Roles that are NOT associated with any User might not be migrated. Similarly, the Schedules that are associated with the Users that were NOT selected for migration shall not be migrated.

Click **Next >** once you select an option.

- When you select **Roles and associated data** and click **Next >**, the **Roles** page is displayed. This option is selected by default.
- When you select **Users and associated data** and click **Next >**, the **Users** page is displayed
- You can switch between the two options. Use **Cancel** if you have not made any updates or click **< Back** to return to the previous page.

Roles

The Roles page allows you to migrate all or only selected roles from source to destination Control Room. When you select roles, other related data such as license, users, credentials, and schedules are also migrated. This tab is shown only if you select **Roles and associated data** in **Settings** tab.

Tip: For ease of access, you can search for role names to migrate.

Administration > Migration > Migrate data

Migrate data

Cancel **Migrate data**

DATABASE ☒

SETTINGS ☒

ROLES ☒

DATA ☒

Select one or more roles to migrate

All data related to the roles, such as users, credentials, schedules, etc, also will be migrated.

Search role name

Available roles (17 of 17)

<input type="checkbox"/>	ROLE NAME ↑
<input type="checkbox"/>	Bot-Creator
<input type="checkbox"/>	Bot-Manager
<input type="checkbox"/>	Bot-Runner
<input type="checkbox"/>	BotAgentUser
<input type="checkbox"/>	BotFarmAdmin
<input type="checkbox"/>	Credential-Manager

Selected (0)

<input type="checkbox"/>	ROLE NAME ↑
--------------------------	-------------

→

←

< Back **Next >**

Select Roles

1. In the **Available roles** list, select the check-box beside **Role Name** if you want to select all roles. Alternatively, select each role from the list of roles.

Note: The **Available roles** display all roles - both system and user defined that exist in 10.x CR database.

2. Click **→**

3. The roles are added to the **Selected** list.

Administration > Migration > Migrate data

Migrate data

[Cancel](#) [Migrate data](#)

DATABASE ✓

SETTINGS ✓

ROLES ✓

DATA ✓

Select one or more roles to migrate

All data related to the roles, such as users, credentials, schedules, etc, also will be migrated.

Search role name

Available roles (3 of 17)

<input type="checkbox"/>	ROLE NAME ↑
<input type="checkbox"/>	IQBotServices
<input type="checkbox"/>	IQBotValidator
<input type="checkbox"/>	User-Management

Selected (14)

<input type="checkbox"/>	ROLE NAME ↑
<input type="checkbox"/>	Admin
<input type="checkbox"/>	AnalyticsConsumers
<input type="checkbox"/>	AnalyticsExperts
<input type="checkbox"/>	Basic
<input type="checkbox"/>	Bot-Creator
<input type="checkbox"/>	Bot-Manager

< Back Next >

4. Click **Next >** to go to **Data** page

Migration behavior - roles

- The system defined roles from source 10.x Control Room are mapped to the destination 11 LTS Control Room
- Similarly, user permissions from source 10.x Control Room are mapped to the destination 11 LTS Control Room
- Roles that have any of the Upload, Download or Delete permissions, are granted Run/Schedule permission by default on migration
- User defined roles with same name will have **_1** suffixed to its name. For example, If a role **Bot_Manager** is available in both versions of the Control Room, the 10.x Control Room role will be created as a new role with the name **Bot_Manager_1**
- For next migration run, the **Available roles** list will display all roles irrespective whether they are migrated or not

Users

The Users page allows you to migrate all or only selected users from source to destination Control Room. When you select users, other related data such as license, roles, credentials, bots, and schedules are also migrated. This tab is shown only if you select **Users and associated data** in **Settings** tab.

Tip: For ease of access, you can search on user names for migration.

Migrate data

Cancel

Migrate data

DATABASE

SETTINGS

USERS

DATA

Select one or more users to migrate

All data related to the users, such as roles, credentials, schedules, etc, also will be migrated.

Search user name

Available users (13 of 13)

<input type="checkbox"/>	USER NAME ↑
<input type="checkbox"/>	Admin
<input type="checkbox"/>	Agatha.Christi
<input type="checkbox"/>	Amy.Chen
<input type="checkbox"/>	Charles.Dickens
<input type="checkbox"/>	Ellie.Brown
<input type="checkbox"/>	Enid.Blyton

→
←

Selected (0)

<input type="checkbox"/>	USER NAME ↑
--------------------------	-------------

< Back
Next >

- In the **Available users** list, select the check-box beside **User Name** if you want to select all users. Alternatively, select each user from the list of users.

- Click 

- The users are added to the **Selected** list.

Migrate data

Cancel

Migrate data

DATABASE

SETTINGS

USERS

DATA

Select one or more users to migrate

All data related to the users, such as roles, credentials, schedules, etc, also will be migrated.

Search user name

Available users (7 of 13)

<input type="checkbox"/>	USER NAME ↑
<input type="checkbox"/>	Admin
<input type="checkbox"/>	Jason.Goodman
<input type="checkbox"/>	John.Green
<input type="checkbox"/>	Mark.Twain
<input type="checkbox"/>	Mike.Lee
<input type="checkbox"/>	Oliver.Twist

→
←

Selected (6)

<input type="checkbox"/>	USER NAME ↑
<input type="checkbox"/>	Agatha.Christi
<input type="checkbox"/>	Amy.Chen
<input type="checkbox"/>	Charles.Dickens
<input type="checkbox"/>	Ellie.Brown
<input type="checkbox"/>	Enid.Blyton
<input type="checkbox"/>	Harper.Lee

< Back
Next >

- Click **Next >** to go to **Data** page

Migration behavior - users

- Users with same name will have **_1** suffixed to its name. For example, If a user **Mike_Lee** is available in both versions of the Control Room, the 10.x Control Room role will be created as a new user with the name **Mike_Lee_1**. However for Active Directory users, if the domain user with same name already exists in the destination Control Room, then such users and their dependencies are skipped during migration.
- For next migration run, the **Available users** list will display all users irrespective whether they are migrated or not
- Deleted users shall not be migrated

Migration - View Data

You should now verify whether the data that you selected is ready for migration. The data not only includes the Roles and/or Users that were selected, but also dependent or associated data such as Bots, Schedules, and Credentials if any.

1. The **Roles** tab is displayed first wherein you can verify the roles that you selected are available for migration:

Administration > Migration > Migrate data

Migrate data

Cancel

Migrate data

DATABASE ☒

SETTINGS ☒

USERS ☒

DATA ☒

Review associated data that will be migrated (optional)

The data below is associated with the users that you chose and so will also be migrated.

ROLES

USERS

BOTS

SCHEDULES

CREDENTIALS

Roles (7)

NAME
IQBotValidator
AnalyticsExperts
AnalyticsConsumers
IQBotServices
Bot-Creator
Finance-Manager

< Back

2. Verify the **Users** are available for migration. These could either be the ones that you selected or the ones that were included based on roles that you selected:

Migrate data

Cancel

Migrate data

DATABASE	✓
SETTINGS	✓
USERS	✓
DATA	✓

Review associated data that will be migrated (optional)

The data below is associated with the users that you chose and so will also be migrated.

ROLES
 USERS
 BOTS
 SCHEDULES
 CREDENTIALS

Users (6)

NAME
Ellie.Brown
Amy.Chen
Harper.Lee
Charles.Dickens
Enid.Blyton
Agatha.Christi

[< Back](#)

3. Verify the **Bots** are available for migration.

Migrate data

Cancel

Migrate data

DATABASE	✓
SETTINGS	✓
ROLES	✓
DATA	✓

Review associated data that will be migrated (optional)

The data below is associated with the roles that you chose and so will also be migrated.

ROLES
 USERS
 BOTS
 SCHEDULES
 CREDENTIALS

NAME

Automation Anywhere\My Tasks\200MB\5MB - Copy (131) - Copy.atmx
Automation Anywhere\My Tasks\SST\Securities\IWF07\SS_CBP.atmx
Automation Anywhere\My Tasks\SST\Securities\TradeProcessing\SS_LoadingAccounting.atmx
Automation Anywhere\My Tasks\Biggest folder1\Sample_CreateExeDependencyTest - Copy.atmx
Automation Anywhere\My Tasks\Biggest folder1\44 - Copy.atmx
Automation Anywhere\My Tasks\Biggest folder1\Master Test - Copy - Copy (2) - Copy.atmx

[< Back](#)

Note: Migration of Bots is based on the User role as well as the folder permission granted to that user. Hence Bots that correspond to that folder are displayed.

4. Verify the **Schedules** associated with the Bots are available for migration:

Administration > Migration > Migrate data

Migrate data

Cancel Migrate data

DATABASE	✓
SETTINGS	✓
ROLES	✓
DATA	✓

Review associated data that will be migrated (optional)

The data below is associated with the roles that you chose and so will also be migrated.

ROLES USERS BOTS **SCHEDULES** CREDENTIALS

NAME
Weekly_Everyday_Files_Folders.atmx
Weekly_Everyday_Files_Folders.atmx_Mon
Weekly_Everyday_Files_Folders.atmx_Tue
Weekly_Everyday_Files_Folders.atmx_Wed
Weekly_Everyday_Files_Folders.atmx_Thu
Weekly_Everyday_Files_Folders.atmx_Fri

< Back

5. Verify the system **Credentials** associated with the Users are available for migration:

Administration > Migration > Migrate data

Migrate data

Cancel Migrate data

DATABASE	✓
SETTINGS	✓
ROLES	✓
DATA	✓

Review associated data that will be migrated (optional)

The data below is associated with the roles that you chose and so will also be migrated.

ROLES USERS BOTS SCHEDULES **CREDENTIALS**

Credentials (4)

NAME
Amy.Chen - EmailSettings
Harper.Lee - LoginSettings
Amy.Chen - EmailSettings
Harper.Lee - LoginSettings

< Back

6. Click **Migrate data**

7. Confirm:

Confirm Migration

Are you sure you want to migrate these associated data?

No, cancel Yes, migrate

8. You can view the progress as shown:

Administration > Migration > View migration

2018.04.11.06.31.57.admin [< Back](#)

MIGRATION DETAILS		
Migration name 2018.04.11.06.31.57.admin	Start time 12:01:57 IST 2018-04-11	End time N/A

MIGRATION PROGRESS INDICATOR		
<p>✖ 27 user migration failed</p> <p>✔ 185 user(s) migrated successfully</p> <p>⚙ Migrating roles</p> <p>Bot migration pending</p> <p>Schedule migration pending</p> <p>Credential migration pending</p>		

GENERAL DETAILS		
Last modified 12:01:57 IST 2018-04-11	Modified by admin	Object type Migration

9. Once the migration process finishes, the status of data is shown in separate tabs:

- a. The following illustrates a **Roles** tab with the Status, Name, and Reason for each data:

Administration > Migration > View migration

2018.04.27.15.44.28.ellie.brown [< Back](#)

MIGRATION DETAILS		
Migration name 2018.04.27.15.44.28.ellie.brown	Start time 15:44:28 IST 2018-04-27	End time 15:45:05 IST 2018-04-27

ROLES | USERS | BOTS | SCHEDULES | CREDENTIALS

Roles (7)

STATUS	NAME	REASON
Success	IQBotValidator	--
Success	AnalyticsExperts	--
Success	AnalyticsConsumers	--
Success	IQBotServices	--
Success	Bot-Creator	This role is already migrated.
Success	Finance-Manager	--
Success	Product-Management	--

GENERAL DETAILS		
Last modified 15:45:05 IST 2018-04-27	Modified by ellie.brown	Object type Migration

- b. The following illustrates a **Users** tab with the Status, Name, and Reason for each data:

Administration > Migration > View migration

2018.04.27.15.44.28.ellie.brown [< Back](#)

MIGRATION DETAILS		
Migration name 2018.04.27.15.44.28.ellie.brown	Start time 15:44:28 IST 2018-04-27	End time 15:45:05 IST 2018-04-27

ROLES USERS BOTS SCHEDULES CREDENTIALS

Users (6)

STATUS	NAME	REASON
Success	Ellie Brown	This user is already migrated.
Success	amy.chen_1	--
Success	harper.lee	--
Success	charles.dickens	--
Success	enid.blyton	--
Success	agatha.christi	--

GENERAL DETAILS		
Last modified 15:45:05 IST 2018-04-27	Modified by ellie.brown	Object type Migration

- c. The following illustrates a **Bots** tab with the Status, Name, and Reason for each data:

Administration > Migration > View migration

2018.04.19.12.14.09.ellie.brown [< Back](#)

MIGRATION DETAILS		
Migration name 2018.04.19.12.14.09.ellie.brown	Start time 12:14:10 IST 2018-04-19	End time 12:14:12 IST 2018-04-19

ROLES USERS BOTS SCHEDULES CREDENTIALS

Bots (7)

STATUS	NAME	REASON
Success	Automation Anywhere\My Tasks\Sample Tasks\Variables.at...	--
Success	Automation Anywhere\My Tasks\Sample Tasks\Prompt.atmx	--
Success	Automation Anywhere\My Tasks\Sample Tasks\Download...	--
Success	Automation Anywhere\My Tasks\Sample Tasks\Files-Folde...	--
Success	Automation Anywhere\My Tasks\Sample Tasks\Import-Tab...	--
Success	Automation Anywhere\My Tasks\Sample Tasks\List-Variabl...	--
Failed	Automation Anywhere\My Tasks\Sample Tasks\Loops.atmx	A bot with same name on same path already exists

GENERAL DETAILS		
Last modified 15:45:05 IST 2018-04-27	Modified by ellie.brown	Object type Migration

- d. The following illustrates a **Schedules** tab with the Status, Name, and Reason for each data:

Administration > Migration > View migration

2018.04.19.12.14.09.ellie.brown [< Back](#)

MIGRATION DETAILS		
Migration name 2018.04.19.12.14.09.ellie.brown	Start time 12:14:10 IST 2018-04-19	End time 12:14:12 IST 2018-04-19

ROLES USERS BOTS **SCHEDULES** CREDENTIALS

Schedules (3)

STATUS	NAME	REASON
Success	SCH-Daily-Weekdays	--
Success	SCH-Weekly-MWF	--
Failed	SCH-Monthly-Day-5-July-Dec	User 'Rakesh' for this schedule does not exist

GENERAL DETAILS		
Last modified 12:14:12 IST 2018-04-19	Modified by ellie.brown	Object type Migration

Note: By default, all schedules are migrated as disabled. These should be activated once the migration process is finished.

- e. The following illustrates a **Credentials** tab with the Status, Name, and Reason for each data:

Administration > Migration > View migration

2018.04.19.12.14.09.ellie.brown [< Back](#)

MIGRATION DETAILS		
Migration name 2018.04.19.12.14.09.ellie.brown	Start time 12:14:10 IST 2018-04-19	End time 12:14:12 IST 2018-04-19

ROLES USERS BOTS SCHEDULES **CREDENTIALS**

Credentials (4)

STATUS	NAME	REASON
Success	Amy.Chen - EmailSettings	--
Success	Harper.Lee - LoginSettings	--
Success	Amy.Chen - EmailSettings	--
Success	Harper.Lee - LoginSettings	--

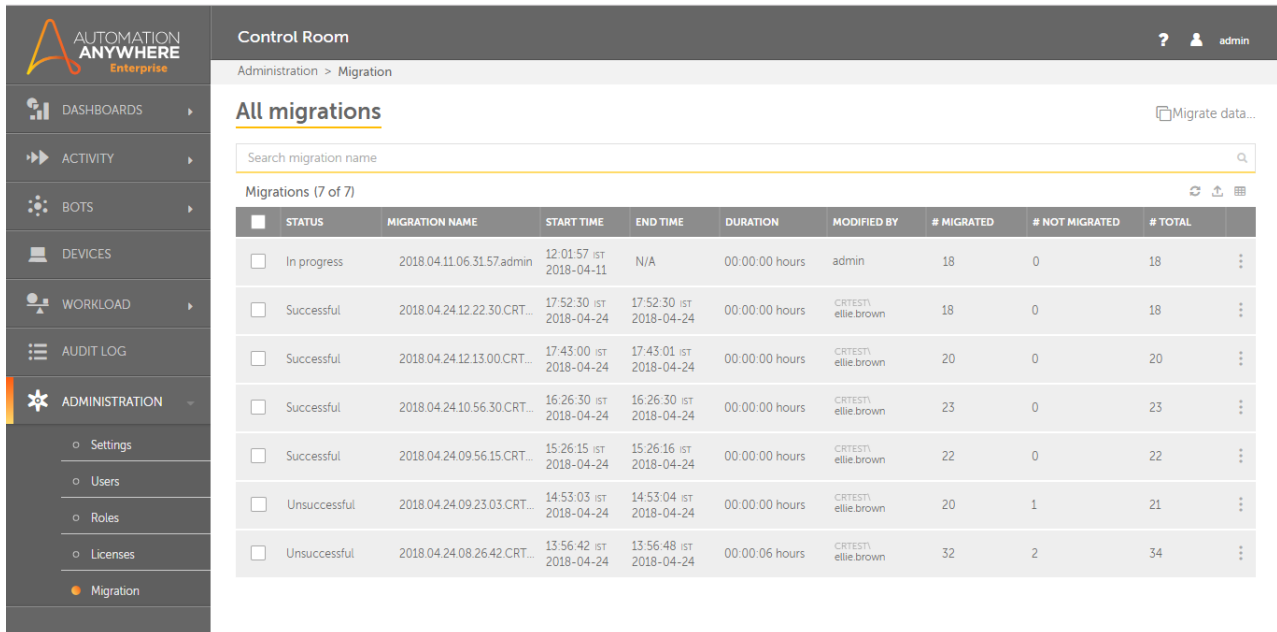
GENERAL DETAILS		
Last modified 12:14:12 IST 2018-04-19	Modified by ellie.brown	Object type Migration

- The status of an entity can either be success or failed. Status is successful if the **Not Migrated** column shows 0 (zero) and unsuccessful if it shows > 0 (more than zero).
- When the data fails to migrate, you can verify why it was not migrated in the **Reason** column. The commonly seen messages are:
 - Role <RoleName> has been renamed
 - User <UserName> has been renamed
 - This <EntityName> is already migrated.

Note: The <EntityName> is for Role, User, Bot, Schedule or Credential

- **General Details** pertaining to the process are displayed such as **Last modified** for the data and time, **Modified by** for user who initiated the migration and **Object type** for the type of action performed.

10. Once you have analyzed the migrated data, click [< Back](#) to return to the [Migration](#) page wherein the migration activity is listed with status and other details:



Control Room ? admin

Administration > Migration

All migrations

[Migrate data...](#)

Search migration name

Migrations (7 of 7)

	STATUS	MIGRATION NAME	START TIME	END TIME	DURATION	MODIFIED BY	# MIGRATED	# NOT MIGRATED	# TOTAL	
<input type="checkbox"/>	In progress	2018.04.11.06.31.57.admin	12:01:57 IST 2018-04-11	N/A	00:00:00 hours	admin	18	0	18	⋮
<input type="checkbox"/>	Successful	2018.04.24.12.22.30.CRT...	17:52:30 IST 2018-04-24	17:52:30 IST 2018-04-24	00:00:00 hours	CRTEST1 ellie.brown	18	0	18	⋮
<input type="checkbox"/>	Successful	2018.04.24.12.13.00.CRT...	17:43:00 IST 2018-04-24	17:43:01 IST 2018-04-24	00:00:00 hours	CRTEST1 ellie.brown	20	0	20	⋮
<input type="checkbox"/>	Successful	2018.04.24.10.56.30.CRT...	16:26:30 IST 2018-04-24	16:26:30 IST 2018-04-24	00:00:00 hours	CRTEST1 ellie.brown	23	0	23	⋮
<input type="checkbox"/>	Successful	2018.04.24.09.56.15.CRT...	15:26:15 IST 2018-04-24	15:26:16 IST 2018-04-24	00:00:00 hours	CRTEST1 ellie.brown	22	0	22	⋮
<input type="checkbox"/>	Unsuccessful	2018.04.24.09.23.03.CRT...	14:53:03 IST 2018-04-24	14:53:04 IST 2018-04-24	00:00:00 hours	CRTEST1 ellie.brown	20	1	21	⋮
<input type="checkbox"/>	Unsuccessful	2018.04.24.08.26.42.CRT...	13:56:42 IST 2018-04-24	13:56:48 IST 2018-04-24	00:00:06 hours	CRTEST1 ellie.brown	32	2	34	⋮

11. On successful migration, you should perform the post migration steps as summarized in the next section.

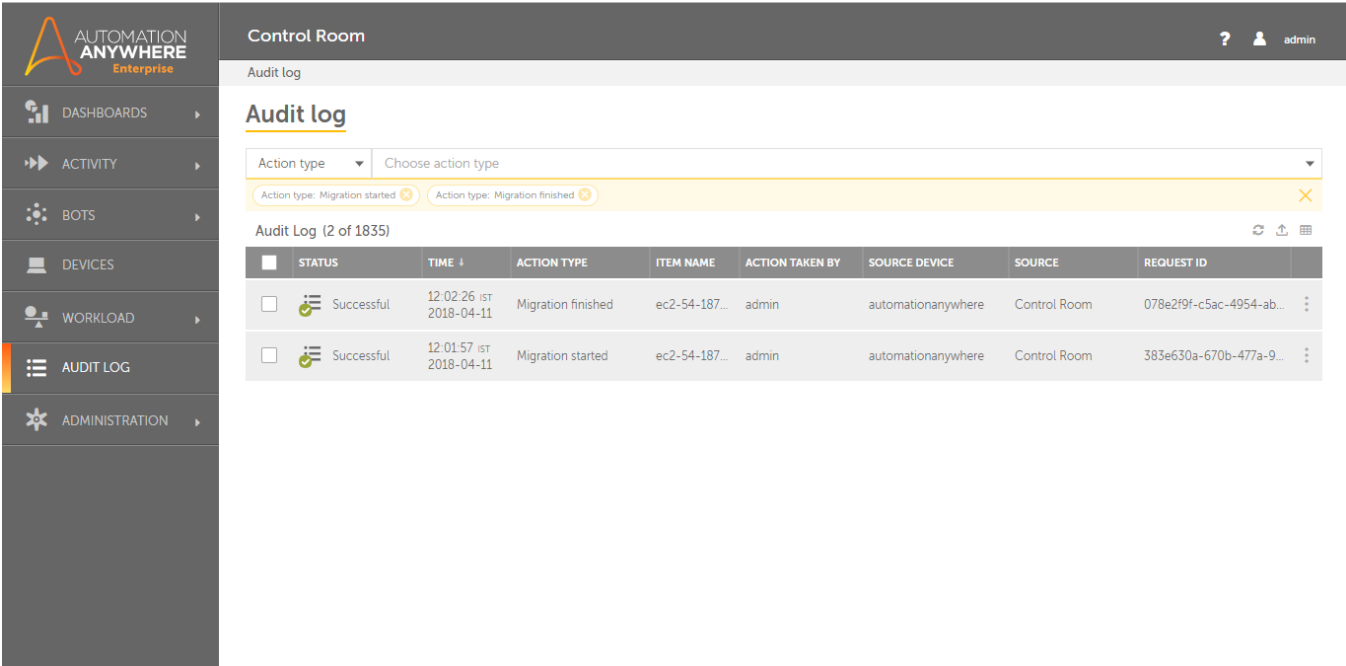
Post Migration Steps

Since all schedules are migrated as disabled by default, you should manually add the devices to the migrated schedules to activate them. You can perform the following to on-board the migrated schedules,

1. Install AAE 11 LTS Client. Refer [AAE Client Installation Guide](#) for details.
2. Register the Client devices with the migrated user. Refer [Bot creators and bot runners - an overview](#) for details.
3. Edit the schedules to add relevant devices
4. Enable the schedule.
Refer [Schedule a bot](#) for step 3 and 4.


Audit Log

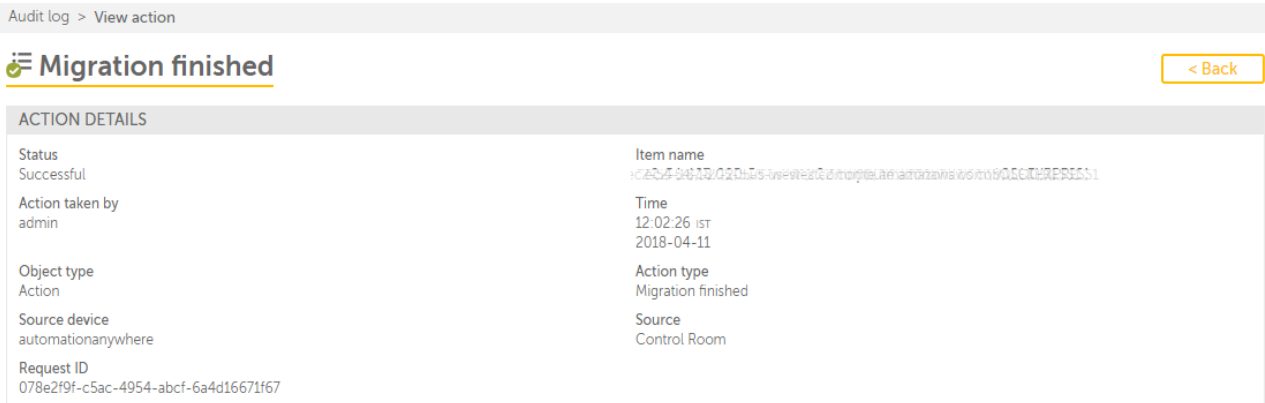
The **Audit Log** displays individual entry for each entity that is migrated.



	STATUS	TIME	ACTION TYPE	ITEM NAME	ACTION TAKEN BY	SOURCE DEVICE	SOURCE	REQUEST ID
<input type="checkbox"/>	Successful	12:02:26 IST 2018-04-11	Migration finished	ec2-54-187...	admin	automationanywhere	Control Room	078e2f9f-c5ac-4954-ab...
<input type="checkbox"/>	Successful	12:01:57 IST 2018-04-11	Migration started	ec2-54-187...	admin	automationanywhere	Control Room	383e630a-670b-477a-9...

When the migration process is initiated, a **Migration started** entry is logged in Audit log. Similarly when the migration process is completed, a **Migration finished** entry is logged. Between these two entries, migration entries are logged for each entity that is migrated such as **Create** or **Update** operation.

- Click  to view details of the process. For example, the following illustrates details of a successful migration:



ACTION DETAILS

Status	Successful	Item name	ec2-54-187... (truncated)
Action taken by	admin	Time	12:02:26 IST 2018-04-11
Object type	Action	Action type	Migration finished
Source device	automationanywhere	Source	Control Room
Request ID	078e2f9f-c5ac-4954-abcf-6a4d16671f67		

Known behavior of data migration

- Bots and Files are migrated based on user having at least one folder permission viz Upload, Download or Delete. Similarly MetaBots are migrated based on user having at least one folder permission viz Upload, Download Delete or Execute.
 - Note that 'My MetaBots' folder permissions are not propagated when a new folder is migrated in the destination Control Room.
 - If a 10.x bot to be migrated already exists in 11.x then the same will not be migrated
- If the source Control Room has Version Control enabled then
 - The version history of both the bots and its dependencies is migrated
 - The production version which is last set will be migrated
 - Locked bots and files are unlocked and then migrated to 11.x

- Client Last Modified and Modified by fields for each version of the migrated bot will be set to name of the current Control Room user running the migration process or else the Modified by field of the migrated bot is set to SYSTEM if the user referencing this field is not migrated in 11.x
3. In case of failure to migrate the Modified by field for bot(s), the field shows the name as SYSTEM in the My bots and Edit page.
 4. You can migrate only those bots and files for which you have at least one permission for a Folder - Upload, Download or Delete. Similarly, you can migrate individual Metabots for which you have at least one permission - Upload, Download, Delete or Execute.
 5. All user licenses are migrated automatically when you migrate the users. Note that license migration is not visible on the Control Room user interface.
 - If the number of licensed in destination 11 LTS Control Room are less than the ones available in source 10.x Control Room, and all are consumed in the destination Control Room, then a user might not be assigned a license.
 6. During the first migration run, the entities related to CR Settings viz. Mail Server Configuration, Email Notification, and Client Configuration are migrated automatically.
 7. All dependencies for a user or role are migrated based on the folder permissions the user has for the assigned role.
 8. On migrating a 10.x role having any of the Upload, Download or Delete permission on a folder, the role is granted Run/Schedule permission by default in 11.1.
 - All system created roles in 10.x are mapped to the corresponding 11.x roles and hence are not migrated.
 - All default permissions available in 11.x are granted to all the 10.x roles that are migrated.
 9. Password protect tasks and its schedules are not supported in 11.x and hence they cannot be migrated. These entities will be shown as Failed in the migration history details page
 10. When migrating users, the following entities are automatically migrated,
 - License assigned to the user
 - System-defined Credentials related to Auto-login and Email Settings that are set in AAE 10.x Client by the user

A license migration for the user may fail if the destination Control Room does not have sufficient user licenses. If a user or role already exists in 11.x then on migrating such user or role, they will be renamed with suffix _1 added to their name. The existing entity will not be modified in 11.x. Deleted users in 10.x will not be migrated to 11.x.
 11. If a schedule has some manual dependencies added in 10.x then they will not be migrated. Post migration the user will have to edit the TaskBot and add these manual dependencies as references and upload it to Control Room
 12. When migrating a bot and its schedule, if the user who created the schedule is not migrated in 11.x then such schedules will not be migrated. If an entity viz. role, user, bot or schedule is migrated once then it will be available for next migration run however they will not be migrated again and the migration history detail page will show their status as Success and Reason as already migrated.
 13. Schedules that are password protected are also not migrated.
 14. Dashboard bookmarks are also not migrated. You will have to recreate those.

Migration - FAQs

1. What is the recommended migration strategy?
 - You can migrate data from source Control Room (version 10.x) to destination Control Room (version 11 LTS) in phases using the web based Migration wizard available in the Control Room for a user with Manage migration permission.
 - You can choose to either migrate Roles or Users from source to destination based on which all associated entities shall also be migrated automatically.
 - It is recommended that you migrate data using **Roles** as on migrating roles all users associated with that role are migrated along with related data such as its bots, folder access permissions, schedules, and information regarding the user who created the bot.
2. Are the AAE 10.x Bots compatible with 11 LTS Control Room? Can those be migrated?
 - To ensure the AAE 10.x Bots are compatible, you need to migrate them to 11 LTS Control Room. If you are using AAE 10.2, you should first migrate to either AAE 10 LTS or AAE 10 SP2 using the AAE Migration utility.
3. Are MetaBots created in AAE 10.2 or less compatible? Can those be migrated?
 - If you are using AAE 10.2 or a lower version, you should first migrate to either AAE 10 LTS or AAE 10 SP2 using the AAE Migration Utility to ensure your MetaBots are compatible.
4. Is Database migration required during platform upgrade?
 - Database migration can be done post the platform upgrade.
5. Is version history available once the data is migrated?
 - Yes, the version history is available. However note that you need to configure Version Control in destination Control Room manually as the source 10.x Version Control settings are not migrated. Also, the SVN repository should be different in both - source and destination Control Rooms.
6. Are credential variables and audit log entries migrated?
 - Only system credentials are migrated. The audit logs although migrated, are not available on the destination Control Room user interface.
7. If existing AAE 10.2 database or backup of AAE 10.2 database is used for AAE 11 LTS during setup, would there be challenges for AD mode setup specially when SSO with SAML 2.0 needs to be integrated?
 - You should create a new unused database for AAE 11 LTS. You cannot use the AAE 10.2 database for AAE 11 LTS. To ensure the data from this version is available, you should first migrate to either AAE 10 LTS or AAE 10 SP2 using the desktop migration utility. Thereon you can migrate your data to AAE 11 LTS.
8. Can schedules from the source Control Room that has version control enabled be migrated to the destination Control Room that does not have version control enabled? or the other way round?
 - The status of version control should be same in both Control Rooms. If it is enabled in source Control Room, you should manually configure version control in destination Control Room using an SVN repository that is independent/separate from the AAE 10.x version.
9. Is it possible to migrate schedules from different time zones?
 - This is not supported.
10. Do the migrated schedules retain their status and work as before?
 - The schedules do not retain their status and fire on their own - they are deactivated by default. To activate such schedules, you should perform certain steps - open it in edit mode, add devices, update time/date, etc.
11. What happens to schedules that have manual dependencies created in source Control Room that has version control configured?
 - To retain the manual dependencies after migration, you should,
 - a. Download the required file(s) i.e. perform a rollback from Version History
 - b. Manually add the reference dependencies
 - c. Save the task
 - d. Set the production version to run the task.
12. Is it possible to migrate schedules from source Control Room that are already present in the destination Control Room?

Yes. Such schedules are migrated with the same name unlike Roles/Users which have suffix _1.

13. If a role or user is already migrated, will it be available for migration?
Yes such roles and users are available for migration. However, the reason would be shown as "This <entity name> is already migrated."
14. Can I migrate all the entities that were completely migrated?
Yes such entities are available for selection. However, the reason would be shown as "This <entity name>is already migrated."
15. Can I switch to User option of migration, once i have already migrated using Roles?
Yes you can.
16. Can I connect to multiple 10.x Control Room database for migration?
No. You cannot once the migration run is initiated.
17. If during migration, if my machine restarts, will I be able to continue the migration?
If your machine restarts when the migration is in progress, you can initiate the migration process despite the status being In progress. Also the entities that were already migrated will be shown as migrated.
18. Would the schedules created by a user who already exists in destination Control Room or is deleted from source Control Room be migrated?
Such schedules are not migrated. Refer examples given below for both Active Directory User and Non Active Directory user
 - **Active Directory user** - If the user Mike.Lee who has created a schedule say SCH1 in source Control Room also exists in destination Control Room, then the first run of the migration shows the following status for **Schedules**:

Status	Name	Reason
Failed	MyDomain.com\Mike.Lee	Unable to proceed as the user with same name already exists
 - **Non-Active Directory user** - If the user Mike.Lee who has created a schedule say SCH1 in source Control Room does not exist or is deleted in destination Control Room, then the first run of the migration shows the following status for **Schedules**:

Status	Name	Reason
Failed	Mike.Lee	User 'Mike.Lee' for this schedule does not exist
19. Since IQBots and My Lists are deprecated from 11 LTS, what happens to the bots that have IQBots as dependent files or the files that are there in My Lists?
IQBot dependency and My Lists are filtered out in the pre-scan as it is deprecated in 11 LTS. These are not listed in the preview.