



# IT Automation BASE Practice

※Exastro IT Automation is written as “ITA” in this document.

# Table of contents

1. Introduction
  - 1.1 Document Overview
  
2. Practice Scenario 1
  - 2.1 Operation Environment
  - 2.2 RBAC for Menu scenario
  - 2.3 Create and register new users
  - 2.4 Create and register Roles
  - 2.5 Link Roles and Menus
  - 2.6 Link Roles and Users
  - 2.7 Register Device/Operation list
  - 2.8 Check access permission
  
3. Practice Scenario 2
  - 3.1 Operation Environment
  - 3.2 RBAC for Data records scenario
  - 3.3 Create and register new users
  - 3.4 Create and register Roles
  - 3.5 Link Roles and Menus
  - 3.6 Link Roles and Users
  - 3.7 Register Movement list
  - 3.8 Check access permission

# 1. Introduction



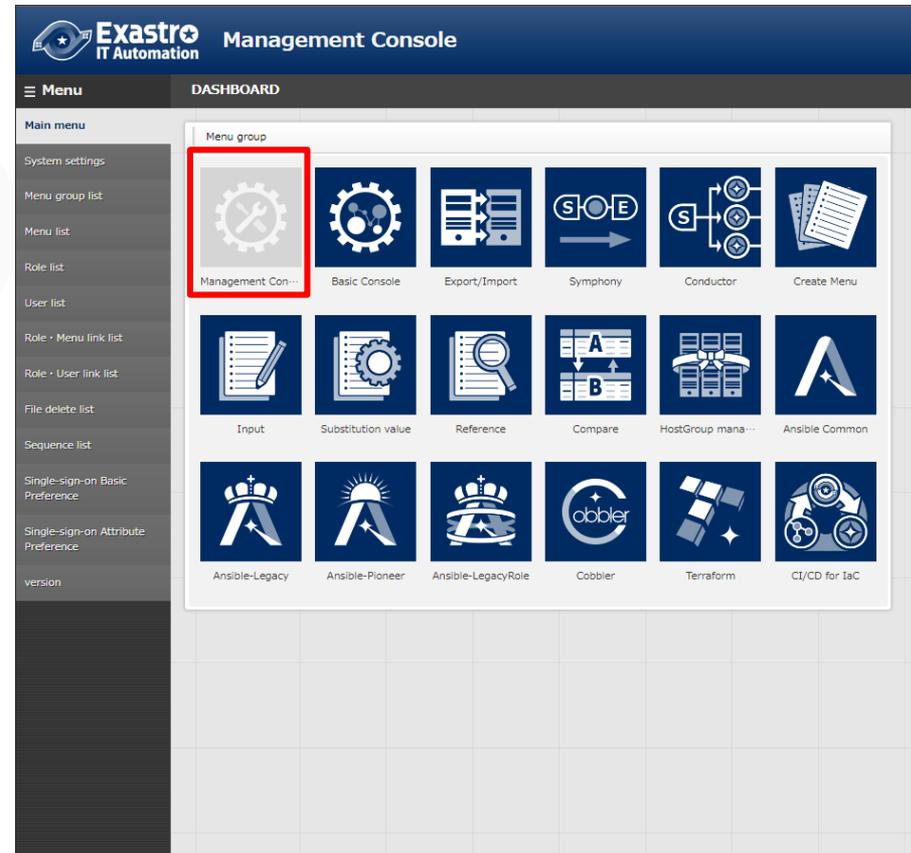
# 1.1 Document overview

## About this document

This document will have the reader go through a couple of sample scenarios in order to learn more about the Role based access restriction function.

Scenario 1 will have to user experience RBAC for Menus.

Scenario 2 will have the user experience RBAC for data records.



## 2. Scenario 1

# 2.1 Operation environment

## Environment

The following is required in order to finish this document's scenarios.  
You will need 1 server.

### Client device

- Windows10
- Google Chrome

Google Chrome



Windows10



### ITA server

- CentOS7 (※1)
- ITA 1.10.0
- Ansible 2.11.10



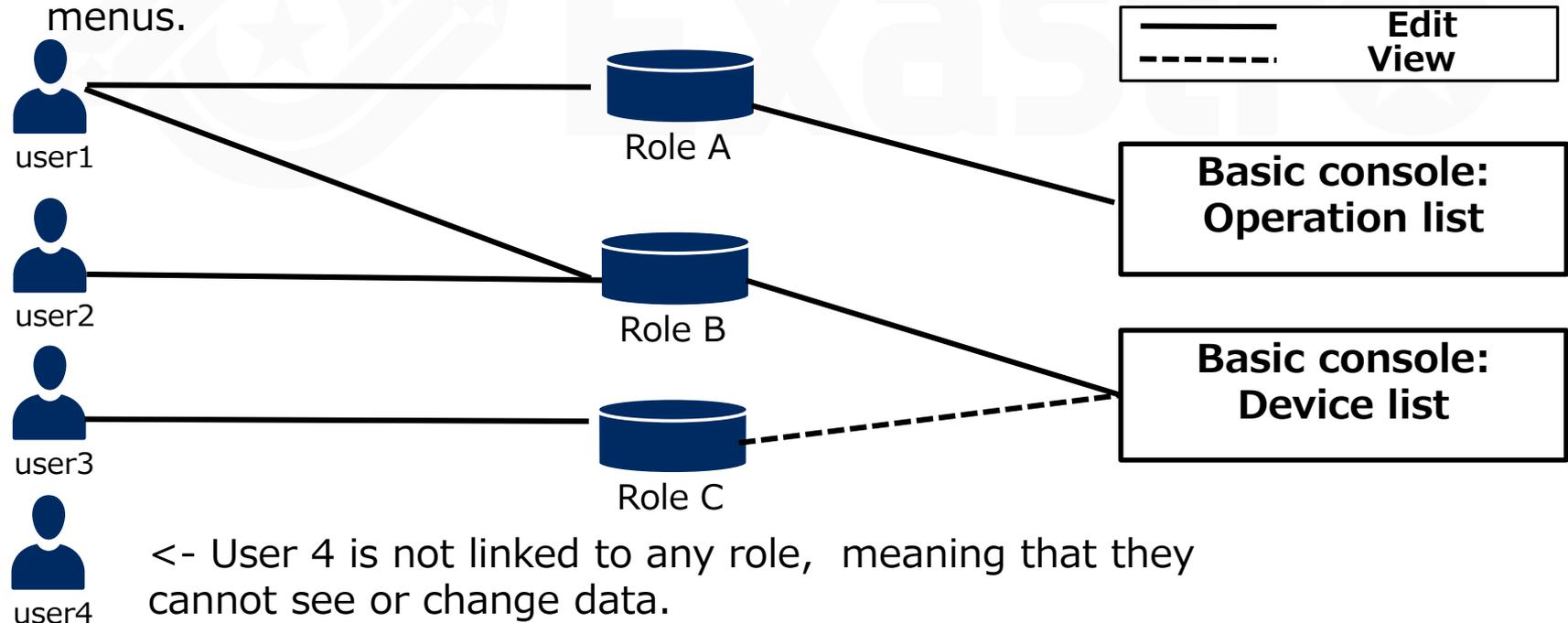
※1 In this scenario, the host server will be running CentOS7. However, ITA can be implemented to any RHEL7 or RHEL8 type OS.

## 2.2 RBAC for Menus scenario (1/2)

### Scenario

This scenario will have the reader use the Management console -> Menu link list function to control RBAC for different menus.

- ① User 1 is linked to Role A and Role B, meaning that they can edit contents in both the "Operation list" and the "Device list".
- ② User 2 is linked to Role B, meaning that they can edit in "Device list".
- ③ User 3 is linked to Role C, meaning that they can view in the "Device list".
- ④ User 4 is not linked to any role, meaning that they cannot view any of the menus.



## 2.2 RBAC for Menus Scenario (2/2)

### Scenario procedure

2.3 Create and register new users



2.4 Create and register roles



2.5 Link roles and menus



2.6 Link roles and users



2.7 Register data in the "Device list" and "Operation list" menus.



2.8 Check RBAC

# 2.3 Create and Register new users

## Create and register new users

In order to check the different access permissions, we will create 4 different users.

Menu: **Management console > User list**

- ① Register > Start registration
- ② Follow the table below and press "Register"

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Device/Operation list

Check access permission

Exastro IT Automation Management Console

User name [System Administrator] Login ID [administrator] Change password Logout

Menu

- Main menu
- System settings
- Menu group list
- Menu list
- Role list
- User list**
- Role - Menu link list
- Role - User link list
- File delete list
- Sequence list
- Single-sign-on Basic Preference
- Single-sign-on Attribute Preference
- version

Description

Display filter

List/Update

Register

User ID	Login ID*	Login Password*	User name	Mail address
Auto-input				

\* is a required item.

Back Register

Download all and edit file uploads

Role information

Trace history

Login ID	Login PW	User name
user1	(Free field)	Test1
user2	(Free field)	Test2
user3	(Free field)	Test3
user4	(Free field)	Test4

\*Remember the Login ID and password

# 2.4 Create and register roles

## Create and register roles

Create and register the roles that controls user access

Menu: **Management console > Role list**

- ① Register > Start registration
- ② Follow the table below and press "Register"

The screenshot shows the Exastro Management Console interface. On the left, a sidebar menu has 'Role list' highlighted. The main content area shows a registration form with a 'Role name' input field. A red box highlights this field, and a red circle with the number '2' points to it. Below the form, there are 'Back' and 'Register' buttons, with the 'Register' button also highlighted by a red box. A red circle with the number '1' points to the 'Register' button in the sidebar menu. A table below the form lists roles: Role A, Role B, and Role C, each with a '▽Open' button. At the bottom, there are links for 'Download all and edit file uploads', 'User information', 'Menu information', and 'Trace history', each with a '▽Open' button.

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Device/Operation list

Check access permission

## Link Role and menus

Link menus to the different roles and select permission type

Menu: **Management console > Role · Menu link list**

- 1 Register > Start registration
- 2 Follow the table below and press "Register"

Exastro IT Automation Management Console

User name [System Administrator] Login ID [administrator] [Change password](#) [Logout](#)

Menu

- Main menu
- System settings
- Menu group list
- Menu list
- Role list
- User list
- Role · Menu link list**
- Role · User link list
- File delete list
- Sequence list
- Single-sign-on Basic Preference
- Single-sign-on Attribute Preference
- version

Item No.	Role (ID: Name)	Menu group:
Auto-Input		

※ \* is a required item.

[Back](#) [Register](#)

Download all and edit file uploads

Trace history

Contact administrator

- Create and register new users
- Create and register Roles
- Link Roles and Menus**
- Link Roles and Users
- Register Device/Operation list
- Check access permission

Role name	Menu group: Menu	Associate
Role A	Basic console: Operation list	Edit
Role B	Basic console: Device list	Edit
Role C	Basic console: Device list	View

## Link Role and user information

Link a roles to the different users

Menu: **Management console** > **Role · User link list**

- ① Register > Start registration
- ② Follow the table below and press "Register"

Create and register new users

Create and register Roles

Link Roles and Menus

**Link Roles and Users**

Register Device/Operation list

Check access permission

**Point** Selecting "●" for "Default access permission" will make the registered access permission default to the role when registering new data.

Role name	User ID	Default access permission
Role A	user1	●
Role B	user1	●
Role B	user2	●
Role C	user3	●

# 2.7 Device list/Operation list registration(1/2)

## Register new data in the Device list menu.

The following must be done while logged in as Administrator.

Register a new item in the Device list.

This allows us to check the access permissions for the different users.

Do not set access permission roles in this step.

Menu: **Basic console > Device list**

- ① Register > Start registration
- ② Follow the table below and press "Register"

- Create and register new users
- Create and register Roles
- Link Roles and Menu
- Link Roles and Users
- Register Device/Operation list**
- Check access permission

The screenshot shows the Exastro Basic Console interface. The 'Device list' menu item is highlighted in the left sidebar. The main content area displays a registration form for a new device. The form includes fields for 'Managed system', 'Item number', 'HW device type', 'Host name', 'IP address', 'MAC address', 'Network device name', 'Login user ID', 'Last update date/time', and 'Last updated by'. A red circle with the number '2' is placed over the 'HW device type' field. Below the form, there is a table with registration instructions:

HW device type	Host name	IP address
SV	(Free host name)	(Free IP address)

# 2.7 Device list/Operation list registration(2/2)

## Register new operation

The following must be done while logged in as Administrator.

Create a new operation.

This allows us to check the access permissions for the different users.

Do not set access permission roles in this step.

Menu: **Basic console > Operation list**

- 1 Register > Start registration
- 2 Follow the table below and press "Register"

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

**Register Device/Operation list**

Check access permission

Exastro IT Automation Basic Console

User name [System Administrator]  
Login ID [administrator]

Menu

- Main menu
- Device list
- Operation list**
- Movement list
- ER Diagram
- ER Diagram Menu List
- ER Diagram Item List

No.	Operation ID	Operation name*	Scheduled date for execution	Access
auto-input	Auto-input	<input type="text"/>	<input type="text"/>	Setting Role Setting

※\* is a required item.

Back Register

Operation name	Scheduled execution date
OP1	(Free field)
OP2	(Free field)

Download all and edit file uploads

Trace history

Contact administrator

# 2.8 Check access permission(1/12)

## Change account

Log out from the Admin account and log in as the different users we created earlier in chapter 2.3

Exastro IT Automation

Login

Login ID

Password

Login

Contact administrator

1

**Login ID**  
user1

**Password**  
(Password input in chapter 2.3)

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Device/Operation list

**Check access permission**

## 2.8 Check access permission(2/12)

### Configure new password

Users will be asked to create a new password when logging in for the first time.

Log in and create a new password for all the users.

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Device/Operation list

Check access permission

Exastro IT Automation

Change password

Login ID user1

Old password

New password

New password (re-enter)

Change Back

Contact administrator

2

Login ID

user1

Old password

(Password input in chapter 2.3)

New password

(Free value)

New password (re-enter)

(Free value)

## 2.8 Check access permission(3/12)

### Check User 1's access permissions

Log in as User 1 and check the access permissions

- ① Check that the Login ID is "user1" and the Login user is "Test1" in the upper right corner.
- ② Press roll button to see "Role A" and "Role B" is displayed

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Device/Operation list

Check access permission

The screenshot displays the Exastro Basic Console interface. In the top right corner, the user information shows "User name [test1]" and "Login ID [user1]", with a red box and a circled "1" highlighting the "Role", "Change password", and "Logout" buttons. A red box and a circled "2" highlight the "Role" button in the main dashboard area. A modal dialog box titled "Role" is open, showing a list of roles: "Role A" and "Role B".

Point

Press role button to check role tied up with login user

# 2.8 Check access permission(4/12)

## Check User 1's access permissions

Log in as User 1 and check the access permissions

Menu: Basic console > Operation list

- ② Display filter > Press "Filter"
- ③ Check that device list are displayed and that you can edit them

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Device/Operation list

Check access permission

The screenshot shows the '基本コンソール' (Basic Console) interface for Exastro IT Automation. The main content area displays a table of devices under the 'EtherWakeOnLan' section. The table has columns for '停止' (Stop), '管理システム項番' (Management System Item No.), 'HW機器種別' (HW Device Type), 'ホスト名' (Host Name), 'IPアドレス' (IP Address), 'MACアドレス' (MAC Address), 'ネットワーク' (Network), '最終更新日時' (Last Update Time), and '最終更新者' (Last Updated By). A red box labeled '1' highlights the 'フィルタ' (Filter) button. Below the table, a red box labeled '2' highlights the table itself. A callout box points to the 'Can maintain' status in the table, with the text: 'Users with "Can maintain" displayed in the link settings are able to edit. (See more information on slide 22.)'

停止	管理システム項番	HW機器種別	ホスト名	IPアドレス	MACアドレス	ネットワーク	最終更新日時	最終更新者
停止含まず								
フィルタ	フィルタクリア							Table setting

履歴	複製	更新	停止	管理システム項番	HW機器種別	ホスト名	IPアドレス	電源ON	NACアドレス	ネットワークデバイス名	ログインユーザID	管理	ログイン	最終更新日時	最終更新者
履歴	複製	更新	停止	1	SV	hostA	10.100.10.100	電源ON						2022/01/04 16:42:18	システム管理者

# 2.8 Check access permission(5/12)

## Check User 1's access permissions

Log in as User 1 and check the access permissions

Menu: Basic console > Operation list

- ② Display filter > Press "Filter"
- ③ Check that both OP1 and OP2 are displayed and that you can edit them

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Device/Operation list

Check access permission

Exastro IT Automation Basic Console

User name [Test1]  
Login ID [user1]  
Change password Logout

Menu  
Main menu  
Device list  
Operation list

Description ▽Open

Display filter △Close

Discard	No.	Operation ID	Operation name	Scheduled date for	Last update date/time	Last updated by
Exclude discarded	~	~	~	~	~	~

Filter Clear filter

Auto-filter

List/Update △Close

History	Duplicate	Update	Discard	No.	Operation ID	Operation name	Scheduled date for execution
History	Duplicate	Update	Discard	5	5	OP1	2021/12/08 19:10
History	Duplicate	Update	Discard	6	6	OP2	2021/12/09 15:10

Filter result count: 2

Output Excel

Contact administrator

Users with "Can maintain" displayed in the link settings are able to edit. (See more information on slide 22.)

## 2.8 Check access permission(6/12)

### Check User 2's access permissions

Log in as User 2 and check the access permissions

- ① Check that the Login ID is "user2" and the Login user is "Test2" in the upper right corner.
- ② Press roll button to see "Role B" is displayed

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Device/Operation list

Check access permission

The screenshot displays the Exastro IT Automation dashboard. The top navigation bar includes the Exastro logo, a menu icon, and the text 'DASHBOARD'. In the upper right corner, the user's login information is shown: 'User name [test2]' and 'Login ID [user2]'. Below this, there are three buttons: 'Role', 'Change password', and 'Logout'. A red box labeled '1' highlights these buttons. The main content area features a 'Main menu' on the left with a 'Basic Console' icon. The central dashboard contains several widgets: 'Movement', 'Work status', and 'Work result', each with a circular gauge showing '0'. A red box labeled '2' highlights the 'Role' button. A modal window titled 'Role' is open, showing a table with one entry: 'Role B' under the 'Name' column. The bottom left corner of the dashboard has a 'Contact administrator' button.

# 2.8 Check access permission(7/12)

## Check User 2's access permissions

Log in as User 2 and check the access permissions

- 1 Check that the Login ID is "user2" and the Login user is "Test2" in the upper right corner.
- 2 Press roll button to see "Role B" is displayed

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Device/Operation list

Check access permission

Exastro IT Automation Basic Console

User name [Test2]  
Login ID [user2]  
Change password Logout

Menu  
Main menu  
Device list

Description ▽Open

Display filter △Close

Discard	Managed system item number	HW device type	Host name	IP address	MAC	Last update date/time	Last updated by
Exclude discarded records	~	Search from pull-down	Search from pull-down	Search from pull-down	Search	~	Search from pull-down

Filter Clear filter

Auto-filter

List/Update △Close

History	Duplicate	Update	Discard	Managed system item number	HW device type	Host name	IP address	Power ON	MAC address	Last update date/time	Last updated by
History	Duplicate	Update	Discard	4							

Filter result count: 1

Output Excel

Contact administrator

Users with "Can maintain" displayed in the link settings are able to edit. (See more information on slide 20.)

## 2.8 Check access permission(8/12)

### “Can maintain” access permission settings

If the link settings says "Can maintain", the user will have access to the different edit functions.

The screenshot displays a web application interface. On the left, there is a navigation menu with 'Menu', 'Main menu', and 'Device list'. The main content area is titled 'List/Update' and contains a table of device information. The table has columns for 'History', 'Duplicate', 'Update', 'Discard', 'Managed system item number', 'HW device type', 'Host name', 'IP address', 'Power ON', 'MAC address', 'Last update date/time', and 'Last updated by'. A red box highlights the table and the 'Update' button. Below the table, there is a 'Filter result count: 1' and an 'Output Excel' button. The 'Register' section is also visible, with a red box highlighting the 'Upload file' button.

History	Duplicate	Update	Discard	Managed system item number	HW device type	Host name	IP address	Power ON	MAC address	Last update date/time	Last updated by
History	Duplicate	Update	Discard	4	SV	LearnTest	123.123.123.123	Power ON		2021/12/07 18:55:12	System Administrator

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Device/Operation list

Check access permission

Point

If the user has “Can maintain” permissions, functions such as “Update”, “Register”, “Upload file” and others will be available.

## 2.8 Check access permission(9/12)

### Check User 3's access permissions

Log in as User 3 and check the access permissions

- ① Check that the Login ID is "user3" and the Login user is "Test3" in the upper right corner.
- ② Press roll button to see "Role C" is displayed

The screenshot shows the Exastro IT Automation Basic Console interface. In the top right corner, the user's login information is displayed: 'ようこそ(テスト用)さん' (Welcome, Test User), 'ログインID [user3]' (Login ID [user3]), and 'ログアウト' (Logout) button. A red box labeled '1' highlights the 'ロール' (Role) button. A red box labeled '2' highlights the 'ロールC' (Role C) entry in a modal window titled 'ロール' (Role). The dashboard includes a menu, main menu, and various widgets like 'Movement', '作業状況' (Work Status), and '作業結果' (Work Results).

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Device/Operation list

Check access permission

# 2.8 Check access permission(10/12)

## Check User 3's access permissions

Log in as User 3 and check the access permissions

- 1 Check that the Login ID is user3 and the Login user is "Test3" in the upper right corner
- 2 Menu: Basic console > Device list
- 3 Display filter > Press "Filter"
- 4 Check that the user can view ,but not edit contents.

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Device/Operation list

Check access permission

The screenshot shows the Exastro Basic Console interface. The top navigation bar includes the Exastro logo, 'Basic Console', and user information: 'User name [Test3]', 'Login ID [user3]', 'Change password', and 'Logout'. The left sidebar shows a 'Menu' with 'Main menu' and 'Device list'. The main content area has a 'Description' section with a 'Display filter' section below it. The 'Display filter' section includes a table with columns: 'Discard', 'Managed system item number', 'HW device type', 'Host name', 'IP address', 'MAC', 'Last update date/time', and 'Last updated by'. Below the table are search fields and a 'Filter' button (highlighted with a red box and callout '1'). The 'List' section below shows a table with columns: 'History', 'Managed system item number', 'HW device type', 'Host name', 'IP address', 'MAC address', 'Network device name', 'Login user ID', 'Last update date/time', and 'Last updated by'. A red box highlights the 'List' table (callout '2'), and a red callout box with text explains that the user will not be able to edit contents if the permission settings is set to 'View only' (See Slide 22).

# 2.8 Check access permission(11/12)

## “View Only” access permission settings

If the permission settings set to the link is set to “View only”, the user will not be able to edit the contents.

The screenshot shows the Exastro Basic Console interface. The top navigation bar includes the Exastro logo, 'Basic Console', and user information (User name: [Test], Login ID: [user]). There are buttons for 'Change password' and 'Logout'. A left sidebar contains a 'Menu' section with 'Main menu' and 'Device list'. The main content area has a 'List' tab selected, showing a table of system items. A red box highlights a row in the table. Below the table, there is a 'Filter result count: 1' and an 'Output Excel' button. At the bottom, there are 'Download all' and 'Trace historyDownload all' buttons, each with an 'Excel' option.

History	Managed system item number	HW device type	Host name	IP address	EtherWakeOnLan		Login user ID	Login password		Last update date/time	Last updated by
					MAC address	Network device name		Management	Login p		
History		4 SV	LearnTest	123.123.123.123					*****	2021/12/07 18:55:12	System Administrator

- Create and register new users
- Create and register Roles
- Link Roles and Menus
- Link Roles and Users
- Register Device/Operation list
- Check access permission**

**Point**  
Edit functions such as “Edit,” “Abolish” and “Restore” will not be available for users with “View only” permission.

# 2.8 Check access permission(12/12)

## Check user 4's access permissions

Log in as User 4 and check the access permissions

- ① Login ID: Log in as user4
- ② Check that the Login ID is user4 and the Login user says "Test4" in the upper right corner
- ③ As this user does not have permission to anything, they should not be able to see anything.

Exastro IT Automation

Menu DASHBOARD

Main menu

Menu group

There are no "Menu group" that can be displayed.

Movement

Work status

Work result

Work history

Contact administrator

User name [Test4]  
Login ID [user4]  
Change password Logout

2

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Device/Operation list

Check access permission

### 3. Scenario 2

# 3.1 Operation Environment

## Operation Environment

The following is required in order to finish this document's scenarios.  
You will need 1 server.

### Client Device

- Windows10
- Google Chrome

Google Chrome



Windows10



### ITA Server

- CentOS7 (※1)
- ITA 1.10.0
- Ansible 2.11.10



※1 In this scenario, the host server will be running CentOS7. However, ITA can be implemented to any RHEL7 or RHEL8 type OS.

# 3.2 RBAC for Data records(1/3)

## Scenario 1

In this scenario, we will give the different roles access permission for all the different data records. That way, the reader can experience the RBAC for Data records function.

- ① user1, who is linked to Role A, B and C, will be able to see Move1~4
- ② user2, who is linked to Role B, will be able to see Move1~3
- ③ user3, who is linked to Role B and Role C, will be able to see Move 1,3 and 4

■ User name : System administrator  
Login ID: administrator  
Role : System administrator

User name [System Administrator]  
Login ID [administrator]

Role Change password Logout

履歴	複製	更新	廃止	MovementID	Movement名	オーケストレータ	遅延タイマー	Ansible利用情報	Movement-Playbook紐付	アクセス権	備考	最終更新日時	最終更新者
<a href="#">履歴</a>	<a href="#">複製</a>	<a href="#">更新</a>	<a href="#">廃止</a>	6	move1	Ansible Legacy		ホスト指定形式 MinRM接続 ヘッダーセクション オプションパラメータ	Movement-Playbook紐付	ロールA, ロールB		2021/08/23 10:23:04	システム管理者
<a href="#">履歴</a>	<a href="#">複製</a>	<a href="#">更新</a>	<a href="#">廃止</a>	7	move2	Ansible Legacy			Movement-Playbook紐付	ロールA		2021/08/23 10:29:47	システム管理者
<a href="#">履歴</a>	<a href="#">複製</a>	<a href="#">更新</a>	<a href="#">廃止</a>	10	move3	Ansible Legacy			Movement-Playbook紐付	ロールB		2021/08/23 10:23:46	システム管理者
<a href="#">履歴</a>	<a href="#">複製</a>	<a href="#">更新</a>	<a href="#">廃止</a>	11	move4	Ansible Legacy			Movement-Playbook紐付	ロールC		2021/08/23 10:23:52	システム管理者



■ User name : Test2  
Login ID: user2  
Role : Role B

User name [test2]  
Login ID [user2]

Role Change password Logout

履歴	複製	更新	廃止	MovementID	Movement名	オーケストレータ	遅延タイマー	Ansible利用情報	Movement-Playbook紐付	アクセス権	備考	最終更新日時	最終更新者
<a href="#">履歴</a>	<a href="#">複製</a>	<a href="#">更新</a>	<a href="#">廃止</a>	6	move1	Ansible Legacy		ホスト指定形式 MinRM接続 ヘッダーセクション オプションパラメータ	Movement-Playbook紐付	***** (5), ロールB		2021/08/23 10:23:04	システム管理者
<a href="#">履歴</a>	<a href="#">複製</a>	<a href="#">更新</a>	<a href="#">廃止</a>	10	move3	Ansible Legacy			Movement-Playbook紐付	ロールB		2021/08/23 10:23:46	システム管理者

## 3.2 RBAC for Data records(2/3)

### Scenario 2(Figure)

Role and User link

	Role A	Role B	Role C
user1	●	○	○
user2		●	
user3		●	●

- ...With Default access permission
- ...Without Default access permission



Access permission per Movement

	move1	move2	move3	move4
Role A	●	●		
Role B	●		●	
Role C				●

- ...Has access

What Movement can be seen by which user

	move1	move2	move3	move4
user1	●	●	●	●
user2	●		●	
user3	●		●	●

- ...Movement displayed

## 3.2 RBAC for Data records(3/3)

### Scenario Procedure

※Users who have completed Scenario 1 can start from chapter 3.5

**3.3 Create and register new users**



**3.4 Create and register roles**



**3.5 Role · Menu link**



**3.6 Role · User link**



**3.7 Movement list registration**



**3.8 Check access permission**

# 3.3 Create and register new users

## Create and register new users

In order to check the different access permissions, we will create 3 different users.

Menu: **Management console > User list**

- ① Register > Start registration
- ② Follow the table below and press "Register"

- Create and register new users
- Create and register Roles
- Link Roles and Menus
- Link Roles and Users
- Register Movement list
- Check access permission

The screenshot shows the 'Management Console' interface. On the left, the 'Menu' sidebar has 'User list' highlighted. The main content area shows a 'Register' form with the following fields: User ID, Login ID, Login Password, User name, and Mail address. A red box highlights the 'Register' button and a circled '2' points to the form fields. Below the form, there are buttons for 'Back' and 'Register'. At the bottom, there are links for 'Download all and edit file uploads', 'Role information', and 'Trace history'.

Login ID	Login PW	User name
user1	(Free field)	Test1
user2	(Free field)	Test2
user3	(Free field)	Test3

# 3.4 Create and register roles

## Create and register roles

Create and register the roles that controls user access

Menu: **Management console > Role list**

- ① Register > Start registration
- ② Follow the table below and press "Register"

The screenshot shows the Exastro Management Console interface. On the left, a sidebar menu has 'Role list' highlighted. The main content area shows a 'Register' button circled in red with a '2' in a speech bubble. Below it is a table with the following data:

Role ID	Role name	Setting	Role
Auto-input		Setting	

Below the table, there are 'Back' and 'Register' buttons, with 'Register' highlighted in red. At the bottom of the console, there are links for 'Download all and edit file uploads', 'User information', 'Menu information', and 'Trace history'.

- Create and register new users
- Create and register Roles**
- Link Roles and Menus
- Link Roles and Users
- Register Movement list
- Check access permission

## Link role and Menu information

Link Menu to role and grant access permissions.

Menu: **Management console**> **Role · Menu link list**

- ① Register > Start registration
- ② Follow the table below and press “Register”

Create and register new users

Create and register Roles

**Link Roles and Menus**

Link Roles and Users

Register Movement list

Check access permission

Exastro IT Automation Management Console

User name [System Administrator] Login ID [administrator] Change password Logout

Menu

- Main menu
- System settings
- Menu group list
- Menu list
- Role list
- User list
- Role · Menu link list**
- Role - User link list
- File delete list
- Sequence list
- Single-sign-on Basic Preference
- Single-sign-on Attribute Preference
- version

Description [Open]

Display filter [Open]

List/Update [Open]

Register [Close]

Item No.	Role (ID: Name)	Menu group: Menu	Ass Last update date/time	Last updated by
Auto-Input	[Dropdown]	[Dropdown]	Auto-Input	Auto-Input

\* is a required item.

Back Register

Download all and edit file uploads

Trace history

Contact administrator

Role	Menu group: Menu	Link
Role A	AnsibleLegacy: Movement list	Can Maintain
Role B	AnsibleLegacy: Movement list	Can Maintain
Role C	AnsibleLegacy: Movement list	Can Maintain

## Link Role and User information

Link roles to the users.

Menu: **Management console**> **Role · User link list**

- ① Register > Start registration
- ② Follow the table below and press "Register"(See next page)

Item No.	Role (ID name)	User ID: Login ID	Default access permission	Access permission	Last update date/time	Last updated by
Auto-Input	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Auto-input	Auto-input

Role name	User ID: Login ID	Default access permission
Role A	administrator	(blank)
Role B	administrator	(blank)
Role C	administrator	(blank)

Create and register new users

Create and register Roles

Link Roles and Menus

**Link Roles and Users**

Register Movement list

Check access permission

## Link Role and User information

Link roles to the users.

Menu: **Management console** > **Role · User link list**

- ① Register > Start registration
- ② Follow the table below and press "Register"(See next page)

Exastro IT Automation Management Console

User name [System Administrator]  
Login ID [administrator]  
Change password Logout

Menu

- Main menu
- System settings
- Menu group list
- Menu list
- Role list
- User list
- Role · Menu link list
- Role · User link list**
- File delete list
- Sequence list
- Single-sign-on Basic Preference
- Single-sign-on Attribute Preference
- version

Description ▾Open

Display filter ▾Open

List/Update ▾Open

Register △Close

Item No.	Role (ID name)	User ID: Login ID	Default access permission	Access permission Setting	Role to allow access	Last update date/time	Last updated by
Auto-Input				Setting		Auto-Input	Auto-Input

\* is a required item.

Back Register

Download all and edit file uploads

Trace history

Role name	User ID: Login ID	Default access permission
Role A	user1	●
Role B	user1	(blank)
Role C	user1	(blank)

Contact administrator

Create and register new users

Create and register Roles

Link Roles and Menus

**Link Roles and Users**

Register Movement list

Check access permission

## Link Role and User information

Link roles to the users.

Menu: **Management console**> **Role · User link list**

- ① Register > Start registration
- ② Follow the table below and press "Register"(See next page)

The screenshot shows the Exastro Management Console interface. The left sidebar contains a 'Menu' with various options, including 'Role · User link list'. The main content area displays a table for linking roles to users. A red box highlights a table with the following structure:

Role name	User ID: Login ID	Default access permission
Role B	user2	●

A red circle with the number '2' is positioned next to the 'Role name' column header. Below the table, there is a 'Back' button and a 'Download all and edit file upload' button.

Create and register new users

Create and register Roles

Link Roles and Menus

**Link Roles and Users**

Register Movement list

Check access permission

## Link Role and User information

Link roles to the users.

Menu: **Management console** > **Role · User link list**

- ① Register > Start registration
- ② Follow the table below and press "Register"

The screenshot shows the Exastro Management Console interface. The left sidebar contains a menu with 'Role · User link list' highlighted. The main content area shows a table with the following data:

Item No.	Role (ID name)	User ID: Login ID	Default access permission	Access permission	Last update date/time	Last updated by
Auto-Input				Setting Role to allow access		
	Role B	user3	●			
	Role C	user3	●			

Create and register new users

Create and register Roles

Link Roles and Menus

**Link Roles and Users**

Register Movement list

Check access permission

# 3.7 Movement list registration

## Register new movement as Admin

In this section, we will register a new Movement so we can see the how the Default access permissions work.

We can then configure access permissions to the data we register

Menu: **Ansible-Legacy > Movement list**

- 1 Register > Start registration
- 2 Follow the table below and press "Register"

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

**Register Movement list**

Check access permission

Change Access permission role



Only users that are linked to access permission roles can see and edit the data.

Movement ID	Movement Name	Delay timer	Host specific format	WinRM connection	Header section	Last update date/time	Last updated by
Auto-Input						Auto-Input	Auto-Input

Movement name	Host specification format	Access permission Role
move1	IP	Role A Role B
move2	IP	Role A
move3	IP	Role B
move4	IP	Role C

# 3.7 Check access permissions(1/9)

## Check User 1's access permissions

Log in as User 1 and check the access permissions

- 1 Check that the Login ID is "user1" and the Login user is "Test1" in the upper right corner.
- 2 Press roll button to see "Role A", "Role B", and "Role C" is displayed

Create and register new users

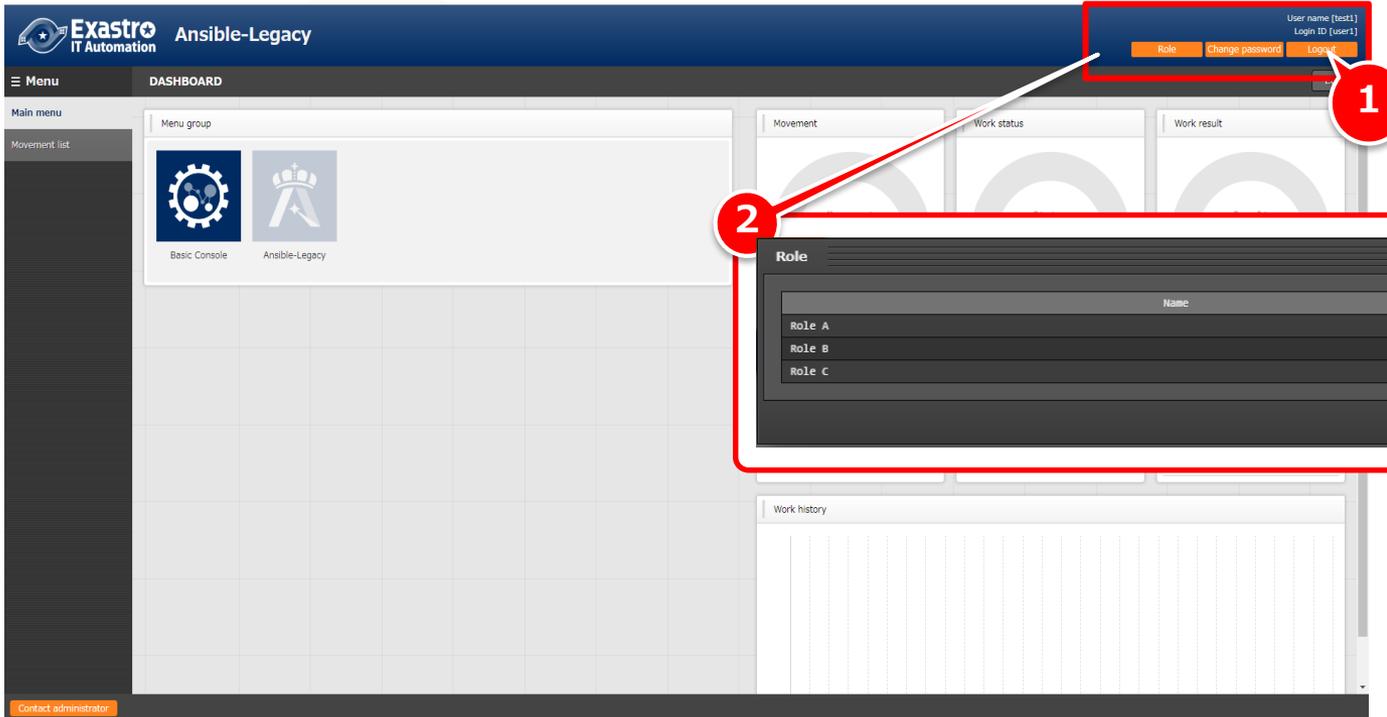
Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Movement list

Check access permission



# 3.7 Check access permission(2/9)

## Check User 1's access permissions

Log in as User 1 and check the access permissions

Menu: **Ansible-Legacy > Movement list**

① Display filter > Press "Filter"

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Movement list

Check access permission

The screenshot shows the 'Ansible-Legacy' web application. The 'Movement list' page is active. A 'Display filter' section is visible with a 'Filter' button highlighted in red and a circled '1' next to it. Below the filter section is a table with the following data:

History	Duplicate	Update	Discard	Movement ID	Movement Name	Orchestrator	Access permission	Remarks	Last update date/time	Last updated by
History	Duplicate	Update	Discard	5	move1	Ansible Legacy	Role A,Role B		2021/12/08 15:22:20	System Administrator
History	Duplicate	Update	Discard	6	move2	Ansible Legacy	Role A		2021/12/08 15:22:45	System Administrator
History	Duplicate	Update	Discard	7	move3	Ansible Legacy	Role B		2021/12/08 15:23:03	System Administrator
History	Duplicate	Update	Discard	8	move4	Ansible Legacy	Role C		2021/12/08 15:24:36	System Administrator

Filter result count: 4

Output Excel

User 1 is linked to Role A, B and C, meaning that it has permission to see all the 4 registered Movements.

# 3.7 Check access permission(3/9)

## Register new Movement as User 1

In this section, we will register a new Movement so we can check how Default access permissions work.

Menu: **Ansible-Legacy > Movement list**

- 1 Register > Start registration
- 2 Follow the table below and press "Register"
- 3 Check that Role A is set as access permission role

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Movement list

Check access permission

**Point**

user1 has "Role A" set with "With Default access permission", meaning that Role A will automatically be set as Access permission role.

# 3.7 Check access permission(4/9)

## Check User 2's access permissions

Log in as User 2 and check the access permissions

- 1 Check that the Login ID is "user2" and the Login user is "Test2" in the upper right corner.
- 2 Press roll button to see "Role B" is displayed

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Movement list

Check access permission

The screenshot shows the Exastro Ansible-Legacy dashboard. In the top right corner, the user information is displayed: "User name [test2]" and "Login ID [user2]". Below this, there are three buttons: "Role", "Change password", and "Logout". A red box highlights this area, and a red circle with the number "1" points to the "Role" button. A modal window titled "Role" is open, showing a table with one entry: "Role B". A red box highlights this modal window, and a red circle with the number "2" points to the "Role B" entry. The dashboard also shows a "Movement list" table and a "Work history" section.

# 3.7 Check access permission(5/9)

## Check User 2's access permissions

Log in as User 2 and check the access permissions

Menu: **Ansible-Legacy > Movement list**

① Display filter > Press "Filter"

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Movement list

Check access permission

The screenshot shows the Exastro Ansible-Legacy interface. The 'Movement list' page is active, and a filter is applied. The 'Filter' button is highlighted with a red box and a '1' in a speech bubble. The table below shows two movements with Role B access permission.

History	Duplicate	Update	Discard	Movement ID	Movement Name	Orchestrator	Access permission	Remarks	Last update date/time	Last updated by
History	Duplicate	Update	Discard	5	move1	Ansible Legacy	***** (2), Role B		2021/12/08 15:22:20	System Administrator
History	Duplicate	Update	Discard	7	move3	Ansible Legacy	Role B		2021/12/08 15:23:03	System Administrator

User 2 has Role B set to it, meaning that only 2 Movements will be displayed.

# 3.7 Check access permission(6/9)

## Register new Movement as User2

In this section, we will register a new Movement so we can check how Default access permissions work.

Menu: **Ansible-Legacy > Movement list**

- ① Register > Start registration
- ② Follow the table below and press "Register"
- ③ Check that Role B is set as access permission role

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Movement list

Check access permission

Movement name	Host specification format
movement2	IP

2

Movement ID	Movement Name	Delay timer	Host specific	Format	Windows	Access permission	Last updated by
Auto-Input	<input type="text"/>	Auto-Input					

※\*is a required item.

Back Register

Download all and edit file uploads

Trace history

Point

user2 has "RoleB" set with "With Default access permission", meaning that Role B will automatically be set as Access permission role.

# 3.7 Check access permission(7/9)

## Check User 3's access permissions

Log in as User 3 and check the access permissions

- 1 Check that the Login ID is "user3" and the Login user is "Test3" in the upper right corner.
- 2 Press roll button to see "Role B" and "Role C" is displayed

Create and register new users

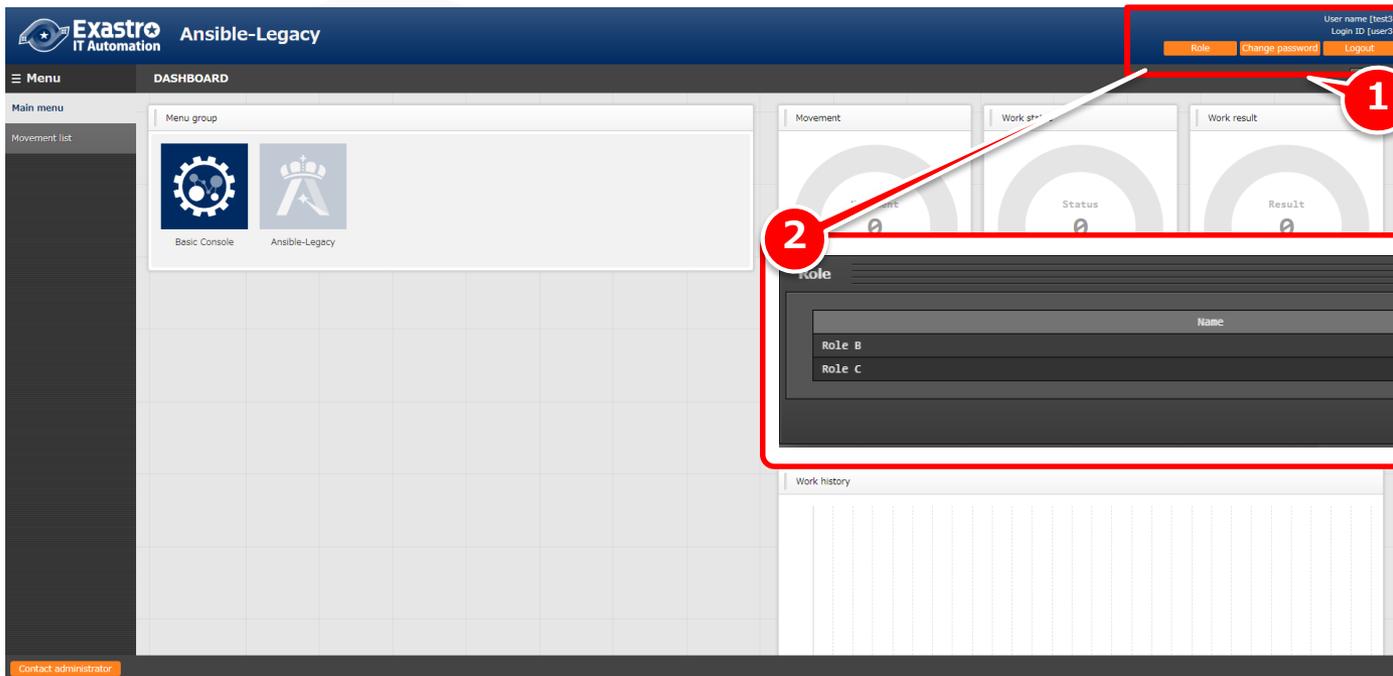
Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Movement list

Check access permission



# 3.7 Check access permission(8/9)

## Check User 3's access permissions

Log in as User 3 and check the access permissions

Menu: **Ansible-Legacy > Movement list**

① Display filter > Press "Filter"

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Movement list

Check access permission

Exastro IT Automation Ansible-Legacy

User name [Test3]  
Login ID [user3]  
Change password Logout

Menu  
Main menu  
Movement list

Description ▽Open  
Display filter △Close

Discard Movement ID Movement Name Orchestrator Delay timer Host specific for Last update date/time Last updated by

Exclude discarded record 2

Search from pulldown Search from pulldown

Filter Clear filter

Auto-filter

List/Update △Close

History	Duplicate	Update	Discard	Movement ID	Movement Name	Orchestrator	Access permission	Remarks	Last update date/time	Last updated by
History	Duplicate	Update	Discard	5	move1	Ansible Legacy	***** (2), Role B		2021/12/08 15:22:20	System Administrator
History	Duplicate	Update	Discard	7	move3	Ansible Legacy	Role B		2021/12/08 15:23:03	System Administrator
History	Duplicate	Update	Discard	8	move4	Ansible Legacy	Role C		2021/12/08 15:24:36	System Administrator
History	Duplicate	Update	Discard	18	movement2	Ansible Legacy	Role B		2021/12/08 15:37:25	Test2

Filter result count: 4

Output Excel

Register

Contact administrator

User 3 has Role B and Role C set to it, meaning that 3 Movements will be displayed. The Movement registered using User 2 will also be displayed.

# 3.7 Check access permission(9/9)

## Register new Movement as role 3

In this section, we will register a new Movement so we can check how Default access permissions work.

Menu: **Ansible-Legacy > Movement list**

- ① Register > Start registration
- ② Follow the table below and press "Register"
- ③ Check that Role B and Role C is set as access permission role

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Movement list

Check access permission

**Movement name**: movement3  
**Host specification format**: IP

Movement ID	Movement Name	Delay timer	Host specific format	WinRM connection	Header section	Last update date/time	Last updated by
Auto-Input	<input type="text"/>	Auto-Input	Auto-Input				

**Point**  
User3 has "RoleB" and "RoleC" set with "With Default access permission", meaning that both Role B and C will automatically be set as access permission role.



**Exastro**