



IT Automation BASE Practice

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

Exastro IT Automation Version 1.9
Exastro developer

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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



ITA server

- CentOS7 (※1)
- ITA 1.9.0
- Ansible 2.11



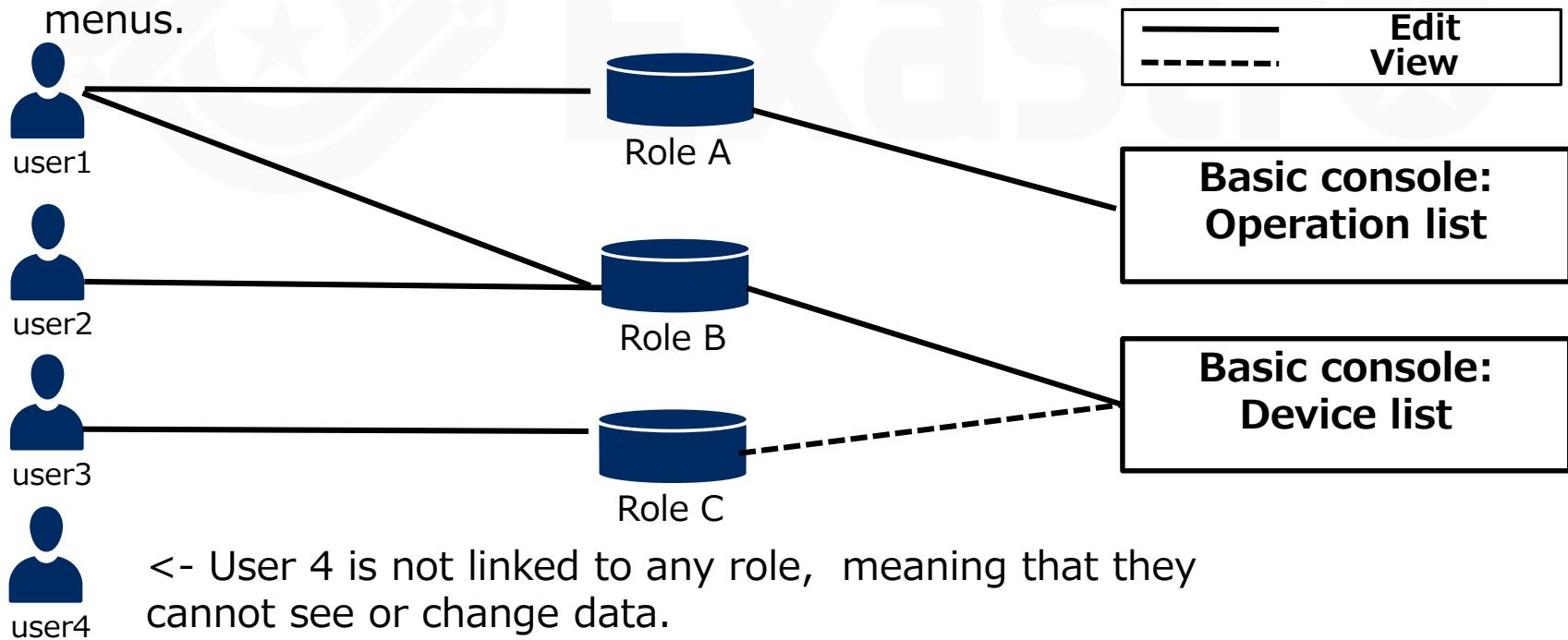
※1 In this scenario, the host server will be running CentOS7. However, ITA can be implemented to any RHEL7 or RHEL8 type OS.

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”

Exastro IT Automation Management Console

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

Description ▽ Open

Display filter

List/Update

Register

User ID Login ID* Login Password* User name* Mail address

Auto-input

※ * is a required item.

Back Register

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

Download all and edit file uploads ▽ Open

Role information ▽ Open

Trace history ▽ Open

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

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, there is a vertical navigation menu with various options like Main menu, System settings, etc. The 'Role list' option is highlighted and has a red box around it. A red circle labeled '1' points to the 'Role list' item in the menu. Another red circle labeled '2' points to the 'Register' button in the registration form.

The main content area displays a registration form for a new role. The form has a title 'Role name' and three input fields containing 'Role A', 'Role B', and 'Role C'. Below the input fields, a note says '※ * is a required item.' At the bottom of the form are two buttons: 'Back' and 'Register'. The 'Register' button is highlighted with a red box and a red circle labeled '2'.

On the right side of the registration form, there is a sidebar with several links:

- User name [System Administrator]
- Login ID [administrator]
- Change password
- Logout
- ▽ Open
- ▽ Open
- ▽ Open
- △ Close

At the very bottom of the page, there are links for 'Download all and edit file uploads', 'User information', 'Menu information', and 'Trace history', each with a '▽ Open' link next to it.

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Device/Operation list

Check access permission

2.5 Role · Menu link

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”

The screenshot shows the Exastro Management Console interface. On the left, a sidebar menu includes items like Main menu, System settings, and Role list. The 'Role · User link list' item is highlighted with a red box and a circled '1'. The main content area shows a registration form for a new role. A circled '2' points to the 'Menu group:' dropdown. To the right, a table lists three roles with their associated menu groups and permissions:

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

At the top right, there are links for creating users and roles, and for linking roles and menus. The 'Link Roles and Menus' link is highlighted with a red box.

2.6 Role • User link

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”

The screenshot shows the Exastro Management Console interface. On the left, there's a vertical navigation menu with items like Main menu, System settings, Menu group list, Menu list, Role list, User list, and several others. The 'Role • User link list' item is highlighted with a red box. In the main content area, there's a registration form with fields for Item No., Role (ID name)*, User ID: Login ID*, and Default access permission*. Below the form, a note says '※ * is a required item.' At the bottom of the form are 'Back' and 'Register' buttons. To the right of the registration form, there's a table showing existing role-user links:

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

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.

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”

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

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

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

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”

The screenshot shows the Exastro Basic Console interface. The left sidebar has a 'Menu' section with various options like Main menu, Device list, and Operation list (which is highlighted with a red box). The main content area has a 'Basic Console' header. Below it, there's a 'Description' section with 'Display filter', 'List/Update', and a 'Register' section. The 'Register' section contains a table with columns: No., Operation ID, Operation name*, Scheduled date for execution, Access p., Setting, Role, and a 'Setting' button. A note says '* is a required item.' Below the table are 'Back' and 'Register' buttons. At the bottom, there are links for 'Download all and edit file uploads' and 'Trace history'. In the top right, there's a user info box with 'User name: [System Administrator]' and 'Login ID: [administrator]'. A red callout box highlights the 'Operation name' and 'Scheduled execution date' columns in a table below the registration form. A red circle with the number '2' points to this table. The table rows show 'OP1' and 'OP2' with '(Free field)' in the 'Scheduled execution date' column.

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

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

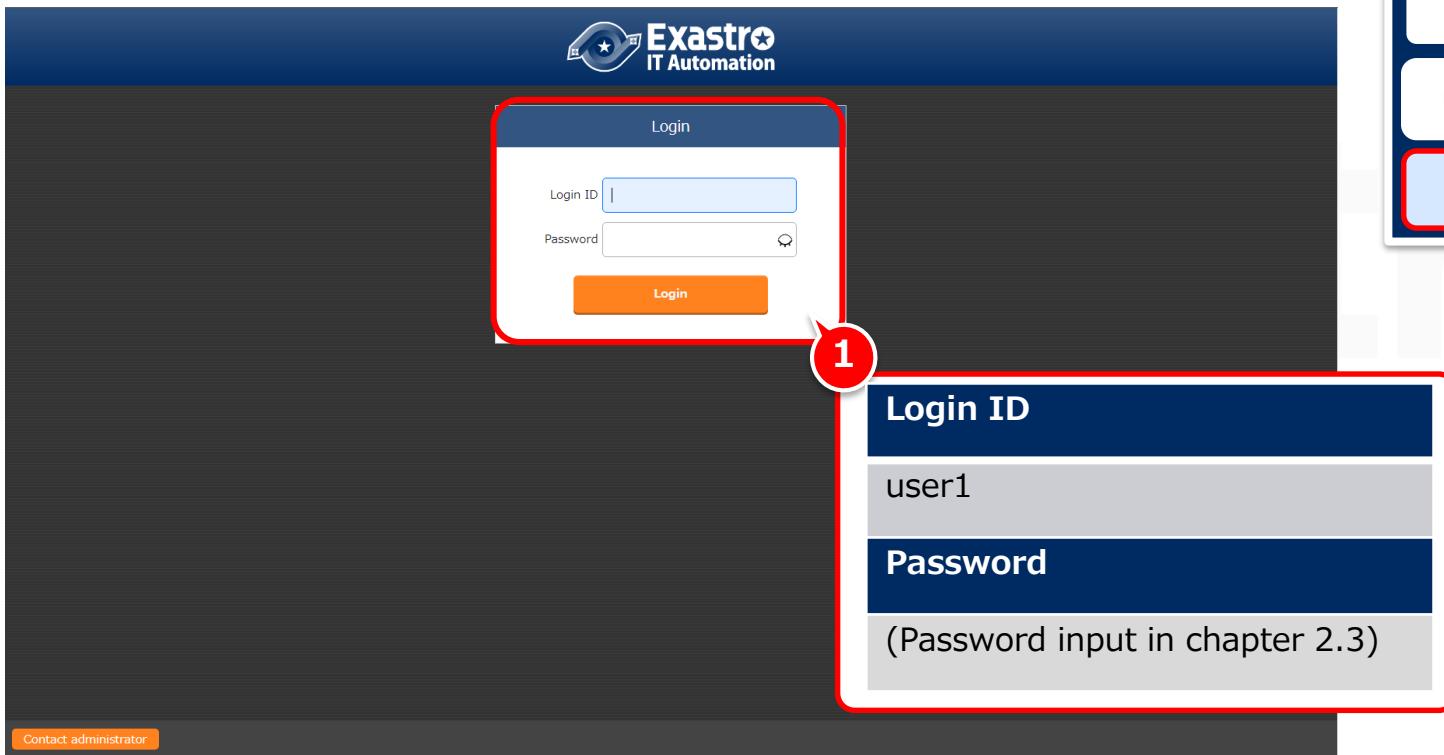
Register Device/Operation list

Check access permission

2.8 Check access permission(1/12)

Change account

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

The screenshot shows the Exastro IT Automation interface. A 'Change password' dialog is open, containing fields for 'Old password', 'New password', and 'New password (re-enter)'. A red box highlights this dialog, and a red circle with the number '2' points to the 'Old password' field. To the right, a detailed view of the input fields is shown in a red-bordered box:

Input Type	Value	Description
Login ID	user1	
Old password	(Password input in chapter 2.3)	(Free value)
New password	(Free value)	(Free value)
New password (re-enter)		

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(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

The screenshot shows the Exastro Basic Console interface. At the top, there is a header bar with the Exastro logo, the text "Basic Console", and a user login status: "User name [test1] Login ID [user1]". Below the header are two buttons: "Role" and "Logout". To the right of the "Role" button is a red circle with the number "1", indicating a step. In the center of the screen, there is a "Role" dialog box. This dialog box has a title bar "Role" and a content area containing the text "Role A" and "Role B". A red circle with the number "2" is placed over this dialog box, also indicating a step. The background of the console shows a dashboard with three cards: "Movement", "Status", and "Work result". On the left side, there is a sidebar with a "Main menu" section containing "Device list" and "Operation list", and a "Basic Console" menu group which is currently selected, indicated by a gear icon.

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

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

The screenshot shows the Exastro Basic Console interface. At the top, there is a navigation bar with the Exastro logo, the title '基本コンソール', and user information: 'ようこそ[テスト用1]さん' and 'ログインID [user1]'. Below the navigation bar are several buttons: 'ロール', 'パスワード変更', and 'ログアウト'. On the left side, there is a sidebar with 'メニュー' (Menu), 'オペレーション一覧' (Operation list), and '機器一覧' (Device list). The main content area is titled '説明' (Description) and contains a '表示フィルタ' (Display Filter) section. This section includes a search bar with dropdown menus for '停止' (Stop), '管理システム項目番号', '機器種別', 'ホスト名', 'IPアドレス', and 'EtherWakeOnLan' (with sub-fields 'MACアドレス' and 'ネットワークデバイス名'). Below the search bar are two buttons: 'フィルタ' (Filter) and 'フィルタクリア' (Clear Filter). A checkbox 'オートフィルタ' (Auto Filter) is also present. A red circle labeled '1' is placed over the 'フィルタ' button. Below this is a table with a single row. The table has columns for '履歴' (History), '複製' (Copy), '更新' (Update), '停止' (Stop), '管理システム項目番号', '機器種別', 'ホスト名', 'IPアドレス', 'EtherWakeOnLan' (with sub-fields '電源ON', 'MACアドレス', and 'ネットワークデバイス名'), 'ログインパス' (Login Pass), '最終更新日時', and '最終更新者'. The table row contains values: '履歴', '複製', '更新', '停止', '1', 'SV', 'hostA', '10.100.10.100', '電源ON', '*****', '2022/01/04 16:42:18', and 'システム管理者'. A red circle labeled '2' is placed over the '更新' (Update) button in the table row. A red box surrounds the entire table row. A callout box with a red border and red text points to the 'Edit' icon in the table row: 'Users with "Can maintain" displayed in the link settings are able to edit. (See more information on slide 22.)'

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(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

The screenshot shows the Exastro Basic Console interface. On the left, there is a navigation menu with options like Main menu, Device list, and Operation list. The main area has tabs for Description and Display filter. The Display filter tab is active, showing a search form with various fields and a 'Filter' button highlighted with a red circle labeled '1'. Below it, the Operation list tab is active, showing a table with columns: History, Duplicate, Update, Discard, No., Operation ID, Operation name, and Scheduled date for execution. Two rows are visible: one for 'OP1' and one for 'OP2'. Both rows have an 'Edit' icon (pencil) in the History column, which is highlighted with a red circle labeled '2'. A red box encloses the entire list table. At the bottom of the list table, there is a note: "Users with 'Can maintain' displayed in the link settings are able to edit. (See more information on slide 22.)".

History	Duplicate	Update	Discard	No.	Operation ID	Operation name	Scheduled date for execution
History	Duplicate	Update	Discard	5	5	OP1	2021/12/08 19:00
History	Duplicate	Update	Discard	6	6	OP2	2021/12/09 15:10

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(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

The screenshot shows the Exastro IT Automation dashboard. At the top right, there is a login status bar with "User name [test2]", "Login ID [user2]", and buttons for "Role", "Change password", and "Logout". A red box highlights this area, and a red circle with the number "1" points to the "Role" button. Below the status bar, there are three circular performance indicators: "Movement" (0), "Work status" (0), and "Work result" (0). A red box highlights the "Movement" indicator, and a red circle with the number "2" points to its value "0". In the center, a modal window titled "Role" is open, showing a single entry: "Role B". A red box highlights this modal window. On the left side, there is a sidebar with a "Basic Console" icon and a "Work history" section. At the bottom left, there is a "Contact administrator" link. To the right of the dashboard, there is a vertical stack of six buttons, each with a title: "Create and register new users", "Create and register Roles", "Link Roles and Menus", "Link Roles and Users", "Register Device/Operation list", and "Check access permission". The "Check access permission" button is highlighted with a red box and a red circle with the number "1".

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

The screenshot shows the Exastro Basic Console interface. At the top, there is a navigation bar with 'Exastro IT Automation' logo, 'Basic Console' title, and user info ('User name [test2]', 'Login ID [user2]', 'Change password', 'Logout'). On the left, there is a sidebar with 'Main menu' and 'Device list' options. The main area has two tabs: 'Description' (selected) and 'Display filter'. The 'Display filter' tab contains a search interface with fields for 'Discard', 'Managed system item number', 'HW device type', 'Host name', 'IP address', 'MAC', 'Last update date/time', and 'Last updated by'. Below this is a 'Filter' button (circled with red number 1) and a 'Clear filter' button. A checkbox for 'Auto-filter' is also present. The 'List/Update' tab is shown below, containing a table with columns: History, Duplicate, Update, Discard, Managed system item number, HW device type, Host name, IP address, EtherWake, Power ON, MAC address, Last update date/time, and Last updated by. There are buttons at the bottom of this table: History, Duplicate, Update, Discard, and a status indicator showing '4'. A red box labeled '2' highlights the 'History' button. A red callout box points from the 'History' button to a note: 'Users with "Can maintain" displayed in the link settings are able to edit. (See more information on slide 20.)' At the bottom of the console, there are 'Contact administrator' and 'Output Excel' buttons.

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(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 shows a web-based application interface for managing devices. On the left, there's a sidebar with 'Main menu' and 'Device list'. The main area has two tabs: 'List/Update' and 'Register'. The 'List/Update' tab is active, showing a table with columns like History, Managed system item number, HW device type, Host name, IP address, EtherWake, Power ON, MAC address, Last update date/time, and Last updated by. Below the table are buttons for History, Duplicate, Update, Discard, and a green 'Output Excel' button. A message says 'Filter result count: 1'. The 'Register' tab shows options to Download all and edit file uploads, with buttons for Download all, Download all (Excel), Download for new registration (Excel), Choose File (with 'No file chosen'), and Upload file. A 'Trace historyDownload all' link is also present. At the bottom, there are 'Contact administrator' and other navigation icons.

Point

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

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(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 basic console interface. At the top right, there is a user login header with the text "ようこそ[テスト用3]さん ログインID [user3]" and three buttons: "ロール" (Role), "パスワード変更" (Change Password), and "ログアウト" (Logout). A red circle labeled "1" points to the "ロール" button. Below the header, a red box labeled "Check access permission" highlights the "Role" section of the main content area. A red circle labeled "2" points to a modal dialog titled "Role" which displays the single entry "RoleC".

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.

The screenshot shows the Exastro Basic Console interface. At the top, there is a navigation bar with 'Exastro IT Automation' logo, 'Basic Console' title, and user information ('User name [Test3]', 'Login ID [user3]', 'Change password', 'Logout'). On the left, there is a sidebar with 'Main menu' and 'Device list' options. The main area is titled 'Device list'. It contains a 'Display filter' dialog with various search fields and a 'Filter' button (marked with a red circle 1). Below it is a table with columns: History, Managed system item number, HW device type, Host name, IP address, EtherWakeOnLan, AC address, Network device name, login user ID, Last update date/time, and Last updated by. The first row of the table is highlighted with a green background (marked with a red circle 2). At the bottom of the table, there is a message 'Filter result count: 1' and an 'Output Excel' button.

The user will not be able to edit contents if the permission settings is set to "View only".
(See Slide 22)

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(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. On the left is a sidebar with 'Exastro IT Automation' logo, 'Basic Console' title, 'Main menu', and 'Device list'. The main area has a header 'Basic Console' with 'User name (Test)', 'Login ID (user)', 'Change password', and 'Logout'. Below the header is a table with a single row of data. The table has columns: History, Managed system item number, HW device type, Host name, IP address, EtherWakeOnLan, MAC address, Network device name, Login user ID, Management, Login p, Last update date/time, and Last updated by. The data row contains: History, 4, SV, LearnTest, 123.123.123.123, EtherWakeOnLan, MAC address, Network device name, Login user ID, Management, Login p, Last update date/time, and Last updated by. A red box highlights the entire table. A red circle with the word 'Point' is overlaid on the bottom left of the table. To the right of the table, a callout box contains text about edit functions being unavailable for 'View only' 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

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.

The screenshot shows the Exastro IT Automation dashboard. At the top, there is a header with the Exastro logo, a menu icon, and a 'DASHBOARD' button. Below the header, the main menu section displays a message: 'There are no "Menu group" that can be displayed.' To the right of this, there are three circular status dashboards: 'Movement' (0 Total), 'Work status' (0 Total), and 'Work result' (0 Total). Each dashboard has a corresponding table below it showing various metrics. At the bottom of the dashboard area, there is a 'Work history' section with a table and a 'Contact administrator' button at the very bottom.

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



ITA Server

- CentOS7 (※1)
- ITA 1.9.0
- Ansible 2.11

※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

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
								ホスト指定形式	WinRM接続	ヘッダーセクション	オプションパラメータ		アクセス許可ロール			
履歴	複製	更新	廃止	6 move1	Ansible Legacy		IP					Movement-Playbook紐付	○→ルA, □→ルB		2021/08/23 10:23:04	システム管理者
履歴	複製	更新	廃止	7 move2	Ansible Legacy		IP					Movement-Playbook紐付	○→ルA		2021/08/23 10:29:47	システム管理者
履歴	複製	更新	廃止	10 move3	Ansible Legacy		IP					Movement-Playbook紐付	○→ルB		2021/08/23 10:23:46	システム管理者
履歴	複製	更新	廃止	11 move4	Ansible Legacy		IP					Movement-Playbook紐付	○→ルC		2021/08/23 10:23:52	システム管理者

User name [System Administrator]
Login ID [administrator]

Role Change password Logout

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

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
								ホスト指定形式	WinRM接続	ヘッダーセクション	オプションパラメータ		アクセス許可ロール			
履歴	複製	更新	廃止	6 move1	Ansible Legacy		IP					Movement-Playbook紐付	******(5), □→ルB		2021/08/23 10:23:04	システム管理者
履歴	複製	更新	廃止	10 move3	Ansible Legacy		IP					Movement-Playbook紐付	○→ルB		2021/08/23 10:23:46	システム管理者

User name [test2]
Login ID [user2]

Role Change password Logout

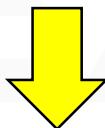
3.2 RBAC for Data records(2/3)

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”

The screenshot shows the Exastro Management Console interface. On the left, a sidebar lists various menu items, with 'User list' highlighted by a red box. The main content area is titled 'Management Console' and shows a table for user registration. The table has columns for 'Login ID', 'Login PW', and 'User name'. Three rows are populated with data: user1, user2, and user3. Each row contains a '(Free field)' placeholder in the 'Login PW' column. A red callout bubble with the number '2' points to the table. At the bottom of the registration form, there are 'Back' and 'Register' buttons, with 'Register' also highlighted by a red box. The top right corner of the screen shows user information and navigation links: 'User name [System Administrator]', 'Login ID [Administrator]', 'Change password', and 'Logout'.

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

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Movement list

Check access permission

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, there is a sidebar with various menu items. The 'Role list' item is highlighted with a red box and has a red number '2' above it, indicating the current step. The main content area shows a table for registering new roles. The table has columns for 'Role ID' (Auto-input), 'Role name*' (empty input field), 'Access setting' (button labeled 'Setting'), and two 'Auto-input' fields for 'Role description' and 'Role notes'. A note at the bottom says '※ * is a required item.' Below the table are 'Back' and 'Register' buttons, with the 'Register' button also highlighted with a red box. To the right of the table, there is a list of other management tasks like 'Download all and edit file uploads', 'User information', 'Menu information', and 'Trace history', each with an 'Open' button. At the top right, there is a user info bar for 'System Administrator'.

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Movement list

Check access permission

3.5 Role • Menu link

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”

The screenshot shows the Exastro Management Console interface. On the left, a sidebar lists various management options. The 'Role • Menu link list' option is highlighted with a red box and has a red circle with the number 2 pointing to its 'Register' button. The main content area displays a table linking three roles to a single menu group. The table has columns for Role, Menu group: Menu, and Link. All three roles have 'AnsibleLegacy: Movement list' assigned and are marked as 'Can Maintain'.

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

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Movement list

Check access permission

3.6 Role · User link(1/4)

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)

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

3.6 Role · User link(2/4)

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 Management Console interface. On the left, there's a sidebar with various menu items. The main area displays a registration form for linking roles to users. A table is present with three rows, each containing a role name, user ID, and default access permission. A red circle with the number 2 is drawn around the 'Role name' column header of the table.

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

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

3.6 Role · User link(3/4)

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 Setting	Role to allow access	Last update date/time	Last updated by
Auto-input				Setting		Auto-input	Auto-input
	Role B	user2			●		

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Movement list

Check access permission

3.6 Role · User link(4/4)

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. On the left, there is a sidebar with various menu items. The 'Role · User link list' item is highlighted with a red box and has a red number '2' above it, indicating the current step. The main area displays a table titled 'Role · User link list'. The table has columns for Item No., Role (ID name)*, User ID: Login ID*, Default access permission, Access permission setting, Role to allow access, Last update date/time, and Last updated by. There are two rows in the table: one for 'Role B' linked to 'user3' with a dot in the 'Default access permission' column, and another for 'Role C' linked to 'user3' with a dot in the same column. The table is surrounded by a red border.

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	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 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”

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

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

Select	ID	Name
<input checked="" type="checkbox"/>	1	System Administrator
<input type="checkbox"/>	2	role A
<input type="checkbox"/>	3	role B
<input type="checkbox"/>	4	role C

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

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

The screenshot shows the Exastro IT Automation interface. At the top, there is a header bar with the Exastro logo, the text "Ansible-Legacy", and a user login status: "User name [test1] Login ID [user1]". Below the header is a navigation bar with "Menu" and "DASHBOARD" tabs. Under "Main menu", there is a "Movement list" item. In the center, there is a "Movement" card. On the left side, there is a "Basic Console" icon and an "Ansible-Legacy" icon. A red circle labeled "1" points to the user login information at the top right. A red circle labeled "2" points to a modal window titled "Role" which lists "Role A", "Role B", and "Role C".

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"

The screenshot shows the Ansible-Legacy application interface. On the left, there is a sidebar with 'Exastro IT Automation' logo, 'Ansible-Legacy' title, and 'Movement list' selected. The main area has two tabs: 'Description' (selected) and 'Display filter'. The 'Display filter' tab contains a form with various search fields and a red box around the 'Filter' button, which is highlighted with a red circle labeled '1'. Below this is a 'List/Update' tab containing a table of movements. The table has columns: History, Duplicate, Update, Discard, Movement ID, Movement Name, Orchestrator, Access permission, Remarks, Last update date/time, and Last updated by. The table shows four rows of data: move1 (Role A, Role B), move2 (Role A), move3 (Role B), and move4 (Role C). A red arrow points from the 'Filter' button in the display filter tab to the 'Access permission' column in the movement table. At the bottom of the table, it says 'Filter result count: 4' and has an 'Output Excel' button.

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

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Movement list

Check access permission

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

The screenshot shows the Ansible-Legacy interface for registering a new movement. The main area displays a table with two columns: 'Movement name' (containing 'movement1') and 'Host specification format' (containing 'IP'). Below this table is a form with several input fields. A red box highlights the 'Movement name' and 'Host specification format' fields. A red circle labeled '2' points to the 'Host specific format' dropdown. A red circle labeled '3' points to the 'Register' button. A red callout bubble labeled 'Point' contains text about access permissions.

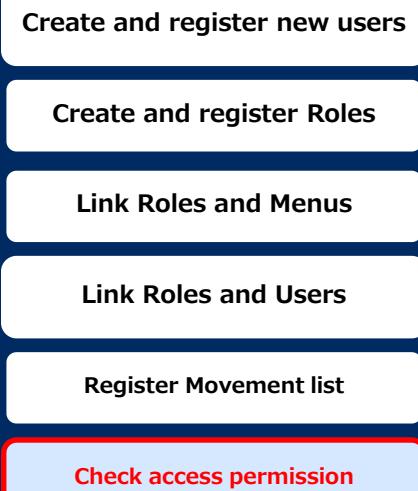
Movement name | Host specification format

Movement ID	Movement Name	Delay timer	Host specific format	Dedicated information for ansible	WinRM connection	Header section	Last update date/time	Last updated by
Auto-input	movement1			WinRM connection		Header section	Auto-input	Auto-input

Back | Register

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

The screenshot shows the Exastro IT Automation dashboard. At the top right, there is a user info bar with "User name [test2]", "Login ID [user2]", "Role" (highlighted with a red box and circled with a red arrow labeled 1), "Change password", and "Logout". Below this, a modal window titled "Role" is open, showing a single entry "Role B". In the bottom right corner of the modal, there is a close button (X). The main dashboard area contains sections for "Movement", "Status", and "Work result". Under "Movement", there are tabs for "Movement", "Status", and "Result". The "Status" tab is active, showing a table with columns: Ansible Legacy Role, Unexecuted, Unexpected error, Terraform, Emergency stop, and Schedule cancellation. The table has one row with values: Ansible Legacy Role (8), Unexecuted (0), Unexpected error (0), Terraform (8), Emergency stop (0), and Schedule cancellation (0). Below the table is a section titled "Work history" which is currently empty. A red box highlights the "Role" button in the user info bar, and another red box highlights the "Role B" entry in the modal window. A red arrow labeled 2 points from the "Role" entry in the modal back to the "Role" button in the user info bar.

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(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”

The screenshot shows the Ansible-Legacy Movement list interface. At the top, there is a navigation bar with the Exastro logo, the title 'Ansible-Legacy', and user information: 'User name [Test2]', 'Login ID [user2]', 'Change password', and 'Logout'. Below the navigation bar is a sidebar with 'Main menu' and 'Movement list' options. The main content area has tabs for 'Description' and 'Display filter'. A red circle with the number '1' is placed over the 'Display filter' tab. The 'Display filter' section contains various search fields and two orange buttons: 'Filter' (which is highlighted with a red box) and 'Clear filter'. Below this is a table titled 'List/Update' with columns: History, Duplicate, Update, Discard, Movement ID, Movement Name, Orchestrator, Access permission, Role to allow access, Remarks, Last update date/time, and Last updated by. Two rows of data are visible: one for 'move1' (Role A) and one for 'move3' (Role B). A red arrow points from the 'Check access permission' button in the sidebar to the 'Role to allow access' column in the table. At the bottom of the page, there are buttons for 'Output Excel' and 'Register', and a link to 'Download all and edit file uploads'. A red box also surrounds the 'Output Excel' button.

Create and register new users

Create and register Roles

Link Roles and Menus

Link Roles and Users

Register Movement list

Check access permission

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

The screenshot shows the Ansible-Legacy Movement list interface. On the left, there's a sidebar with 'Main menu' and 'Movement list'. The main area has a table with columns: Movement ID, Movement Name*, Delay timer, Host specific format*, and Dedication. A red callout bubble labeled '2' points to the 'Movement Name*' input field, which contains 'movement2'. To the right of the table is a modal dialog with two tabs: 'Movement name' and 'Host specification format'. The 'Movement name' tab shows 'movement2' and the 'Host specification format' tab shows 'IP'. Both tabs have a red border. At the bottom of the table and the modal are 'Back' and 'Register' buttons. A note at the bottom says '※* is a required item.'

Point

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

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

The screenshot shows the Exastro IT Automation dashboard. At the top, the header reads "Exastro IT Automation Ansible-Legacy". The top right corner displays "User name [test3]", "Login ID [user3]", and three buttons: "Role", "Change password", and "Logout". A red box highlights this area, and a red circle with the number "1" points to the "Logout" button. Below the header, the main menu includes "Main menu" and "Movement list". The dashboard features a "DASHBOARD" section with a "Menu group" containing "Basic Console" and "Ansible-Legacy". In the center, there are three circular performance indicators labeled "Movement", "Work status", and "Result". A modal window titled "Role" is open in the foreground, listing "Role B" and "Role C". A red box highlights this modal, and a red circle with the number "2" points to the "Role B" entry. At the bottom, there is a "Work history" section and a "Contact administrator" link.

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"

The screenshot shows the Ansible-Legacy interface with the 'Movement list' selected. A modal window titled 'Display filter' is open, showing various search fields and a 'Filter' button highlighted with a red circle labeled '2'. Below it, a table titled 'List/Update' displays four rows of movement data. The columns include History, Duplicate, Update, Discard, Movement ID, Movement Name, Orchestrator, Access permission, Remarks, Last update date/time, and Last updated by. The 'Access permission' column is highlighted with a red box. A red arrow points from this box to a callout box at the bottom right.

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 B	*****(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	10 movement2	Ansible Legacy	Role B			2021/12/08 15:37:25	Test2

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.

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(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

Movement name

movement3

Host specification format

IP

Point

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



Exastro