IT Automation

Quick Start

※ In this document, “Exastro IT Automation” is described as “ITA".

Version 1.1

Exastro developer

Table of Contents

1. Introduction

1.1 Web Console Login Screen

Web console **Login** Screen

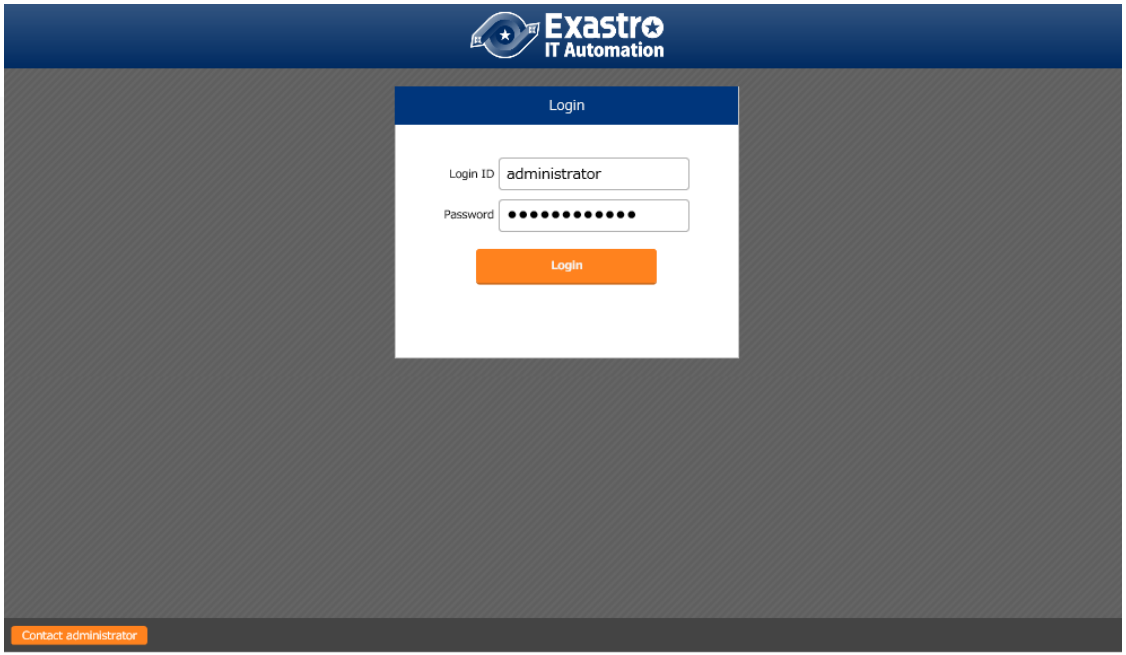
- Access the following URL to display the **Login** screen:
  https://exastro-it-automation/

POINT

Immediately after the first login, you will be prompted to change your password.

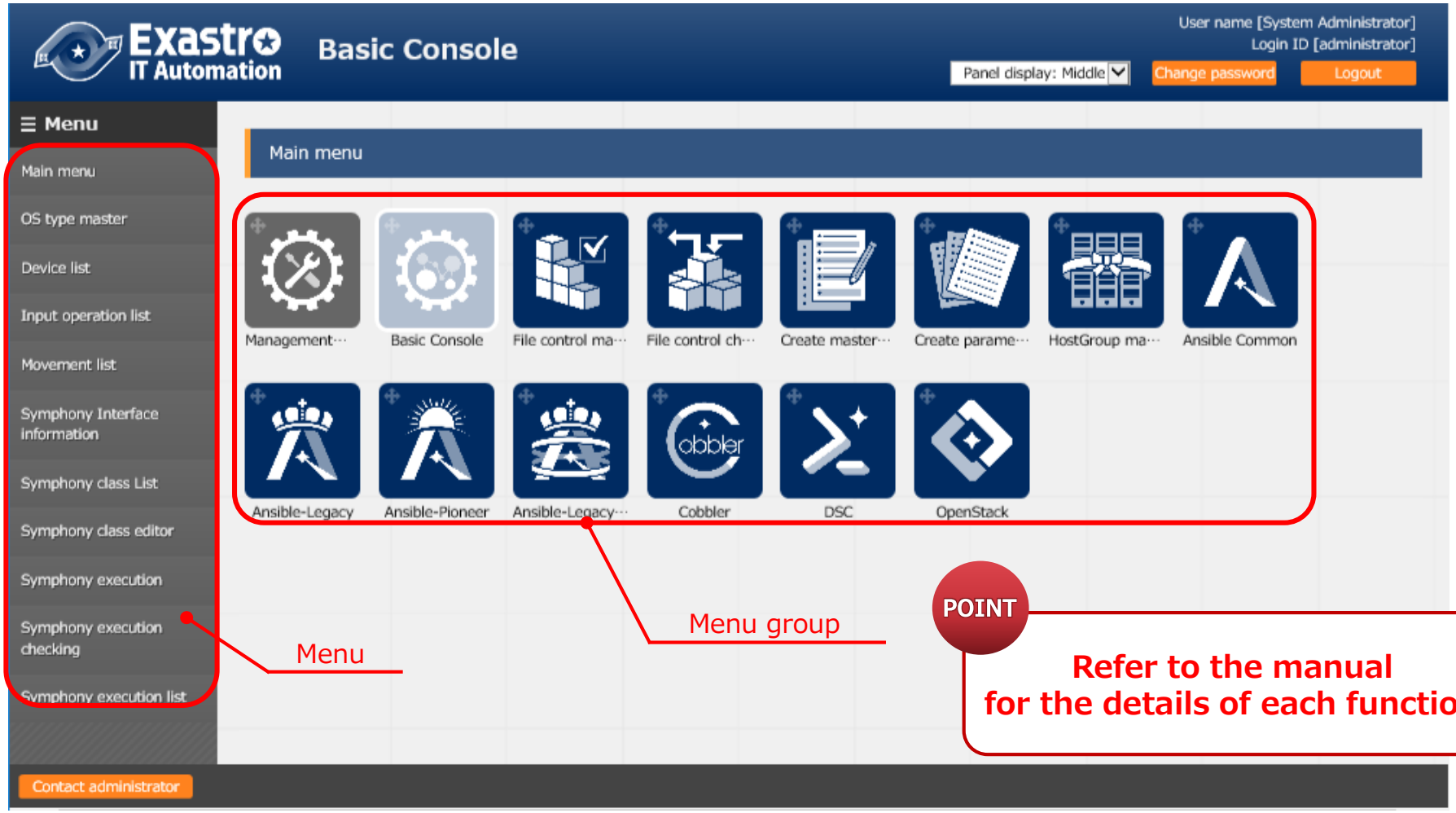
POINT

To deploy IT Automation, refer to **"ITA-online-install_en.pdf"**.



Screen description: **Main menu**

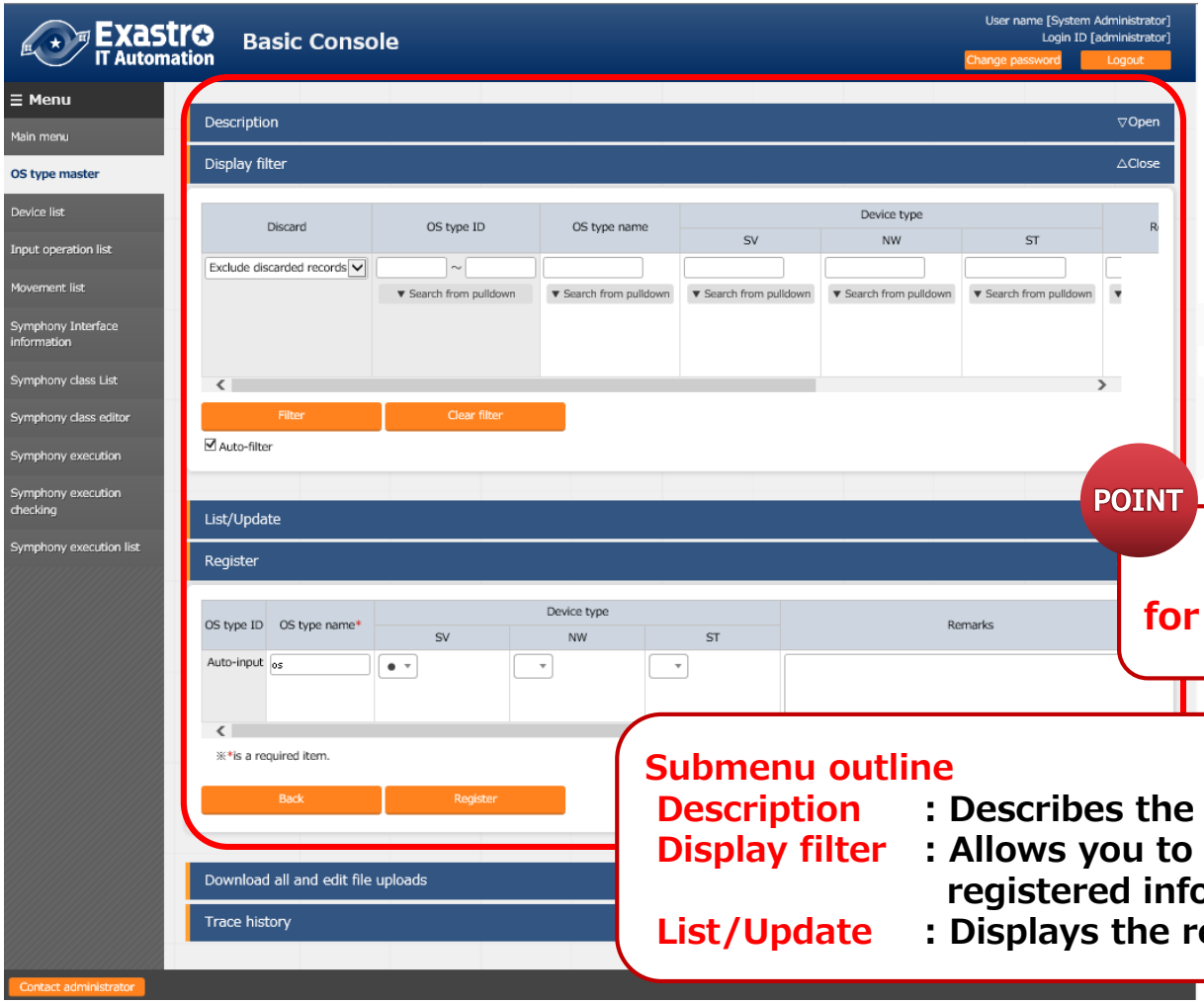
- Basic names are as follows:



1.3 Screen Description: Other Menus (1/2)

Screen description: other menus

- Basic names are as follows:



POINT

Refer to the manual for the details of each function.

Submenu outline

Description : Describes the menu being displayed.

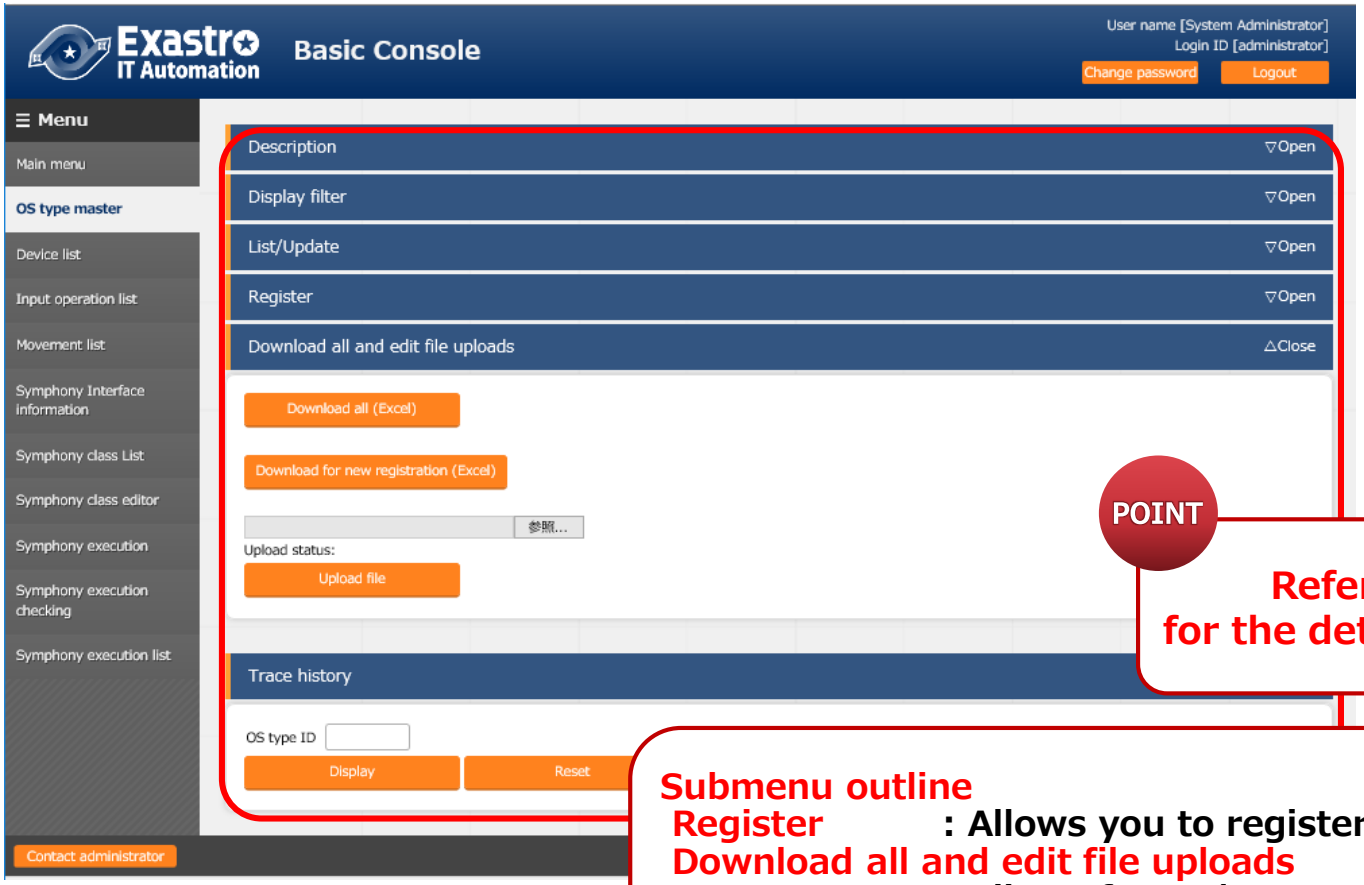
Display filter : Allows you to search for registered information.

List/Update : Displays the registered information.

1.4 Screen Description: Other Menus (2/2)

Screen description: other menus

- Basic names are as follows:



POINT

Refer to the manual for the details of each function.

Submenu outline

Register : Allows you to register records from the Web.

Download all and edit file uploads : Allows for IN/OUT processing with Excel.

Trace history : Allows you to display the track changes of registered records.

2. Procedure Description

2.1 Overall Procedure and Work Scope

Post-deployment procedure including executing Ansible-Legacy

- The following illustrates the overall procedure and work scope for developers/operators:

POINT

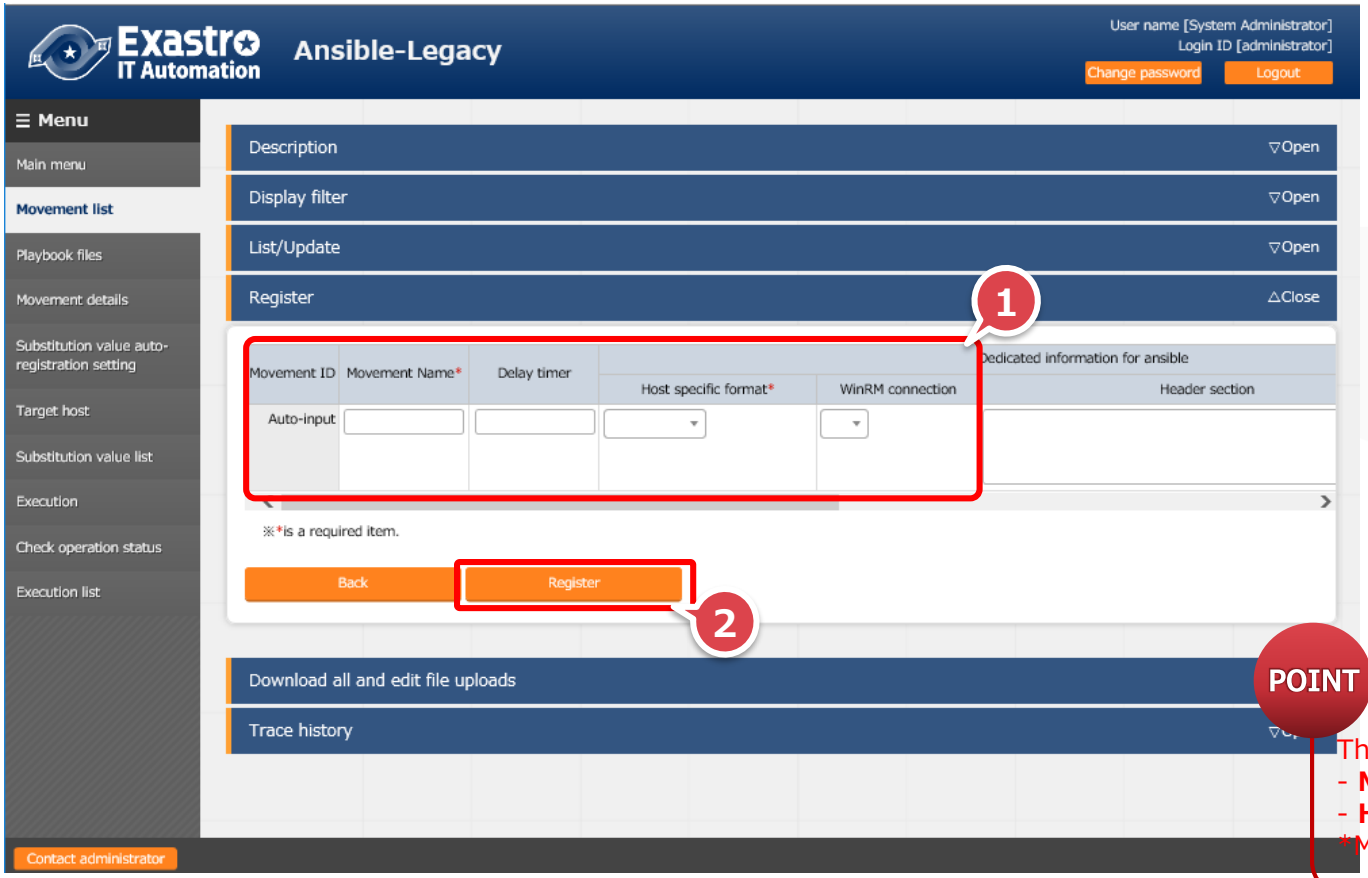
The preparation contains IaC registration and workflow creation.
The execution includes repeatedly performing the registered workflow.

3. Preparation

3.1 Registering an IaC (1/3)

Registering a new Movement in **Movement list**

- From the **Main menu** screen, select **Ansible-Legacy** > **Movement list**.
  To start the registration, click the **Register** button.



POINT

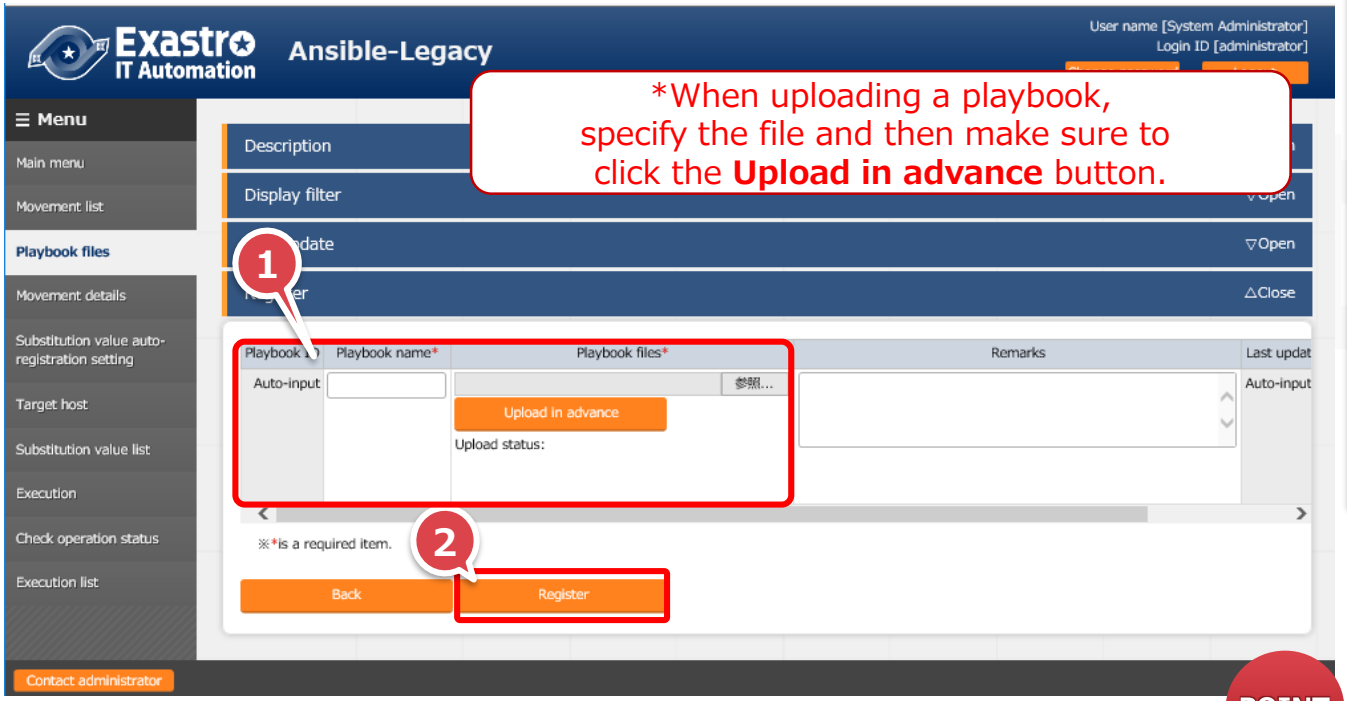
The following are mandatory fields:
- **Movement Name**
- **Host specific format**

*Movement: A name of minimum work

3.2 Registering an IaC (2/3)

Registering a new playbook in **Playbook files**

- From the **Main menu** screen, select **Ansible-Legacy** > **Playbook files**.
  To start the registration, click the **Register** button.
  *If no playbook is prepared, use any of the playbooks described in Appendix (Reference 4).



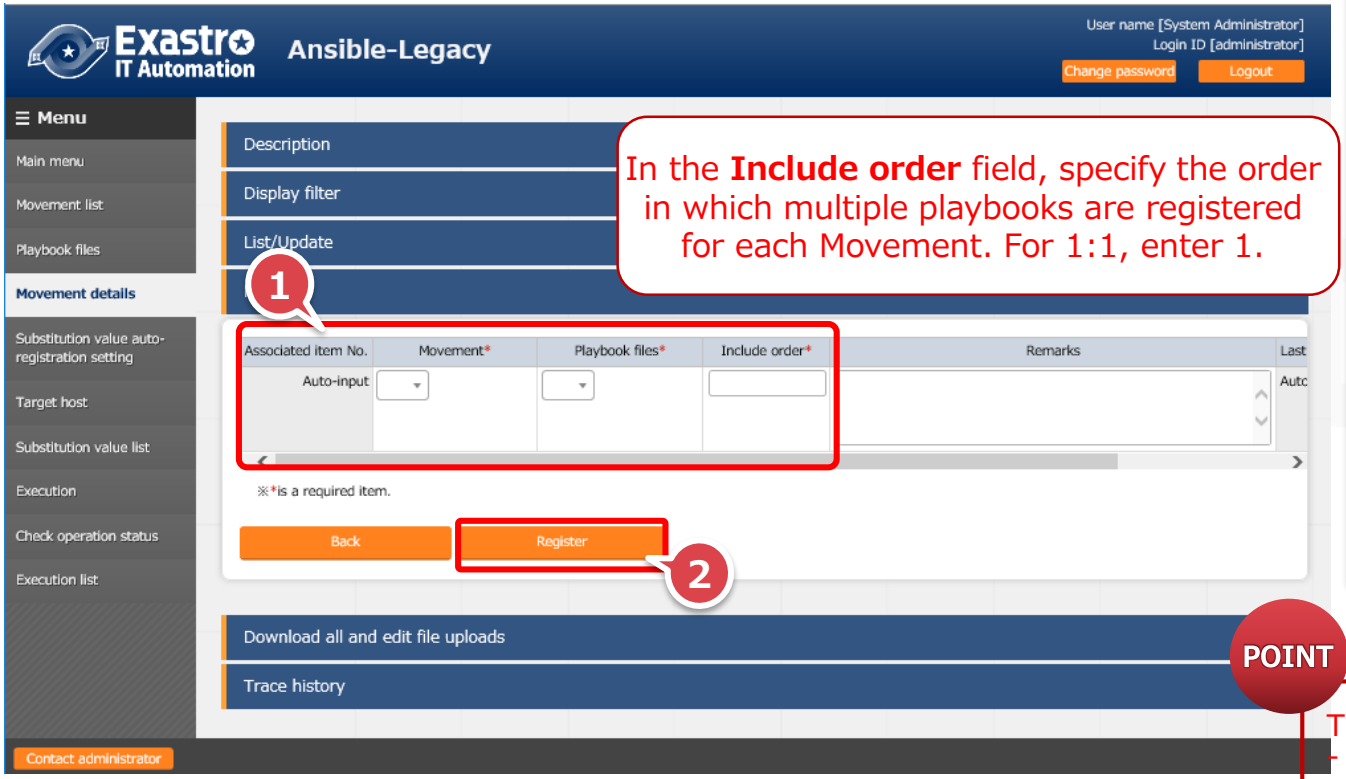
POINT

The following are mandatory fields:
- **Playbook name**
- **Playbook files**

3.3 Registering an IaC (3/3)

Registering in **Movement details**

- From the **Main menu** screen, select **Ansible-Legacy** > **Movement details**.
  To start the registration, click the **Register** button.



In the **Include order** field, specify the order in which multiple playbooks are registered for each Movement. For 1:1, enter 1.

POINT

The following are mandatory fields:
- **Movement**
- **Playbook files**
- **Include order**

3.4 Creating the Workflow Including the IaC

Creating a workflow in **Symphony class editor**

- From the **Main menu** screen, select **Basic Console** > **Symphony class editor**.

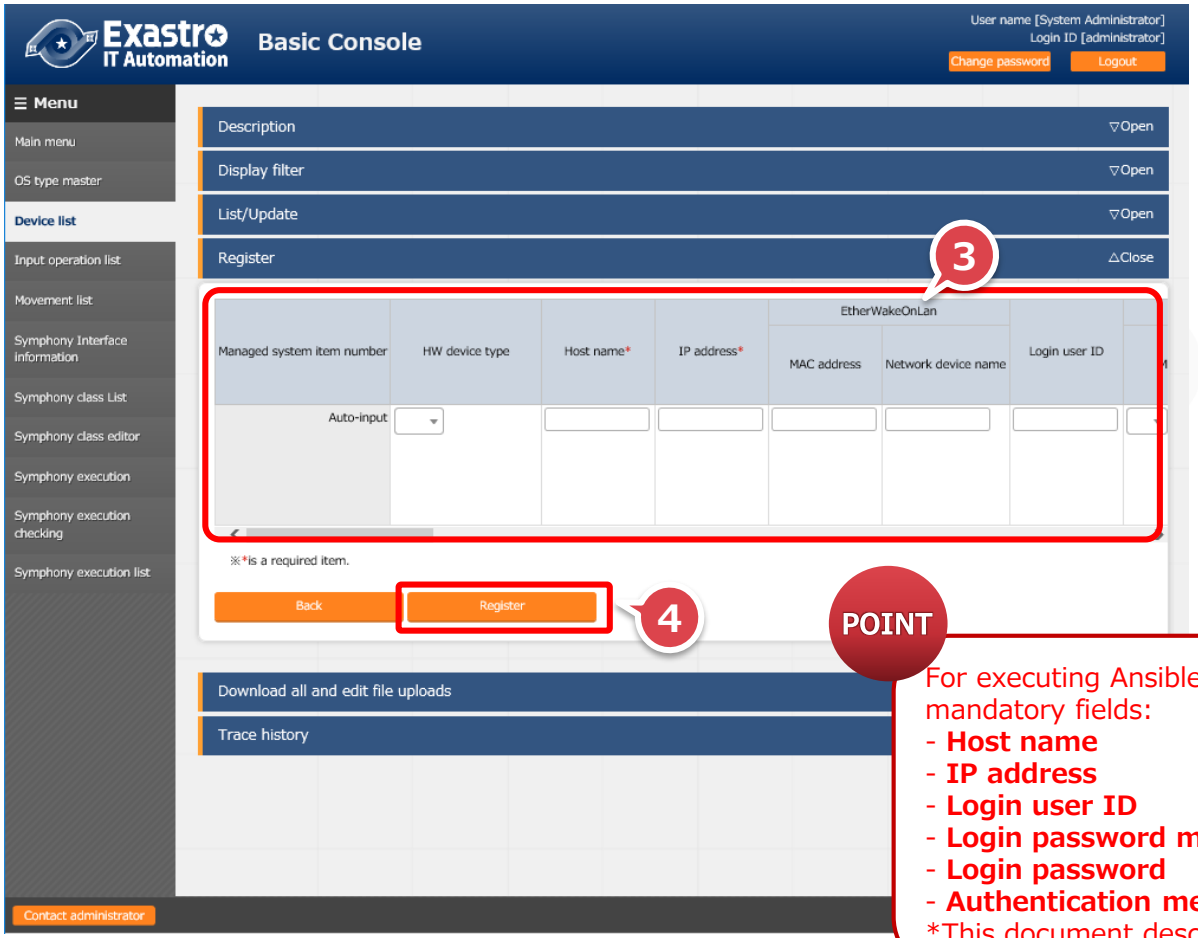
POINT

From the list of created Movements, drag and drop the desired Movement to register it.

3.5 Registering a Target Linux Machine in Device list

Registering a new target host in **Device list**

- From the **Main menu** screen, select **Basic Console** > **Device list**.
  To start the registration, click the **Register** button.



Registering an IaC
Creating the Workflow Including the IaC
Registering a Target Linux Machine in Device list
Registering a New Operation Name
Connecting the Target to the IaC
Executing the Workflow

POINT

For executing Ansible-Legacy, the following are mandatory fields:
- **Host name**
- **IP address**
- **Login user ID**
- **Login password management**
- **Login password**
- **Authentication method***

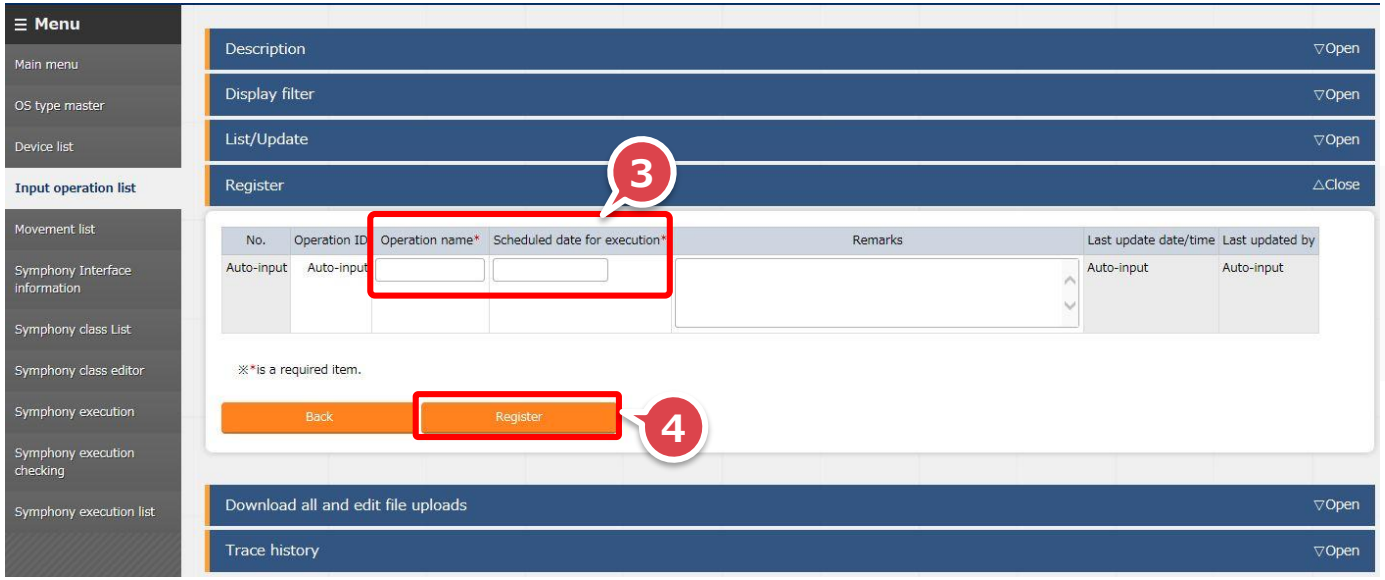
*This document describes it as password authentication.

4. Execution

4.1 Registering a New Operation Name

Registering a new operation name on **Input operation list**

- From the **Main menu** screen, select **Basic Console** > **Input operation list**.
  To start the registration, click the **Register** button.
  *Operation refers to the operation name used in the IT Automation system that indicates the whole operation.



Registering an IaC
Creating the Workflow Including the IaC
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Connecting the Target to the IaC
Executing the Workflow

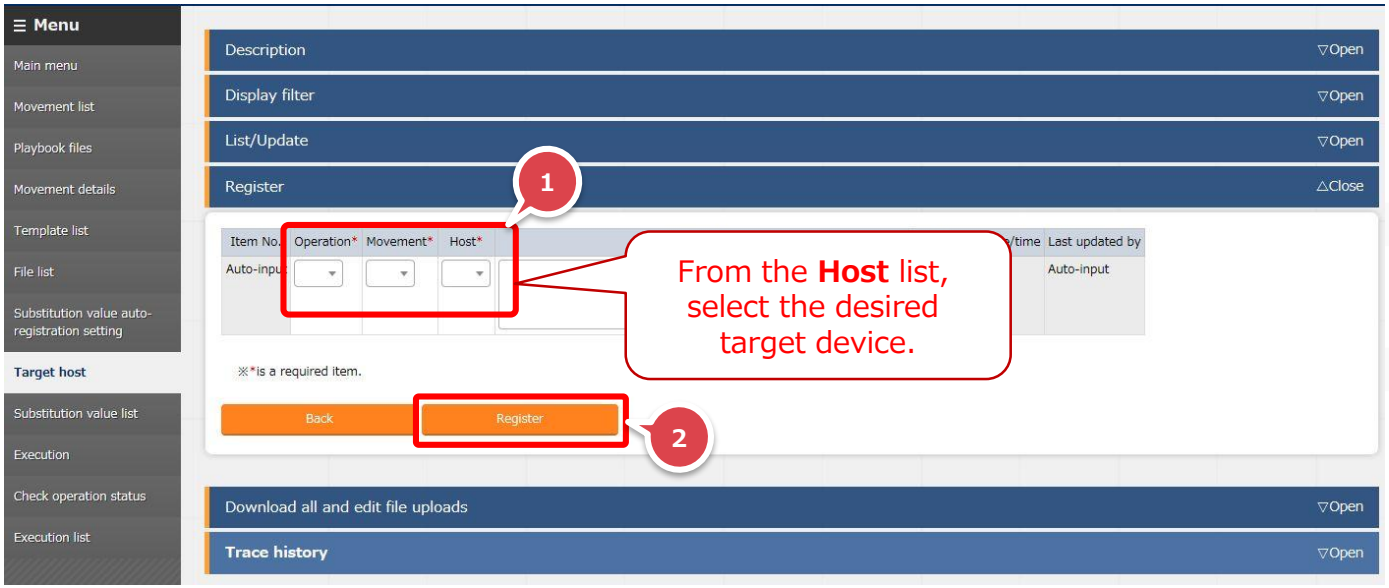
POINT

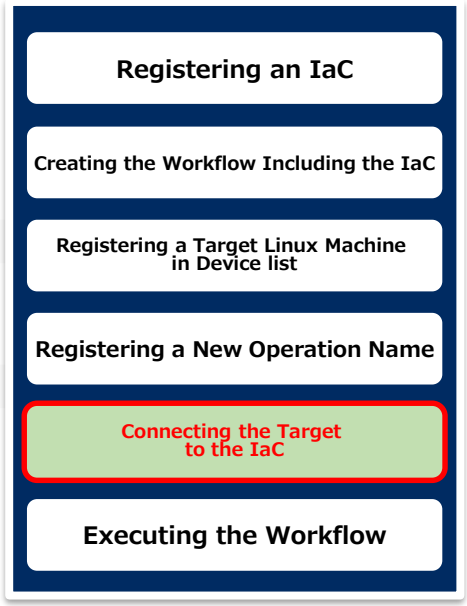
The following are mandatory fields:
- **Operation name**
- **Scheduled date for execution**

4.2 Connecting the Target to the IaC

Registering on **Target host**

- From the **Main menu** screen, select **Ansible-Legacy** > **Target host**.
  To start the registration, click the **Register** button.





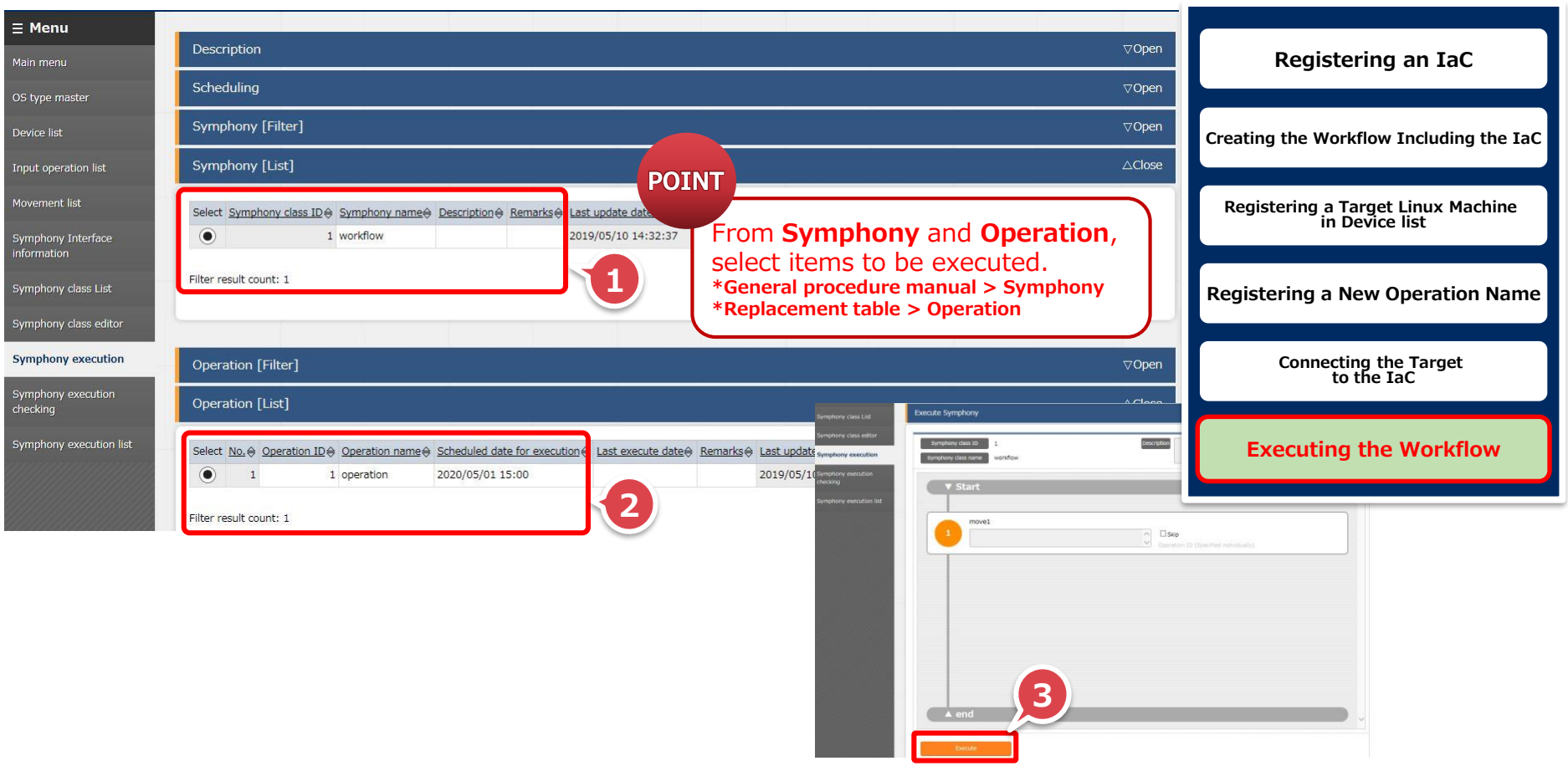
POINT

The following are mandatory fields:
- **Operation**
- **Movement**
- **Host**

4.3 Executing the Workflow

Executing Symphony

- From the **Main menu** screen, select **Basic Console** > **Symphony execution**.

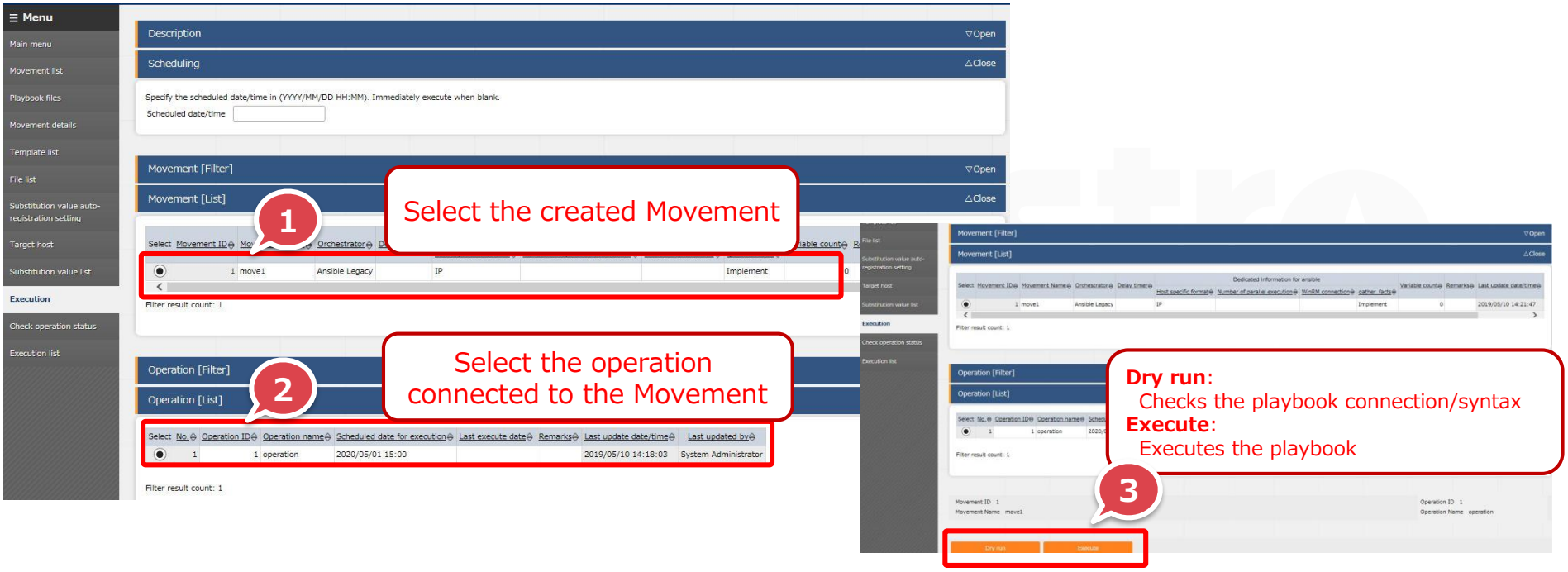


A Appendix

Reference 1 Ansible-Legacy: Single Execution

Execution

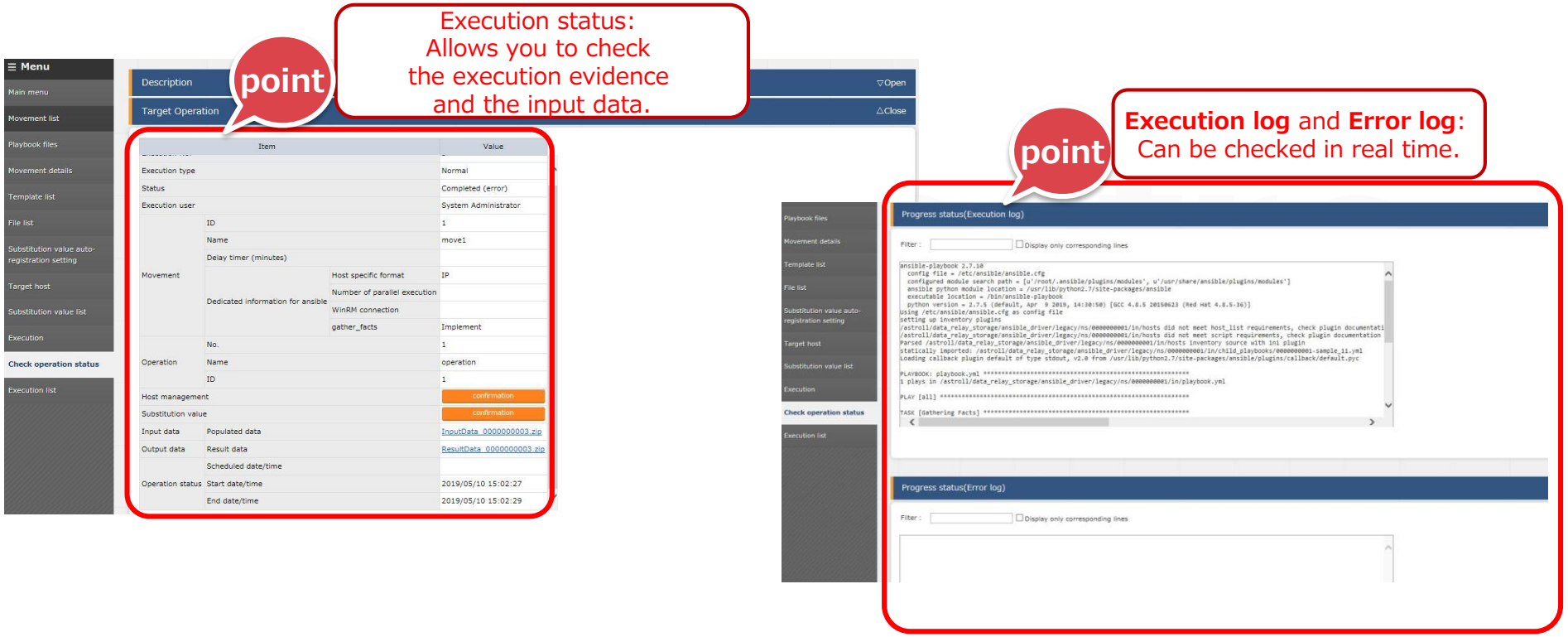
- In Ansible-Legacy, the **Execution** menu offers the **Execute** and **Dry run** functions for each Movement.



Reference 2 Ansible-Legacy: Checking the Operation Results

Checking the operation results

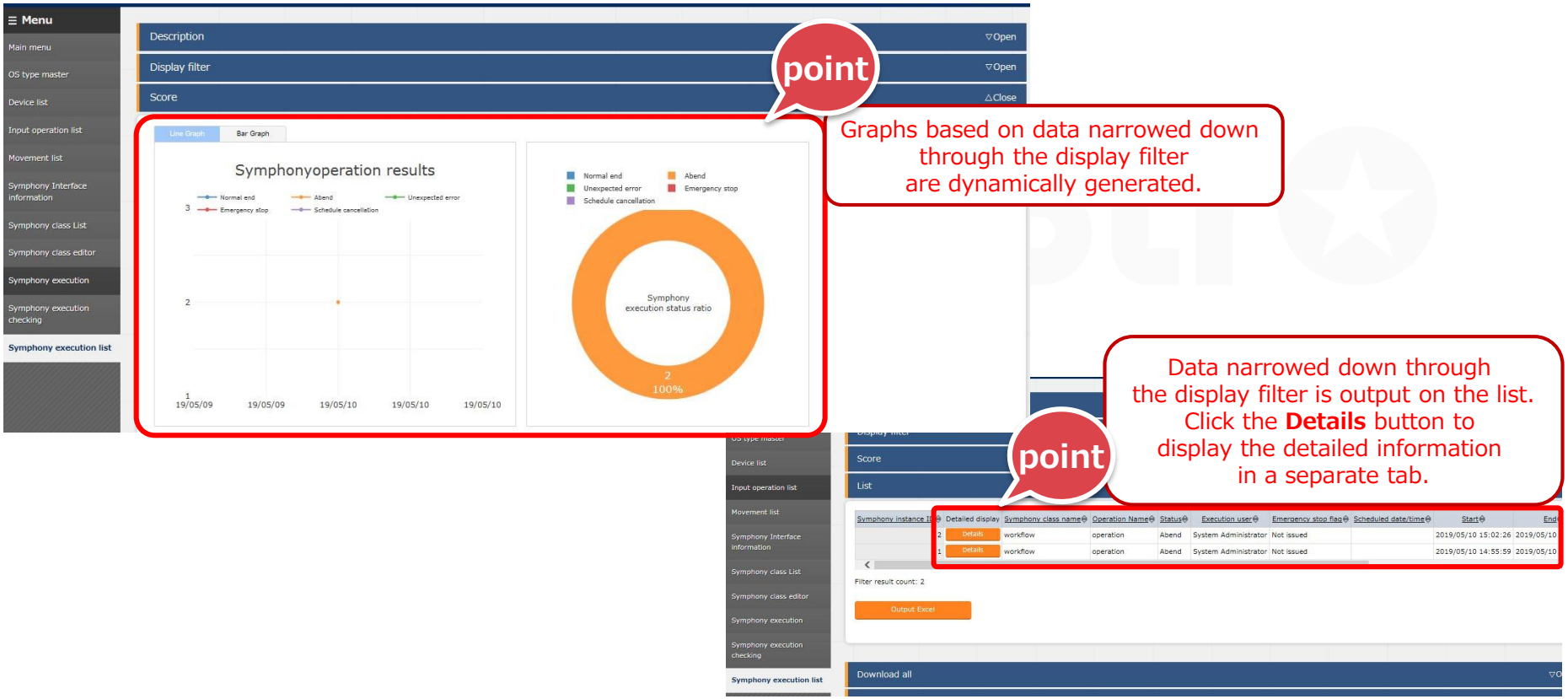
- Performing the function (**Execute** or **Dry run**) displays the execution status and logs.



Reference 3 How to Check the Symphony Execution Results

Checking the execution results on **Symphony execution list**

- From the **Main menu** screen, select **Basic Console** > **Symphony execution list**.



Reference 4　Sample Collection of Playbook

Sample playbooks (for Linux servers)

- The following playbooks are samples.
  They can be used as is, but you can freely change the parts in red.
  *The character code is "UTF-8", the line feed code is "LF", and the extension is "yml" format.
  Keep the indents in mind.

```
- name: Make Work Directory demonstration
  file:
    path: /tmp/demodirectory
    state: directory
    mode: 0755
```

point
A directory called ”demodirectory” is created under the /tmp directory.

```
- name: Sample User add
  user:
    name: ITA
    createhome: no
    uid: 4401
    group: users
```

point
An ITA user is created.
Delete the user after checking the operation.

```
- name: Collect Files
  fetch:
    src=/etc/hosts
    dest={{ __workflowdir__ }}/{{ inventory_hostname }}
    flat=yes
```

point
The following definition is reserved variables prepared in advance that are used when a file is brought back to the IT Automation server.

{{ __workflowdir__ }}/{{ inventory_hostname }}

point
/etc/hosts files are collected.
The collected files are gathered in the zip file of the result data.


Exastro