

ITA_User_Instruction_Manual

CI/CD For IaC

-Version1.9 -

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Terminology and definitions

This document uses the following terminology.

Terminology	Definition
ITA	Abbreviation for "Exastro IT Automation"
Link source file	Git repository source files that are linked using the CI/CD for
	IaC function
Link destination file	Refers to the files uploaded from the following ITA drivers
	(Ansible-driver and Terraform-Driver).
	-Ansible-Legacy/Playbook file collection
	 Ansible-Pioneer/Dialogue file collection
	 Ansible-LegacyRole/Role package list
	Ansible common/File list
	Ansible common/Template list
	•Terraform/Module files
	 Terraform/Policy list

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Introduction

This document explains the CI/CD For IaC function and how to use it.

1. CI/CD For IaC overview

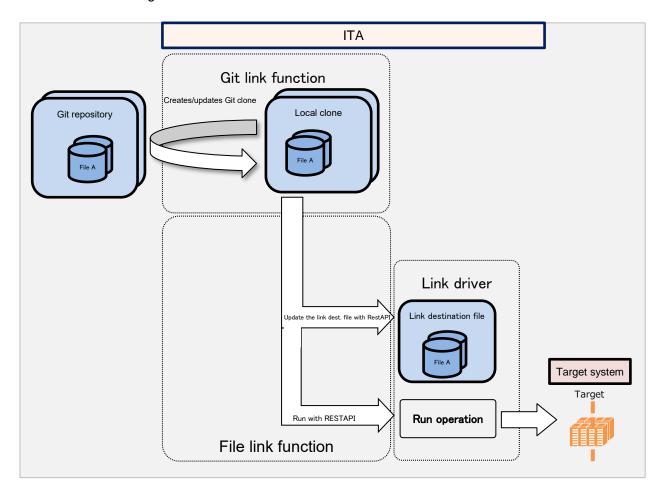
1.1 About CI/CD For IaC

The CI/CD For IaC can be divided into two functions.

- (1) Git link function
 - This function creates a clone of the Git repository within ITA.
 - It will also use the clone to check any updates that might have happened to the source files which will be listed in ITA's "Remote repository file" menu.
- (2) File link function
 - Links the link source file and the link destination file and then register an Operation and Movement in order to verify the link source file.
 - If the link source file gets updated, the link destination file will be automatically updated. An Operation and Movement will be run to check the files.

1.2 Function overview figure

The is an overview figure of the CI/CD For IaC function.



2. CI/CD For IaC Menu configuration

This section will explain the menu configuration of the CI/CD For IaC function menu.

For information regarding basic controls, such as logging in to the system from the web, the menu components, please see the XXX manual

1.3 Menu/Screen

The following table lists the different menus and screen for the CI/CD For IaC function.

Table 2.1-1 CI/CD For IaC function menu list

No	Menu group	Menu/Screen	Chapter	Description
1	CI/CD For IaC	Interface information	4.2.1	Manages the interface information needed to access
				the link destination files with ITA's RestAPI
2		Remote repository	4.1.1	Manages the Git repository information
3		Registered account	4.1.2	Manages the account information needed to access
				the link destination files with ITA's RestAPI
4		Remote repository files	4.2.2	Manages the Git repository file information
5		File link	4.1.3	Manages the link information between the link source
				files and the link destination files.

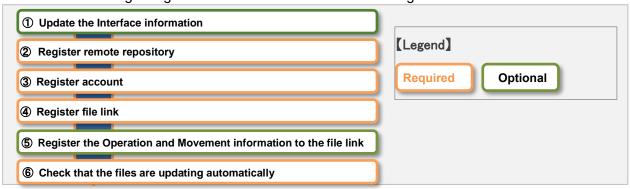
3. Using the CI/CD For IaC function

This section explains the process of using the CI/CD For IaC function.

3.1 Workflow

The basic workflow for the CI/CD For IaC is as follows.

More information regarding each of the tasks is listed below the figure.



Workflow details and references

1) Update the Interface information

You will need to register interface information if you want to access the link destination file from ITA's RestAPI. Interface information needed to access the install destination ITA is installed by default. If you want the link destination files to be stored a place other than the install destination ITA, please change the interface information.

Please see the "4.2.1 Interface Information" menu for more details.

2 Register Remote repository

Register the information of the Git you want to link to.

Please see the "4.1.1Remote Repository "menu for more details.

3 Register account

Register the account information needed to access the link destination files from ITA's RestAPI. Please see the "4.1.2 Registered Account" menu for more details.

A Register file link

Register the link between the link source files and the link destination files

Please see the 4.1.3 File link menu for more details.

- (5) Register the Operation and Movement information to the file link Register Operation and Movement if you want to check that the files are updating automatically. Please see the "4.1.3 File link" menu for more details.
- 6 Check that the files are updating automatically

Check that the link destination files updates automatically when the link source files have changed. This includes checking that the operation and movement is running automatically if they are registered

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Please see the "3.4.1 File link "menu for more information"

4. CI/CD For IaC function menu

This section explains the CI/CD For IaC menu and how to navigate it.

4.1 CI/CD For IaC standard menu

The following will explain the standard CI/CD for IaC menu, meaning that it will show the functions as it is after being installed.

4.1.1. Remote repository

(1) In the "Remote repository" menu, users can register the information of the Git repository they want to link with.

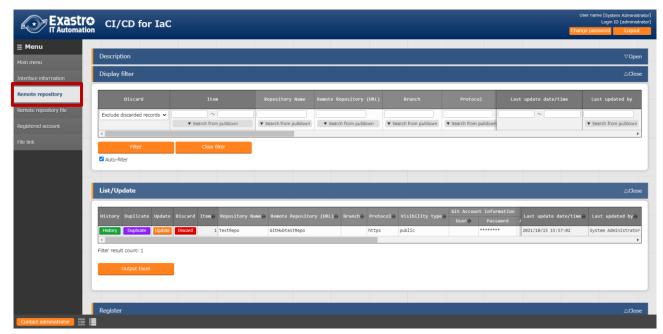


Figure 4.1-1 Menu screen (Remote repository)

(2) The Remote repository menu items are as following.

Table 4.1-1 Remote repository input item list(Remote repository)

Item	Description	Input necessary	Input format	Restrictions
Repository name	Input the name of the repository. The text input in	0	Manual	Max
	this field will be the display name for the remote			length256
	repository in the CI/CD For IaC menus.			bytes
Remote repository	Please input the Git repository URL specified for the	0	Manual	Max
(URL)	Git clone command.			length256
				bytes
Branch	Please input the Git repository branch name	_	Manual	Max
	specified for the Git clone command.			length256
	If nothing is input, the default branch will be			bytes
	specified.			

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Proto	ocol	Please select the protocol used when connecting to	0	List	
		the Git repository.		selection	
		Select the protocol used when connecting to the Git			
		repository.			
		https			
		Select if you are connecting to a remote Git			
		repository with https.			
		•ssh password authentication			
		Select if you are connecting to a remote Git			
		repository with an ssh password.			
		•ssh key authentication (Without passphrase)			
		Select if you are connecting to a remote Git			
		repository with an ssh key			
		ssh key authentication (With passphrase)			
		Select if you are connecting to a Remote Git			
		repository with an ssh passphrase key			
		authentication.			
		● Local			
		Select if you are connecting to a local Git.			
Vicih	ility type	Please select the Visibility type for the Git repository	_	List	
VISID	mity type	(Public/Private).		selection	
		If the connection protocol is set to "https", "Visibility		SCICCION	
		type" is an input necessary item.			
	User	Input the Git user name.		Manual	Max
Git account information	Usei	If the Visibility type is set to "Private", this field is an		Iviariuai	length128
count		input necessary item.			bytes
inforr	Password	Input the password needed when running the Git	_	Manual	Max
natio	Fassword	clone command.		iviariuai	length128
]		If the Visibility type is set to "Private", this field is an			bytes
		input necessary item.			bytes
		Note that GitHub stopped support for password			
		authentication in August 2021.			
		See this url for more information.			
		If you are using GitHub with a password			
		authentication, you will need to create a personal			
		access token.			
		See here for more information.			
(0	Password	Input the password for the Linux user that will run	_	Manual	Max
3SH C	i asswulu	the Git clone command.	_	iviariual	length128
Conne		You must input a password if "ssh password			bytes
ection		authentication" is set as protocol.			bytes
SSH Connection information	Passphrase	Input the passphrase for the key file used when	_	Manual	Max
natior	газэршазе			iviariual	
,		running the Git clone command. You must input a passphrase if "SSH key			length128
					Dyles
		authentication" is set as protocol.			

	Connection	Input the parameter configured to the	_	Manual	Max
	Parameter	GIT_SSH_COMMAND environment variable when			length512
		running the Git clone command.			bytes
		The GIT_SSH_COMMAND is a environment			
		variable that can be configured with Git version 2.3			
		or later.			
		Any configured parameters will be deactivated if the			
		ITA server is installed with a version of Git earlier			
		than version 2.3.			
		The environment variable GIT_SSH_COMMAND			
		has the following parameters set by default.			
		UserKnownHostsFile=/dev/null -o			
		StrictHostKeyChecking=no			
		and the state of t			
		If there is no core.sshCommand set to git config -			
		global, set the following parameter.			
		ssh –o UserKnownHostsFile=/dev/null -o			
		StrictHostKeyChecking=no			
		If core.sshCommand is set to git config -global,			
		include the following parameter. -o UserKnownHostsFile=/dev/null -o			
		StrictHostKeyChecking=no			
	Address	Input the proxy server address.	T _	Manual	Max
Proxy	71441000	If ITA is under a proxy environment, you may need to		Mariaar	length128
		configure it in order to communicate to the Git server.			bytes
		If the Proxy server URL is			
		http://procy.gate.co.jp:8080			
		Input http://procy.gate.co.jp into the Address field.			
		The port will then be 8080.			
	Port	Input the port for the proxy server.	_	Manual	
		If ITA is under a proxy environment, you may need to			
		configure it in order to communicate to the Git server.			
Rem	Automatic	Select if you want to synchronize with the Git	0	List	Default:
lote R	synchronizati	repository automatically or not.		selection	Activated
eposi	on	Activate: Will synchronize the repository with the Git			
tory S		repository with the "Cycle(Seconds)" specifying the			
ync		interval. Deactivate: Will not be automatically synchronized			
菜					1
hronizatı					
hronization inf	Cycle(Secon	with the Git repository.	_	Manual	Unit:
hronization informat	Cycle(Secon	with the Git repository. Input the cycle time in which the repository will be	_	Manual	Unit:
Remote Repository Synchronization information	Cycle(Secon ds)	with the Git repository.	_	Manual	
hronization information Connection	` `	with the Git repository. Input the cycle time in which the repository will be synchronized with the Git repository.	_	Manual Manual	

		If nothing is input, the default value (3 times) will be			
		used.			
	Cycle(ms)	Input the interval time between when the system	_	Manual	Unit:ms
		retries to connect to Git if it fails.			
		If nothing is input, the default value (1000ms) will be			
		used.			
Remark	(S	Free description field	_	Manual	Max
					length4000
					bytes

(1) SSH Key authentication.

Create a key with the root user and swap the key.

秘密鍵ファイル(id_ras)のパスはデフォルト(/root/.ssh/id_ras)を使用して下さい。デフォルト以外にしたい場合、ssh 接続情報/接続パラメータに秘密鍵ファイル(id_ras)のパスを設定して下さい。

- -i 秘密鍵ファイル(id ras)のパス
- (2) ITA サーバにリモートリポジトリを作成する場合の Git バージョンに関する注意事項 Git バージョンが 1.8.4.3 より古い場合、リモートリポジトリに新規ブランチを作成してからコミットするまでの間、リモートリポジトリの HEAD ブランチ(Default branch)の特定が出来なくなる為、この間にブランチ切り替えを行った場合にブランチ切り替えの検出できません。この事により切り替え先ブランチの資材が「資材紐付」メニューの資材パスに表示されない事があります。 ITA サーバにリモートリポジトリを作成する場合の Git バージョンは 1.8.4.3 以上を使用して下さい。
- (3) The following items displays the Git repository synchronization status.

Table 4.1-2 Git repository synchronization status items (Remote repository)

Item	Description	Remarks			
Status	The Git synchronization has 4 different statuses.	Please see"			
	Blank: When the record is newly registered, updated or restored after being	エラー!参			
	abolished.	照元が見つ			
	Normal: When it has successfully synchronized with the Git repository.	かりません。			
	Abnormal: When an error occurred while synchronizing with the Git repository.	Points to			
	Resumed: When the process has been resumed by clicking the "Resume" n				
	button.				
	If the status displays "Abnormal", synchronization with the Git repository will stop.				
	If you want to resume the process, either click the "Resume" button or update the	repositories			
	record.	."			
Detailed information	Displays the error information if the status changes to "Abnormal".				
	If you want to clear the "Detailed information" item, either click the "Resume"				
	button or update the record.				
Last date/time	Displays the date/time of the last synchronization.				
	If you want to clear the "Detailed information" item, either click the "Resume"				
	button or update the record.				

Item	Description	Remarks
Resume button	This button will only be displayed if the synchronization status changes to	
	"Abnormal".	
	Press this button to resume the synchronization process.	

4.1.2 Register account

(1) The "Register account" menu is used for users to register the account information needed to access the link destination files from ITA's RestAPI.

Account information registered to this information must also be registered in the "Manage console - User list" menu.

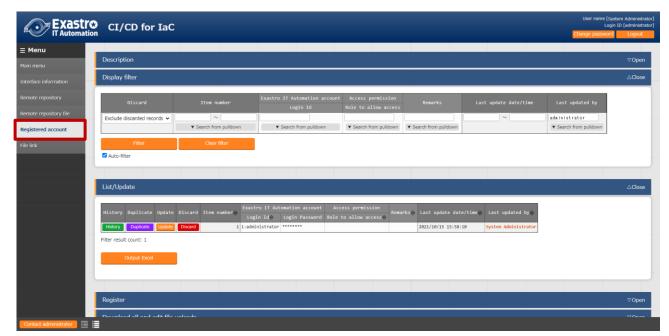


Figure 4.1-2Menu screen (Register account)

(2) The Register account menu items are as following.

Table 4.1-3 Register account screen item list (Register account)

Item	Description	Input	Input	Restrictions
		required	format	
Login ID	Displays the login ID of the users registered in the	0	List	
	"Management console – User list".		selection	
	Select the user that is going to be used with			
	RestAPI.			
Login PW	Input the login password of the user selected in the	0	Manual	Max length128
	"Login ID" item.			bytes
	The password is the same as the one registered in			
	the "Management console – User list" menu.			
Remarks	Free description field	_	Manual	Max length 4000
				bytes

4.1.3 File link

(1) This menu allows users to link the link source files and the link destination files and register Operation and Movements that checks the validity of the link destination files. When the link source file is updated, the backyard function automatically updates the link destination file, executes the registered operation and movement to verify the process and displays the results.

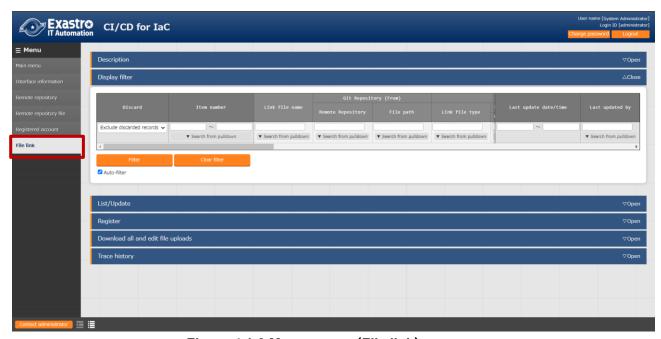


Figure 4.1-3 Menu screen (File link)

(2) The File link screen items are as following.

Table 4.1-4 File link screen item list(File link)

Item		Descriptio	n	Inpu t requ ired	method	Restrictions
Link file name	This dep ther item	ut the file name registered in s name is linked to one of the ending on the link destination the name must meet the same for the different menus. Us different items and input the		Manual	Max length256 bytes	
		Ansible-Legacy/Playbook file collection Ansible-Pioneer/dialogue file collection Ansible-LegacyRole/Role package list Ansible Common/File list	Paybook file name No target item Role package name File embedded variable name			

	Item		Description				Inpu	Input	Restrictions
							t	method	
							requ		
							ired		
				Ansible Common/Template list	Template embedded				
					variable name				
				Terraform/Module files	Module file name				
				Terraform/Policy list	Policy name				
			Th	ne link process differs dependi	ng on conditions such				
			as	if the file name input in the lin	k destination file name				
			is	registered or not. For more inf	ormation, please see"				
			エ	ラー! 参照元が見つかりません	Updating the Link				
			de	estination files.".					
			If y	you want to change the link de	stination file name,				
			-	ease see、"(5) Important poi	•				
				nanging the Link destination					
Git		note		splays the remote repositories	-		0	List	
rep	repo	ository		! 参照元が見つかりません。エ				selection	
osit				せん。". Select the remote repo	ository that contains the	;			
Git repository (From)				ource link files.					
(Frc	File	path		splays the link source files. Ple	ease select the path of		0	List	
m)				e link source file.	"A			selection	
				the link destination file type is					
				egacyRole/Role package list" n					
				!参照元が見つかりません。 P					
				gistering file that are linked in t	the role package list to				
_	Link	file type		t repositories."	oo (Monu). The		0	List	
Exastro	LIIIK	file type		elect the link destination file typerailable file types are listed in t	, ,		0	selection	
strc				at the different types needs to				3010011011	
⊐				stalled in order to be usable.	nave their unver				
aut				Menu name	Driver	p			
automation(To)				Ansible-Legacy/Playbook file collection	Ansible-Driver				
atio					Albide-blivel				
n(T				Ansible-Pioneer/Dialogue file collection					
0				Ansible-LegacyRole/Role package list					
				Ansible common/File list					
				Ansible common/Template list					
				Terraform/Module files	Terraform-Driver				
				Terraform/Policy list					
				L					
	Te	Variable	If t	the link destination file type is	"Ansible		_	Manual	Max length 8192
	Template Management	definition		mmon/Template list", make su					bytes
	Manag			finitions needed for the file. Th	· · · · · · · · · · · · · · · · · · ·				-
	gement		se	elected menu is something other	er than "Ansible				
	L		со	mmon/Template list"					

Item		em	Description	Inpu	Input	Restrictions
				t	method	
				requ		
				ired		
	An	Dialogue	Displays the dialogue file types registered in the	_	List	
	sible	type	"Ansible-Pioneer/Dialogue file type". This is not needed		selection	
	Ansible-Pioneer		if the selected menu is something other than "Ansible-			
	eer		Pioneer/Dialogue file type"			
		OS type	Displays the OS types registered in the "Ansible-	_	List	
			Pioneer/OS type" menu. If the "Ansible-Pioneer/Target		selection	
			file collection"menu is selected for the link destination			
			file select the link destination file OS type from the list.			
			This is not necessary if the link destination file is			
			something else than the "Ansible-Pioneer/Target file			
			collection" menu.			
		cution	Displays the Login ID of the users registered in the "I	0	List	
	logi	n ID	ラー!参照元が見つかりません。 Registered Account"		selection	
			menu. Select a User login ID in order to access the link			
			destination source files or execute operations from			
			RestAPI.			
			The User login ID selected must belong to a role that			
			has the link "Can perform maintenance" for the menu			
			specified in "Link destination file type". This link can be			
			found in "Management console/Role - Menu link list"			
			menu.			
	Ass	-	If you have added or updated a link destination file	_	List	
	Acc		record, select the Access permission role setting		selection	
	l .	mission	contents.			
	role	·.	Without:blank(No access permission role)			
			With: Set an access permission role that has the			
			"Default access permission" regarding "Execution login			
			ID".			
			If there is not role with "Default access permission" set,			
			the access permission role will set to be blank.			
			If nothing is selected, the default value, "Without" will			
<u> </u>	Λ1	omotic	be selected.		Liet	Default, ##
File S		omatic	Select if you want the link destination files automatically	0	List	Default:有効
File Synchronization information		chronizati	synchronize with the Git repository files when they		selection	
	on		change.			
tion ir			Activated: Automatically updates the link destination files when the files in the Git repository change.			
ıforma			Deactivated : Does not automatically update the link			
ation			destination files when the files in the Git repository			
			change.			

Item		Description	Inpu	Input	Restrictions
			t	method	
			requ		
			ired		
De	Operation	Displays the Operations registered in the "Basic	_	List	
ivery		console/Input operation list".		selection	
inforr		Select the Operation that runs the movement you want			
Delivery information		to be executed when the link destination file changes.			
	Movement	Displays the Movements registered in the "Basic	_	List	
		console/Movement list" menu.		selection	
		Select the Movement that will be run when the link			
		destination file changes.			
	Dry run	Select the Movement execution mode.	_	List	
		If marked (●), the movement will be executed in Dry		selection	
		run mode.			
		The movement will not be executed in Dry run mode if			
		nothing is selected.			
Remarks		Free description field	_	Manual	Max length4000
					bytes

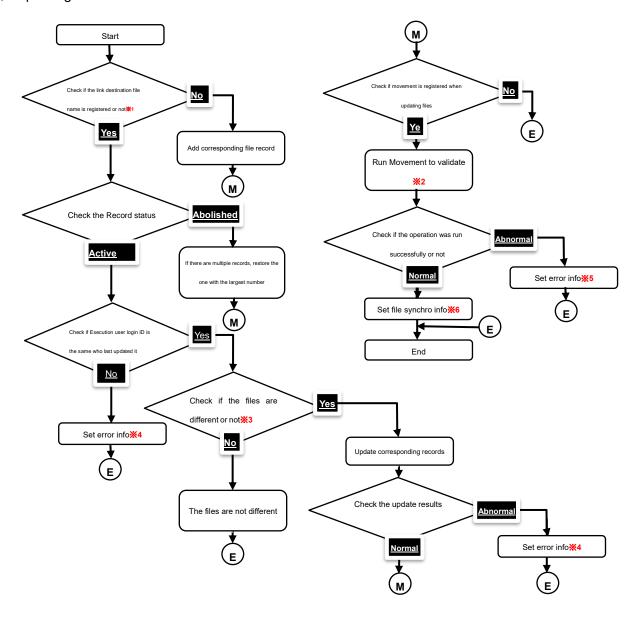
(3) The Synchronization status items for the Git repository items and the link destination file are as follows.

Table 4.1-5 File link Status item list(File link)

	Item Description Remarks							
	State	Displays the Synchronize status for the link source file and link destination file.	Remarks					
File synchronization Information	State	There are 3 different statuses.						
		Blank: When the record is newly registered, updated, restored after being						
		abolished or resumed by clicking the "Resume" button.						
zatio		Normal: When it has successfully synchronized with the Git repository.						
on I		Abnormal: When one of the following events have happened.						
nfoi		•An error occurred when synchronizing.						
rma		•The configured Operation and Movement failed to run because the link						
tion		destination file was changed.※1						
		If the status displays "Abnormal", the synchronization process between the link						
		source files and link destination files stops. If you want to resume the process,						
		click the "Resume" button or update the record.						
	Detailed	Displays detailed information regarding the synchronization when the process						
	Information	ends with the status "Abnormal".						
		If you want to clear the "Detailed information" item, either click the "Resume"						
		button or update the record						
	Last date/time	Displays the date/time of when the last Synchronization happened.						
		If you want to clear the "Last date/time" item, either click the "Resume" button or						
		update the record						
	Last Executer's	Displays Login ID of the user that last ran the synchronization process.						
	Login ID	If you want to clear the "Last Executer's Login ID" item, either click the "Resume"						
	3	button or update the record						
	Resume button	This button will only be displayed if the synchronization status changes to						
		"Abnormal".						
		Press this button to resume the synchronization process.						
	Detailed	Displays why an error occurred if the configured Operation and Movement failed						
Delivery information	information	to run because the link destination file was changed ※1						
ry info	momation	If the operation was run successfully, this item will not decide if the status will be						
ormat		"Normal" or "Abnormal" ×2.						
<u>o</u>		Press the "Check Operation state" button in order to see the Execution results in						
		the "X-Driver/ Execution status confirmation" menu.						
		If you want to clear the "Detailed information" item, either click the "Resume"						
	0 " 1 1	button or update the record.						
	Operation instance	Displays the operation instance number if the Operation and Movement was run						
	No	successfully.						
		If you want to clear the "Operation instance No" item, either click the "Resume"						
		button or update the record.						
	Check Operation	This button will only be displayed if the Operation and Movement was run						
	state button	successfully.						
		Clicking this button will display "X-Driver/Execution status confirmation" menu						
		where users can confirm the execution status.						

Item		Description		
	For more information regarding the "Execution status confirmation" menu for the			
	different drivers, please see the driver's respective user manual.			
	If you want to hide the button, either "Click the "Resume" button or update the			
		record.		

- ※1 For example: The Operation or movement has been deleted.
- *2 For example: there is something wrong with the link destination file or there is missing information needed to execute the operation.
 - (4) Updating the Link destination files.



- X1 If the Link destination file type is set to "Ansible-Pioneer/ Dialogue file collection", the link destination file name will be a combination of the dialogue type and the OS type.
- $\frak{\%}2$ If there is missing information, the operation might fail to run.
- 3 The item differences also includes the access permission roles and the remarks. The remarks will always be updated being blank.

- **4 Makes the "4.1.3 File link" menu's "File synchronization information" -> "Status" display "Abnormal" and the "File synchronization information" -> Detailed information" display the cause of error.
- **5 Makes the "4.1.3 File link" menu's "File synchronization information" -> "Status" display "Abnormal" and the "Delivery information" -> Detailed information" display the cause of error.
- %6 Makes the "4.1.3 File link" menu's "File synchronization information" -> "Status" display "Normal".

(5) Important points regarding changing the Link destination file name.
If you change the link destination file name, a new version of the same record with a new name will be created. The pre-updated version of the link destination file will still be there.

4.2 CI/CD For IaC hidden menus

This section will explain how to operate the menus that are hidden by default. In order to access the different menus, go to the "Management console/Role – menu link list" and restore the link corresponding to the user and the menu you want to access.

For more information, please see the "ITA_User_Manual_Management_Console" manual.

4.2.1. Interface information

(1) In the "Interface information" menu, users can register the interface information needed in order to access the link destination files from ITA's RestAPI. By default, the interface information required in order to access the installed ITA is registered. If you want to set the link file destination files to be somewhere else than the installed ITA, make sure to change the Interface information.

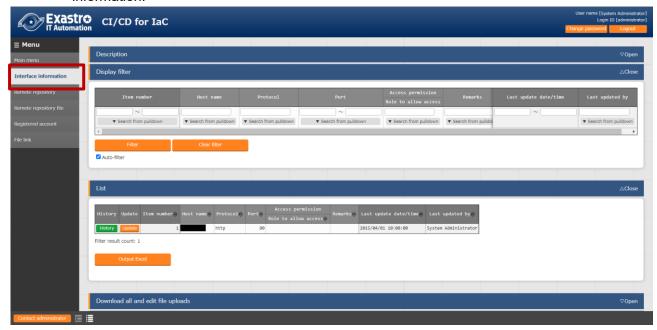


Figure 4.2-1 Menu screen (Interface information)

(2) The Interface information menu items are as following.

Table 4.2-1 Interface information menu items (Interface information)

Item	Description	Input requi red	Input method	Constraints
Host name	Input either the ITA Server host name or the IP	0	Manual	Max length128
	Address.			bytes
				Default: 127.0.0.1
Protocol	Input the ITA Server protocol (http/https)	0	Manual	Default: http
Port	Input the Server connection port (80/443).	0	Manual	Default: 80
Remarks	Free description field	_	Manual	Max length4000
				bytes

4.2.2. Remote repository files

(1) The "Remote repository files" menu displays a list with the linked files. The information found in this menu is updated by the Backyard function. Do not add/update or delete records.

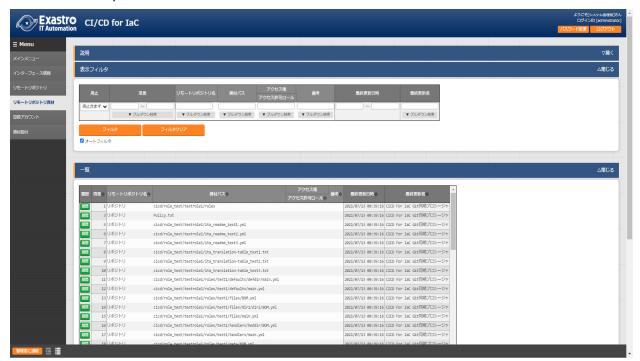


Figure 4.2-2Menu screen (Remote repository files)

(2) The remote repository files item list are as follows.

Table 4.2-2 Remote repository files Item list (Remote repository files)

Item	Description	Input	Input	Constraints
		necessary	format	
Remote	Displays the remote repository name registered in	0	List	
repository name	the"エラー! 参照元が見つかりません。エラー! 参照		selection	
	元が見つかりません。"menu			
File path	The link source files' file path are displayed in a list.	0	List	Max length4096
	The file path for remote repositories that has it's		selection	bytes
	synchronization status set to "Abnormal" in the			
	"エラー!参照元が見つかりません。エラー!参照元が			
	見つかりません。"menu. Will not be displayed.			

5. Operating

In addition to operating this function (and ITA) through the client PC's browser screen, it is also possible to operate it through system operation and maintenance. The following operations are available.

- Maintenance
- Changing log levels

5.1 About performing maintenance

The files needed in order to start/stop/restart the CICD For IaC function process are as follows.

The mee heeded in cruents standereprice are the	CIOD I CI INC INITIATION PROCESS AND NO ICINOMO.
Description	Target file name
CICD For IaC function	ky_CICD_for_laC_git_synchronize-workflow.service
Creates a local clone of the Git repository registered in	
the "エラー! 参照元が見つかりません。エラー! 参	
照元が見つかりません。"menu.※1	
Automatically updates the link destination files linked	
in the "エラー! 参照元が見つかりません。エラー! 参照	
元が見つかりません。"menu and runs the operation	
and movements to verify.	

※1 The path directory of the Git repository local clone is/"ITA install directory"/ita-root/repositorys/000000000x ("x" is the "エラー! 参照元が見つかりません。エラー! 参照元が見つかりません。"10 numbers from the right.)

The target file is stored in "/usr/lib/systemd/system".

The commands for starting/stopping and restarting the process are as following. Make sure to run the command with a user that has root permission.

Start process

systemctl start ky_CICD_for_IaC_git_synchronize-workflow.service ←

2 Stop process

systemctl stop ky_CICD_for_IaC_git_synchronize-workflow.service $\ \ \hookrightarrow$

3 Restart process.

systemctl restart ky_CICD_for_IaC_git_synchronize-workflow.service

Change the target file name to fit your environment and run the commands.

5.2 Change log levels

- ① Change to NORMAL level
 Open the following file and rewrite "DEBUG" to "NORMAL" on line 8.
 Log level settings file: <install directory>/ita-root/confs/backyardconfs/ita_env

The settings will take effect after the process has been restarted.

Log file output destination: <a href="https://example.com/nos/backyardlogs/backyard

6. Appendix

6.1 Points to note when registering files to Git repositories

The following section explains points to note when registering files to Git repositories

- ① Registering files with filenames that exceeds 255 bytes to the "エラー! 参照元が見つかりません。" menu will lead to an error when running the Git clone command.
- ② Registering files with file path+ file name that exceeds 4096 bytes to the Git repository registered in the "エラー! 参照元が見つかりません。エラー! 参照元が見つかりません。 "menu will lead to an error when running the 、Git clone command.

6.2 Points to note when registering file that are linked in the role package list to Git repositories.

The following section explain points to note when registering files that are linked in the role package list to Git repositories.

① Create a directory that contains a directory with the name "roles" and put all the files and directories required by the role packager function in there. Files compressed as role packages are in the upper directory of the roles directory. Note that even if you create a directory called "roles" directly under the Git repository route directory, it will not be recognized as the roles directory linked in the "Ansible-LegacyRole/Role package list" menu.

<Example>

Directories configured like the example below will have its "sample/roles" recognized as a role directory, but the "roles" directory will not be recognized.

Git repository route directory

```
·····The "roles" directory will not be recognized as a role directory.
-roles
    ita_readme_test_role.yml
 ita_translation-table_test_role.txt
 └─test_role
     -defaults
            main.yml
     └─tasks
            main.yml
-sample
                                                              Packaged as a
  ita_readme_test_role.yml
                                                              role package file.
    ita translation-table test role.txt
           ·····Recognized as a roles directory.
  └─roles
      └─test_role
          -defaults
                 main.yml
          └─tasks
                 main.yml
```

The "sample/roles" path will be displayed in the "エラー! 参照元が見つかりません。エラー! 参照元が見つかりません。"menu. Select "Sample/roles" in order to link it in the "Ansible-LegacyRole/Role" package list"menu.

