Exastro-ITA_(Reference) Configuration settings during installation

1. MariaDB(server.cnf) modification list

The following setting is designed for operation on MariaDB10.4 and the minimum spec of ITA system server%1(CPU: 2 core/ Memory 4GB)
The tuning reference value is the recommende value for CPU: 4 cores/Memory: 8GB
%1 ITA system server ··· The basic ITA configuration that associated drivers such as Ansible driver are built in other servers.

No.	Required/ For reference	Setting item	Default value	After ITA installation	Tuning reference value	Remarks
1	Required	explicit_defaults_for_timestamp	OFF	TRUE	TRUE	
2	Required	character-set-server	latin1	utf8	utf8	
3	Required	transaction-isolation	REPEATABLE- READ	READ-COMMITTED	READ-COMMITTED	Specify the transaction isolation level. "READ-COMMITTED" is the default isolation level for many database systems(Oracle, PostgreSQL, SQL Sever). The default isolation level of MariaDB is "REPEATABLE-READ", which doesn't match the usage policy of ITA. So it is required to be changed.
4	For reference	innodb_buffer_pool_size	128MB	512MB	1024MB	Consider tuning depending on how to use ITA
5	For reference	innodb_log_buffer_size	16MB	64M	128M	Consider tuning depending on how to use ITA
6	For reference	innodb_log_file_size	48MB	256M	384M	Consider tuning depending on how to use ITA
7	For reference	min_examined_row_limit	0	100	100	Consider tuning depending on how to use ITA
8	For reference	join_buffer_size	256KB	128M	256M	Consider tuning depending on how to use ITA
9	For reference	query_cache_size	1M	512M	1024M	Consider tuning depending on how to use ITA
10	For reference	query_cache_type	OFF	1	1	
11	For reference	max_heap_table_size	16MB	64M	128M	Consider tuning depending on how to use ITA
12	For reference	tmp_table_size	16MB	64M	128M	Consider tuning depending on how to use ITA
13	For reference	mrr_buffer_size	256KB	64M	128M	Consider tuning depending on how to use ITA
14	For reference	max_connections	151	256	5000	Consider tuning depending on how to use ITA

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2. PHP(php.ini) modification list

The following setting is designed for operation on MariaDB10.4 and the minimum spec of ITA system server%1(CPU: 2 core/ Memory 4GB) The tuning reference value is the recommende value for CPU: 4 cores/Memory: 8GB **%1 ITA system server ··· The basic ITA configuration that associated drivers such as Ansible driver are built in other servers.**

No.	Required/ For reference	Setting item	Default value	After ITA installation	Tuning reference value	Remarks
1	For reference	output_buffering	4096	8192 16384		Consider tuning depending on how to use ITA
2	For reference	expose_php	On	Off	Off	Modify the setting to hide PHP version
3	For reference	max_execution_time	30	600	600	Consider the tuning if timeout occurs when using ITA
4	For reference	max_input_time	60	600	600	Consider the tuning if timeout occurs when using ITA
5	For reference	memory_limit	128M	512M	1024M	Consider the tuning if memory allocation is not enough for PHP when using ITA
6	For reference	post_max_size	8M	4096M	4096M	Consider the tuning if large capacity registered/updated can't be performed when using ITA
7	For reference	upload_max_filesize	2M	4096M	4096M	Consider the tuning according to the file size that users want to upload in ITA
8	For reference	default_socket_timeout	60	600	600	Consider tuning depending on how to use ITA
9	Required	date.timezone	;date.timezone =	"Asia/Tokyo"	"Asia/Tokyo"	
10	For reference	pdo_mysql.cache_size	2000	4000	8000	Consider tuning depending on how to use ITA
11	Required	pdo_mysql.default_socket	(価空白)	/var/lib/mysql/mysql.sock	/var/lib/mysql/mysql.sock	ITA uses PHP with PDO to connect to MySQL
12	For reference	mysql.cache_size	2000	4000	8000	Consider tuning depending on how to use ITA
13	For reference	mysql.connect_timeout	60	600	600	Consider tuning depending on how to use ITA
14	Required	session.save_path	;session.save_path = "/tmp"	"/var/lib/php/session"	"/var/lib/php/session"	The directory mentioned in the modification is required to be created in advance. The default directory(/tmp) is not recommended
15	Required	session.gc_divisor	1000	1	1	Control garbage collection of PHP session file. According to the setting on the left with the combination of the
16	Required	session.gc_maxlifetime	1440	43200	43200	default value session.gc_probability = 1, the session file that passed 12 hours or more is in 100% probability to be performed garbage collection.
17	Required	mbstring.language	;mbstring.language = Japanese	Japanese	Japanese	::WIncomment
18	Required	mbstring.internal_encoding	;mbstring.internal_encoding =	UTF-8	UTF-8	::::::::::::::::::::::::::::::::::::::
19	Required	mbstring.http_input	;mbstring.http_input =	auto	auto	WUncomment + Modify
20	Required	mbstring.http_output	;mbstring.http_output =	UTF-8	UTF-8	₩Uncomment + Modify
21	Required	mbstring.encoding_translation	;mbstring.encoding_translation = Off	Off	Off	::::::::::::::::::::::::::::::::::::::
22	Required	mbstring.detect_order	;mbstring.detect_order = auto	auto	auto	::::::::::::::::::::::::::::::::::::::
23	Required	mbstring.substitute_character	;mbstring.substitute_character = none	none	none	::::::::::::::::::::::::::::::::::::::
24	Required	extension	(No such value)	yaml.so	yaml.so	

Exastro-ITA_(Reference) Configuration settings during installation 3. Ansible(ansible.cfg) modification list

٥.	5. Ansible (ansible.city) mounication list								
No.	Required/ For reference	Setting value	Default value	After ITA installation	Remarks				
1	Required	inventory	#inventory = /etc/ansible/hosts	/etc/ansible/hos	*Uncomment				
2	Required	remote_tmp	#remote_tmp = ~/.ansible/tmp	~/.ansible/tmp	*Uncomment				
3	Required	forks	#forks = 5	5	*Uncomment				
4	Required	poll_interval	#poll_interval = 15	15	*Uncomment				
5	Required	sudo_user	#sudo_user = root	root	*Uncomment				
6	Required	transport	#transport = smart	smart	*Uncomment				
7	Required	module_lang	#module_lang = C	С	*Uncomment				
8	Required	gathering	#gathering = implicit	Implicit	*Uncomment				
9	Required	host_key_checking	#host_key_checking = False	FALSE	*Uncomment				
10	Required	sudo_exe	#sudo_exe = sudo	sudo	*Uncomment				
11	Required	timeout	#timeout = 10	60	**Uncomment+Modify				
12	Required	ansible_managed	#ansible_managed = Ansible managed	Ansible managed	*Uncomment				
13	Required	deprecation_warnings	#deprecation_warnings = True	FALSE	**Uncomment+Modify				
14	Required	action_plugins	#action_plugins = /usr/share/ansible/plugins/action	/usr/share/ansible/plugins/action	*Uncomment				
15	Required	callback_plugins	#callback_plugins = /usr/share/ansible/plugins/callback	/usr/share/ansible/plugins/callback	*Uncomment				
16	Required	connection_plugins	#connection_plugins =	/usr/share/ansible/plugins/connection	*Uncomment				
17	Required	lookup_plugins	#lookup_plugins = /usr/share/ansible/plugins/lookup	/usr/share/ansible/plugins/lookup	*Uncomment				
18	Required	vars_plugins	#vars_plugins = /usr/share/ansible/plugins/vars	/usr/share/ansible/plugins/vars	*Uncomment				
19	Required	filter_plugins	#filter_plugins = /usr/share/ansible/plugins/filter	/usr/share/ansible/plugins/filter	*Uncomment				
20	Required	fact_caching	#fact_caching = memory	memory	*Uncomment				
21	Required	ssh_args	#ssh_args = -C -o ControlMaster=auto -o	-o ControlMaster=auto -o ControlPersist=60s	**Uncomment+Modify				
22	Required	accelerate_port	#accelerate_port = 5099	no -o UserKnownHostsFile=/dev/null	*Uncomment				
23	Required	accelerate_timeout	#accelerate_timeout = 30	5099	*Uncomment				
24	Required	accelerate_connect_timeou	#accelerate_connect_timeout = 5.0	30	*Uncomment				
25	Required	accelerate_daemon_timeou	#accelerate_daemon_timeout = 30	5	*Uncomment				

${\bf Exastro-ITA_(Reference)} \ \ {\bf Configuration} \ \ {\bf settings} \ \ {\bf during} \ \ {\bf installation}$ 4 . ITA setting file description

No.	TA-RASE	Inst Aneible	called system.	associated d OpenStack	river DSC	Ansible Towe	Setting file name	Description
1	H-DMSE	Ansible	Coppler	OpenStack	DSC	Ansible Lowe	(ITA installed directory)/ita-root/confs/backyardconfs/cobbler_driver/path_DATA_RELAY_STRAGE_side_Cobbler	Define the root path of data relay storage in Cobbler server
			0					
2							(ITA installed directory)/ita-root/confs/backyardconfs/ita_base/data_portability_running_limit.txt	The execution time limit of data portability import process.
	0							The process during execution will be determined as failed if the execution time passed the setting value.
	0							The unit is second.Default value is 300
2							(ITA installed directory)/ita-root/confs/backyardconfs/ita_base/hide_menu_column_list.txt	Describe the column to be excluded from the item display of substitution auto-
-	_	_			0	_	(a FA materials an extery y mail today contral and extensional materials and extension of the extension of t	registration setting.
	0	0			0	0		The line starting with "#" is ignored.
4							(ITA installed directory/vita-root/confs/backvardconfs/ita env	Describe the log level of backyard function and the root directory(ita-root) of ITA
-							(LTA Installed directory) into Tody consyldacty and consyldactive	Describe the log level of backyard function and the root directory(ta root) of TTA
	0	0	0	0	0	0		
E							(ITA installed directory)/ita-root/confs/backyardconfs/path_PHP_MODULE.txt	Describe the path of PHP module.
3							(LTA III Stalled all ectory y ilita 1 oog com sy back yal doorii sy back je ring indooree.cxc	Example: /bin/php
	0	0	0	0	0	0		
							(ITA installed directory)/ita-root/confs/backyardconfs/sysmail.list	Describe the setting when using system mail(ky_mail).
0	_						(1) A installed directory Jita-root/conis/backyardconis/sysmali.list	*Not required if the mail sending function(ky_mail) of ITA is not used.
	0							
/							(ITA installed directory)/ita-root/confs/commonconfs/ansible_vault_accesskey.txt	The password of ansible-vault command. The behavior of password changing is guaranteed only right after ITA is installed.
								Behavior is not guaranteed when changing password while system is operating or exporting/importing menus to environments whose password are the same.
		0				0		
								Example: The string encrypted from "ANSIBLE-VAULT-PASSWORD" Refer to %1 for the encryption specification
								· ·
8							(ITA installed directory)/ita-root/confs/commonconfs/app_mail_from.txt	When using system mail (ky_mail) from WebDBCore, the file content becomes the sender's address.
	0							In the case of sending mail to 00_loadtable.php when action occurs.
								Not required if the mail sending function(ky_mail) of ITA is not used.
9							(ITA installed directory)/ita-root/confs/commonconfs/app_msg_language.txt	Define the language of ITA.
	0	0			0	0		
10							(ITA installed directory)/ita-root/confs/commonconfs/db_connection_string.txt	The string to connect to MySQL. Example: The string encrypted from "mysql:dbname=ITA_DB;host=localhost"
	0	0	0	0	0	0		
								Refer to %1 for the encryption specification
11							(ITA installed directory)/ita-root/confs/commonconfs/db_model_string.txt	Define the type of RDB
	0	0	0	0	0	0		1:MySQL/MariaDB
12							(ITA installed directory)/ita-root/confs/commonconfs/db_password.txt	The password to connect to MySQL. Example: The string encrypted from "ITA_PASSWD"
	0	0	0	0	0	0		
								Refer to %1 for the encryption specification
13							(ITA installed directory)/ita-root/confs/commonconfs/db_username.txt	The user to connect to MySQL Example: The string encrypted from "ITA_USER"
	0	0	0	0	0	0		
								Refer to X1 for the encryption specification
14							(ITA installed directory)/ita-root/confs/commonconfs/path_ANSIBLE_MODULE.txt	Describe the path where ansible commands are installed(ansible-playbook/ansible-vault) This sample describes "/usr/local/bin"
	0	0				0		This sample describes / usr/local/bin
15							(ITA installed directory)/ita-root/confs/restapiconfs/ansible_driver/accesskey.txt	The access key used in the RestAPI of Ansible server.
		0						Example: The string encrypted from "AccessKeyId"
16			-	-	-	-	(ITA installed directory)/ita-root/confs/restapiconfs/ansible_driver/secret_accesskey.txt	Refer to %1 for the encryption specification The secret key used in the RestAPI of Ansible server.
		0					The state of the s	Example: The string encrypted from "SecretAccessKey"
		U						Refer to %1 for the encryption specification
7			-	-	-	1	(ITA installed directory)/ita-root/confs/restapiconfs/ansible_driver/ansible_playbook_watch_time.txt	Describe the period for the RestAPI of Ansible server to check if ansible-playbook
		0					The state of the s	command is operating. (Unit: Millisecond)
			L	L		L		In this period, maximum operation check performed is 3 times. Example: "10"
18							(ITA installed directory)/ita-root/confs/commonconfs/admin_mail_addr.txt	Describe the contact information (e-mail address) of the system administrator.
	0		l	1				If the file doesn'exist
19	0			-		1	(ITA installed directory)/ita-root/confs/webconfs/ExternalAuthSettings.ini	⇒The link of "Contact administrator" will disappear Describe the information of the association target of ActiveDirectory.
20	0					1	(ITA installed directory)/ita-root/confs/webconfs/path_HTML_AJAX.txt	Describe the path of HTML_AJAX.
4	0	0	0		_	-	(ITA installed directory)/ita-root/confs/webconfs/path_PhpSpreadsheet.txt	Example: /usr/share/pear/ Describe the path of Phpspreadsheet.
				0	0	0	Commence and analysis analysis and analysis analysis and analysis analysis analysis and analysis analysis analysis analysi	This sample: "/usr/share/php"

This sample: "/usr/share/oho"

1 The value encoded by base64 then converted by rot13. Create it with the following co echo -ne "(String to convert)" | base64 | tr "[A-Za-z]" "[N-ZA-Mn-za-m]"