

| Procedure name  |   | Please refer to the following file for required package.   |             |             |            |         |         |           |  |   |           |
|---|---|--|-------------|-------------|------------|---------|---------|-----------|--|---|-----------|
| HA configuration(Web・AP)  |   | <a href="https://exastro-suite.github.io/it-automation-docs/asset/Learn/ITA-online-install_en.pdf">https://exastro-suite.github.io/it-automation-docs/asset/Learn/ITA-online-install_en.pdf</a><br>All packages other than <Mariadb, Ansible> in 3.11 Configuration(7/7) |             |             |            |         |         |           |  |   |           |
| ※ For the version(x.x.x) in Setting, Notes column, please replace with the ITA version to be installed.<br>For strings such as “ITA installation target directory name”, “IP address of external storage server”, “Host name of Ansible server”, please replace them according to the installation environment. |   |  |             |             |            |         |         |           |  |   |           |
| No.   | Target                                    | Target   |             |             |            |         |         |           | Setting  | Notes   |           |
|   |   | Common   | File manage | Create menu | Host group | Ansible | Cobbler | OpenStack |  |   | Terraform |
| Deploy ITA installation file  |   |  |             |             |            |         |         |           |  |   |           |
| 1   | Deploy ITA installation file              | ●  |             |             |            |         |         |           | Please place the ITA file vx.x.x.tar.gz in the installation file deployment directory<br>cd / (installation file deployment directory)<br>ls -l vx.x.x.tar.gz  | The deployment directory of the installation file can be any directory.<br>Please acquire the file via the following command when performing online installation<br>wget https://github.com/exastro-suite/it-automation/archive/vx.x.x.tar.gz   |           |
| 2   |   |  |             |             |            |         |         |           | Please extract ITA installation file<br>tar -zxf vx.x.x.tar.gz   |   |           |
| 3   |   |  |             |             |            |         |         |           | Set the ITA installation directory<br>find it-automation-x.x.x -type f   xargs -l sed -i -e “s:%%%%ITA_DIRECTORY%%%%/(ITA installation target directory):g” {}   |   |           |
| Install yum-utils   |   |  |             |             |            |         |         |           |  |   |           |
| 4   | 【For CentOS7, RHEL7】<br>Install yum-utils | ●  |             |             |            |         |         |           | Please install the following package<br>yum-utils  | Please install via the following command when performing online installation<br>yum install -y yum-utils  |           |
| Install Apache  |   |  |             |             |            |         |         |           |  |   |           |
| 5   | Install Apache                            | ●  |             |             |            |         |         |           | Please install the following package<br>httpd mod_ssl  | Please install via the following command when performing online installation<br>yum install -y httpd mod_ssl  |           |
| 6   | Set autostart of Apache                   | ●  |             |             |            |         |         |           | systemctl enable httpd   |   |           |
| Install PHP   |   |  |             |             |            |         |         |           |  |   |           |
| 7   | Install PHP                               | ●  |             |             |            |         |         |           | Please install the following package<br>php php-bcmath php-cli php-ldap php-mbstring php-mysqlnd php-pear php-pecl-zip php-process php-snmp php-xml zip telnet mailx unzip php-json php-gd python3<br>php-devel libyaml libyaml-devel make sudo crontabs | Please enable the repository via the following command when performing online installation<br>【For CentOS7, RHEL7】<br>yum install -y http://rpms.remirepo.net/enterprise/remi-release-7.rpm<br><br>yum-config-manager --enable remi-php72<br><br>【For CentOS8, RHEL8】<br>No need to add repository.<br><br>Please install via the following command when performing online installation<br>yum install -y php php-bcmath php-cli php-ldap php-mbstring php-mysqlnd php-pear php-pecl-zip php-process php-snmp php-xml zip telnet mailx unzip php-json php-gd python3 php-devel libyaml libyaml-devel make sudo crontabs |           |
| 8   | Install PEAR library                      | ●  |             |             |            |         |         |           | Please install the following PEAR package<br>HTML_AJAX-beta  | Please install via the following command when performing online installation<br>pear install HTML_AJAX-beta   |           |
| 9   | Set HTML_AJAX-beta                        | ●  |             |             |            |         |         |           | ln -s /usr/share/pear-data/HTML_AJAX/js /usr/share/pear/HTML/js  |   |           |
| 10  | Install php-yaml                          | ●  |             |             |            |         |         |           | Please install the following package<br>php-yaml   | Please install via the following command when performing online installation<br>pecl channel-update pecl.php.net<br>echo ""   pecl install YAML   |           |
| 11  | Install PhpSpreadsheet                    | ●  |             |             |            |         |         |           | Please create the following directory<br>mkdir -p /usr/share/php/vendor  |   |           |
| 12  |   |  |             |             |            |         |         |           | Please install PhpSpreadsheet package in /usr/share/php/vendor directory   | Please install via the following command when performing online installation<br>curl -sS https://getcomposer.org/installer   php -- --install-dir=/usr/bin<br><br>/usr/bin/composer.phar require “phpoffice/phpspreadsheet”:“*”<br><br>mv vendor /usr/share/php/  |           |
| Set PHP   |   |  |             |             |            |         |         |           |  |   |           |
| 13  | 【For CentOS7, RHEL7】<br>Set php.ini       | ●  |             |             |            |         |         |           | cp -p / (installation file deployment directory) /it-automation-x.x.x/ita_install_package/ext_files_for_CentOS7.x/etc/php.ini /etc/  |   |           |
| 14  | 【For CentOS8, RHEL8】<br>Set php.ini       | ●  |             |             |            |         |         |           | cp -p / (installation file deployment directory) /it-automation-x.x.x/ita_install_package/ext_files_for_CentOS8.x/etc/php.ini /etc/  |   |           |
| 15  | 【For CentOS8, RHEL8】<br>Set www.conf      | ●  |             |             |            |         |         |           | cp -p / (installation file deployment directory) /it-automation-x.x.x/ita_install_package/ext_files_for_CentOS8.x/etc_php-fpm.d/www.conf /etc/php-fpm.d/   |   |           |
| Edit sudoers  |   |  |             |             |            |         |         |           |  |   |           |

| No. | Target                                | Target |             |             |            |         |         |           |           | Setting  | Notes   |
|-----|---------------------------------------|--------|-------------|-------------|------------|---------|---------|-----------|-----------|--|---|
|     |                                       | Common | File manage | Create menu | Host group | Ansible | Cobbler | OpenStack | Terraform |  |   |
| 16  | Create sudo setting file              | ●      |             |             |            |         |         |           |           | <div>/etc/sudoers.d/<i>(any desired file name)</i><br/>Please create a file with the following content in the directory above.<br/><br/>daemon   ALL=(ALL) NOPASSWD:ALL<br/>apache    ALL=(ALL) NOPASSWD:ALL</div> | Sample Command:<br>cat << EOS > /etc/sudoers.d/it-automation<br>daemon    ALL=(ALL) NOPASSWD:ALL<br>apache    ALL=(ALL) NOPASSWD:ALL<br>EOS |
| 17  | Change privilege of sudo setting file | ●      |             |             |            |         |         |           |           | <div>Please change the prvilige of the sudo setting file to 440<br/>chmod 440 /etc/sudoers.d/<i>(any desired file name)</i></div>  |   |
| 18  | Edit sudoers file                     | ●      |             |             |            |         |         |           |           | <div>vi /etc/sudoers<br/>check the sudoers file. Please comment out the following line if it exists. (If it's already commented, this procedure is not required.)<br/><br/>Defaults requiretty</div>               |   |

| No.         | Target  | Target |             |             |            |         |         |           |           | Setting   | Notes   |
|-------------|---|--------|-------------|-------------|------------|---------|---------|-----------|-----------|---|---|
|             |   | Common | File manage | Create menu | Host group | Ansible | Cobbler | OpenStack | Terraform |   |   |
| Install ITA |   |        |             |             |            |         |         |           |           |   |   |
| 19          | Create installation target directory  | ●      |             |             |            |         |         |           |           | mkdir -p /(ITA installation target directory)   |   |
| 20          | Deploy ITA installation file  | ●      |             |             |            |         |         |           |           | cp -rp /(installation file deployment directory)/it-automation-x.x.x/ita_install_package/ITA/ita-contents/ita-root /(ITA installation target directory)/.   |   |
| 21          | Deploy ITA setting file   | ●      |             |             |            |         |         |           |           | cp -rp /(installation file deployment directory)/it-automation-x.x.x/ita_install_package/ITA/ita-confs /(ITA installation target directory)/ita-root/confs  |   |
| 22          | Create directory for ITA session  | ●      |             |             |            |         |         |           |           | mkdir -m 777 /(ITA installation target directory)/ita_sessions  |   |
| 23          | Create data_relay_storage directory   | ●      |             |             |            |         |         |           |           | mkdir /(ITA installation target directory)/data_relay_storage   |   |
| 24          | Create directory used by ITA  | ●      |             |             |            |         |         |           |           | Please create one directories for each line of the paths written in /(installation file deployment directory)/it-automation-x.x.x/ita_install_package/install_scripts/list/create_dir_list.txt by adding /(ITA installation target directory) in the front of the paths<br><br>mkdir -p /(ITA installation target directory)(path written in the file)  |   |
| 25          | Change privilege(755)   | ●      |             |             |            |         |         |           |           | Please change privilege for every line of paths written in /(installation file deployment directory)/it-automation-x.x.x/ita_install_package/install_scripts/list/755_list.txt by adding /(ITA installation target directory) in front of the paths<br><br>chmod 755 /(ITA installation target directory)(path written in the file)   |   |
| 26          | Change privilege(777)   | ●      |             |             |            |         |         |           |           | Please change privilege for every line of paths written in /(installation file deployment directory)/it-automation-x.x.x/ita_install_package/install_scripts/list/777_list.txt by /(ITA installation target directory) in front of the paths<br><br>chmod 777 /(ITA installation target directory)(path written in the file)  |   |
| 27          | Deploy the release file of ita_base   | ●      |             |             |            |         |         |           |           | cp -p /(installation file deployment directory)/it-automation-x.x.x/ita_install_package/ITA/ita-releasefiles/ita_base /(ITA installation target directory)/ita-root/libs/release/.  |   |
| 28          | Deploy the release file of material   |        | ●           |             |            |         |         |           |           | cp -p /(installation file deployment directory)/it-automation-x.x.x/ita_install_package/ITA/ita-releasefiles/ita_material /(ITA installation target directory)/ita-root/libs/release/.  |   |
| 29          | Deploy the release file of material(File link list(Ansible))<br>※Please execute when installing material and ansible_driver         |        | ●           |             |            | ●       |         |           |           | cp -p /(installation file deployment directory)/it-automation-x.x.x/ita_install_package/ITA/ita-releasefiles/ita_material2 /(ITA installation target directory)/ita-root/libs/release/.   |   |
| 30          | Deploy the release file of material(File link list(OpenStack))<br>※Please execute when installing material and openstack_driver     |        | ●           |             |            |         |         | ●         |           | cp -p /(installation file deployment directory)/it-automation-x.x.x/ita_install_package/ITA/ita-releasefiles/ita_material3 /(ITA installation target directory)/ita-root/libs/release/.   |   |
| 31          | Deploy the release file of createparam  |        |             | ●           |            |         |         |           |           | cp -p /(installation file deployment directory)/it-automation-x.x.x/ita_install_package/ITA/ita-releasefiles/ita_createparam /(ITA installation target directory)/ita-root/libs/release/.   |   |
| 32          | Deploy the release file of hostgroup  |        |             |             | ●          |         |         |           |           | cp -p /(installation file deployment directory)/it-automation-x.x.x/ita_install_package/ITA/ita-releasefiles/ita_hostgroup /(ITA installation target directory)/ita-root/libs/release/.   |   |
| 33          | Deploy the release file of hostgroup(Create HostGroupVariable list)<br>※Please execute when installing hostgroup and Ansible_driver |        |             |             | ●          | ●       |         |           |           | cp -p /(installation file deployment directory)/it-automation-x.x.x/ita_install_package/ITA/ita-releasefiles/ita_hostgroup2 /(ITA installation target directory)/ita-root/libs/release/.<br>cp -p /(installation file deployment directory)/it-automation-x.x.x/ita_install_package/ITA/ita-releasefiles/ita_hostgroup3 /(ITA installation target directory)/ita-root/libs/release/.          |   |
| 34          | Deploy the release file of ansible_driver   |        |             |             |            | ●       |         |           |           | cp -p /(installation file deployment directory)/it-automation-x.x.x/ita_install_package/ITA/ita-releasefiles/ita_ansible-driver /(ITA installation target directory)/ita-root/libs/release/.  |   |
| 35          | Deploy the release file of cobbler_driver   |        |             |             |            |         | ●       |           |           | cp -p /(installation file deployment directory)/it-automation-x.x.x/ita_install_package/ITA/ita-releasefiles/ita_cobbler-driver /(ITA installation target directory)/ita-root/libs/release/.  |   |
| 36          | Deploy the release file of openstack_driver   |        |             |             |            |         |         | ●         |           | cp -p /(installation file deployment directory)/it-automation-x.x.x/ita_install_package/ITA/ita-releasefiles/ita_openstack-driver /(ITA installation target directory)/ita-root/libs/release/.  |   |
| 37          | Deploy the release file of terraform_driver   |        |             |             |            |         |         |           | ●         | cp -p /(installation file deployment directory)/it-automation-x.x.x/ita_install_package/ITA/ita-releasefiles/ita_terraform-driver /(ITA installation target directory)/ita-root/libs/release/.  |   |
| 38          | Set the connection information of MariaDB   | ●      |             |             |            |         |         |           |           | ①Please create a string of the following string that is by encoded with base64 and encrypted with rot13.<br>mysql:dbname=(name of ITA DB);host=(IP address of DBMS server)<br><br>②Please overwrite the following file with the created string. ※Please delete the value that is already written.<br>/(ITA installation target directory)/ita-root/confs/commonconfs/db_connection_string.txt | Example:<br>In the case that the name of ITA DB is “ITA_DB” and the IP address of DBMS server is 1.1.1.1, users can acquire the string encoded with base 64 and encrypted with rot13 by the following command.<br>echo -ne “mysql:dbname=ITA_DB;host=1.1.1.1”   base64   tr '[A-Za-z]' '[N-ZA-Mn-za-m]' |
| 39          | Set the user information of MariaDB   | ●      |             |             |            |         |         |           |           | ①Please create a string of the user name of MariaDB that is encoded with base64 and encrypted with rot13.<br><br>②Please overwrite the following file with the created string. ※Please delete the value that is already written.<br>/(ITA installation target directory)/ita-root/confs/commonconfs/db_username.txt   | Example:<br>In the case that the user name of MariaDB is “ITA_USER”, users can acquire the string encoded with base 64 and encrypted with rot13 by the following command.<br>echo -ne “ITA_USER”   base64   tr '[A-Za-z]' '[N-ZA-Mn-za-m]'  |
| 40          | Set the password information of MariaDB   | ●      |             |             |            |         |         |           |           | ①Please create a string of password of MariaDB that is encoded with base64 and encrypted with rot13.<br><br>②Please overwrite the following file with the created string. ※Please delete the value that is already written.<br>/(ITA installation target directory)/ita-root/confs/commonconfs/db_password.txt  | Example:<br>In the case that the password of MariaDB is “ITA_PASSWD”, users can acquire the string encoded with base 64 and encrypted with rot13 by the following command.<br>echo -ne “ITA_PASSWD”   base64   tr '[A-Za-z]' '[N-ZA-Mn-za-m]'   |

| No.                    | Target   | Target |             |             |            |         |         |           |           | Setting   | Notes                                     |   |   |  |   |  |  |
|------------------------|--|--------|-------------|-------------|------------|---------|---------|-----------|-----------|---|---|---|---|--|---|--|--|
|                        |  | Common | File manage | Create menu | Host group | Ansible | Cobbler | OpenStack | Terraform |   |   |   |   |  |   |  |  |
| Set shared directory   |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
| 41                     | Set shared directory   | ●      |             |             |            |         |         |           |           | Please set the shared directory for external storage as follows.  |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           | Shared directory for Web/AP   |   |   |   |  | Shared directory for external storage                         |  |  |
|                        |  |        |             |             |            |         |         |           |           | /(ITA installation target directory)/data_relay_storage   |   |   |   |  | /(any desired shared directory)/data_relay_storage            |  |  |
|                        |  |        |             |             |            |         |         |           |           | /(ITA installation target directory)/ita_sessions   |   |   |   |  | /(any desired shared directory)/ita_sessions                  |  |  |
|                        |  |        |             |             |            |         |         |           |           | /(ITA installation target directory)/ita-root/temp  |   |   |   |  | /(any desired shared directory)/ita-root/temp                 |  |  |
|                        |  |        |             |             |            |         |         |           |           | /(ITA installation target directory)/ita-root/uploadfiles   |   |   |   |  | /(any desired shared directory)/ita-root/uploadfiles          |  |  |
|                        |  |        |             |             |            |         |         |           |           | /(ITA installation target directory)/ita-root/webroot/uploadfiles   |   |   |   |  | /(any desired shared directory)/ita-root/webroot/uploadfiles  |  |  |
|                        |  |        |             |             |            |         |         |           |           | /(ITA installation target directory)/ita-root/webroot/menus/sheets  |   |   |   |  | /(any desired shared directory)/ita-root/webroot/menus/sheets |  |  |
|                        |  |        |             |             |            |         |         |           |           | /(ITA installation target directory)/ita-root/webroot/menus/users   |   |   |   |  | /(any desired shared directory)/ita-root/webroot/menus/users  |  |  |
|                        |  |        |             |             |            |         |         |           |           | /(ITA installation target directory)/ita-root/webconfs/sheets   |   |   |   |  | /(any desired shared directory)/ita-root/webconfs/sheets      |  |  |
|                        |  |        |             |             |            |         |         |           |           | /(ITA installation target directory)/ita-root/webconfs/users  |   |   |   |  | /(any desired shared directory)/ita-root/webconfs/users       |  |  |
|                        |  |        |             |             |            |         |         |           |           | Set Apache  |   |   |   |  |   |  |  |
| 42                     | Set /etc/hosts   | ●      |             |             |            |         |         |           |           | vi /etc/hosts   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           | Please add the follows.(For the desription of associated driver server, please add servers that are used only.)   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           | 127.0.0.1 (Host name of the backyard server)  |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           | (IP address of Ansible server) (Host name of Ansible server)  |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           | (IP address of AnsibleTower server) (Host name of AnsibleTower server)  |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           | (IP address of Cobbler server) (Host name of Cobbler server)  |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           | 43  | 【For CentOS7、RHEL7】<br>Deploy certificate |   | ● |  |   |  |  |
| 44                     | 【For CentOS7、RHEL7】<br>Deploy conf file forApache                                      | ●      |             |             |            |         |         |           |           | cp -p /(installation file deployment directory)/it-automation-x.x.x/ita_install_package/ext_files_for_CentOS7.x/etc_httpd_conf.d/vhosts_exastro-it-automation.conf /etc/httpd/conf.d/   |   |   |   |  |   |  |  |
| 45                     | 【For CentOS8、RHEL8】<br>Deploy certificate  | ●      |             |             |            |         |         |           |           | cp -p /(installation file deployment directory)/it-automation-x.x.x/ita_install_package/ext_files_for_CentOS8.x/etc_pki_tls_certs/exastro-it-automation.crt /etc/pki/tls/certs/   |   |   |   |  |   |  |  |
| 46                     | 【For CentOS8、RHEL8】<br>Deploy conf file forApache                                      | ●      |             |             |            |         |         |           |           | cp -p /(installation file deployment directory)/it-automation-x.x.x/ita_install_package/ext_files_for_CentOS8.x/etc_httpd_conf.d/vhosts_exastro-it-automation.conf /etc/httpd/conf.d/   |   |   |   |  |   |  |  |
| 47                     | Restart Apache   | ●      |             |             |            |         |         |           |           | systemctl restart httpd   |   |   |   |  |   |  |  |
| Install Git            |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
| 48                     | Install Git  |        | ●           |             |            |         |         |           |           | Please install the following package  |   | Please install via the following command when performing online installation.<br>yum install -y git                                       |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           | git   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           | Operation check   |   |   |   |  |   |  |  |
| 49                     | Web operation check  | ●      |             |             |            |         |         |           |           | <a href="#">http://(IP address of Web/AP server)</a>  |   | Login ID : administrator<br>Default password : password<br>※For the method to access via HTTPS, please refer to “Check access via HTTPS”. |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           | 50  | Update interface information of Ansible   |   |   |  |   |  |  |
| 51                     | Update interface information of AnsibleTower<br>※Please enter when using Ansible Tower |        |             |             |            |         | ●       |           |           | Please enter<br>(Host name of AnsibleTower server)<br>(Certificate Token created on AnsibleTower server side)<br>for “AnsibleTower interface” in [Ansible common]-[Interfacce information] menu   |   |   |   |  |   |  |  |
| 52                     | Check if the profile created in Cobbler server is read.                                |        |             |             |            |         |         | ●         |           | Please check if the name of profile created in Cobbler server is displayed in “List” of [Cobbler]-[Profile list]menu  |   |   |   |  |   |  |  |
| 53                     | Enter the information of the server to be installed operation system by Cobbler server |        |             |             |            |         |         | ●         |           | Enter the information of the server to be installed in “Register” of [Basic console]-[Device list] menu<br><br>※Please refer the following manual for the content to be entered.<br><a href="https://exastro-suite.github.io/it-automation-docs/asset/Documents/Exastro-ITA_System_Configuration_Enviroment_Construcion_Guide_Cobbler-driver.pdf">https://exastro-suite.github.io/it-automation-docs/asset/Documents/Exastro-ITA_System_Configuration_Enviroment_Construcion_Guide_Cobbler-driver.pdf</a><br>•Cobbler-driver user instruction manual Cobbler-driver(Page11) |   |   |   |  |   |  |  |
| Check access via HTTPS |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
| 54                     | Edit the hosts file in client  | ●      |             |             |            |         |         |           |           | Please add the following content in<br>C:¥Windows¥system32¥drivers¥etc¥hosts<br><br>(IP address of Web/AP server) exastro-it-automation   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           |   |   |   |   |  |   |  |  |
|                        |  |        |             |             |            |         |         |           |           | 55  | Import certificate into client            |   | ● |  |   |  |  |
| 56                     | Check connection via HTTPS   | ●      |             |             |            |         |         |           |           | <a href="https://exastro-it-automation">https://exastro-it-automation</a>   |   |   |   |  |   |  |  |

| No. | Target                             | Target |             |             |            |         |         |           |           | Setting  | Notes |
|-----|------------------------------------|--------|-------------|-------------|------------|---------|---------|-----------|-----------|--|-------|
|     |                                    | Common | File manage | Create menu | Host group | Ansible | Cobbler | OpenStack | Terraform |  |       |
| 57  | Restrict access from HTTP or HTTPS | ●      |             |             |            |         |         |           |           | Please refer to the following manual for the method to restrict access via HTTP or HTTPS<br><a href="https://exastro-suite.github.io/it-automation-docs/asset/Learn/ITA-online-install_en.pdf">https://exastro-suite.github.io/it-automation-docs/asset/Learn/ITA-online-install_en.pdf</a><br>4.7 Reference |       |