

Event Automation

Implementing Event Automation

Session 2

General Prerequisites

- Auto Ticketing Should be enabled
- Alerts should be forwarded to Automation Engine(NEXT /Ansible)
- Account should be boarded to Ansible, End points should be reachable from Ansible Tower

Ansible - Github Prerequisites

- Account(Org) should exist in github as an organization (EU-France-<org>)

Example: <https://github.kyndryl.net/EU-France-DAN>

- Github credential in Ansible Tower (<org>_kyn_cred_github)
- Repo Management credential in Ansible Tower (<org>_cred_kyn_repomanagement)
- UserID in repo management credential should be OWNER of the account's Github organization
- Variables of Ssh proxy group, credential group, hosts in Ansible Tower

Implementation of Event Automation Repository

- Creating a project and job template for the playbook which creates the event automation repository in your account's Github organization. (playbook: https://github.kyndryl.net/Continuous-Engineering/ansible_collection_eventautomation_repo_mgmt.git)
- Initial configuration of Event Automation repository
- Create a project and job template for the event automation playbook.
- Add next credential variable to the inventory
- Create AT40 request to CACF/HST

Creating a project for event automation repo management playbook

PROJECTS / gmb_eventautomation_repo_mgmt



gmb_eventautomation_repo_mgmt



DETAILS

PERMISSIONS

NOTIFICATIONS

JOB TEMPLATES

SCHEDULES

* NAME

gmb_eventautomation_repo_mgmt



DESCRIPTION

event automation repo management

* ORGANIZATION ?



gmb

* SCM TYPE

Git

SOURCE DETAILS

* SCM URL ?

https://github.kyndryl.net/Continuous-Engineering/ansible_collection_even

SCM BRANCH/TAG/COMMIT ?

SCM REFSPEC ?

SCM CREDENTIAL



gmb_kyn_cred_github

SCM UPDATE OPTIONS

- ☐ CLEAN ?
- ☐ DELETE ON UPDATE ?
- ☐ UPDATE REVISION ON LAUNCH ?
- ☐ ALLOW BRANCH OVERRIDE ?

ANSIBLE ENVIRONMENT ?

/var/lib/awx/venv/ansible_ibm/

CANCEL

SAVE

Creating a job template for event automation repo management

playbook

TEMPLATES / gmb_eventautomation_repo_management



gmb_eventautomation_repo_management

DETAILS

PERMISSIONS

NOTIFICATIONS

COMPLETED JOBS

SCHEDULES

ADD SURVEY

* NAME

gmb_eventautomation_repo_management



DESCRIPTION

* JOB TYPE

☐ PROMPT ON LAUNCH

Run



* INVENTORY

☐ PROMPT ON LAUNCH

gmb_inventory

* PROJECT

gmb_eventautomation_repo_mgmt

* PLAYBOOK

client_repo_mgmt.yml



CREDENTIALS

☐ PROMPT ON LAUNCH

gmb_cred_kyn_repomanagement

FORKS

0

LIMIT

☐ PROMPT ON LAUNCH

* VERBOSITY

☐ PROMPT ON LAUNCH

0 (Normal)

JOB TAGS

☐ PROMPT ON LAUNCH

SKIP TAGS

☐ PROMPT ON LAUNCH

LABELS

ANSIBLE ENVIRONMENT

/var/lib/awx/venv/ansible_ibm/

INSTANCE GROUPS

JOB SLICING

1

TIMEOUT

0

SHOW CHANGES

☐ PROMPT ON LAUNCH



OPTIONS

- ☐ ENABLE PRIVILEGE ESCALATION
- ☐ ENABLE PROVISIONING CALLBACKS
- ☐ ENABLE WEBHOOK
- ☐ ENABLE CONCURRENT JOBS
- ☐ ENABLE FACT CACHE

EXTRA VARIABLES

YAML | JSON

☐ PROMPT ON LAUNCH

```
1 ---
2 account: gmb
3 client_org: eu-france-gmb
4 tower_org: IBM-GTS-EU-EU01
```

LAUNCH

CANCEL

SAVE

Creating a job template for event automation repo management

playbook

TEMPLATES / gmb_eventautomation_repo_management



gmb_eventautomation_repo_management

DETAILS

PERMISSIONS

NOTIFICATIONS

COMPLETED JOBS

SCHEDULES

ADD SURVEY

* NAME

gmb_eventautomation_repo_management



DESCRIPTION

* JOB TYPE

☐ PROMPT ON LAUNCH

Run



* INVENTORY

☐ PROMPT ON LAUNCH

gmb_inventory

* PROJECT

gmb_eventautomation_repo_mgmt

* PLAYBOOK

client_repo_mgmt.yml



CREDENTIALS

☐ PROMPT ON LAUNCH

gmb_cred_kyn_repomanagement

FORKS

0

LIMIT

☐ PROMPT ON LAUNCH

* VERBOSITY

☐ PROMPT ON LAUNCH

0 (Normal)

JOB TAGS

☐ PROMPT ON LAUNCH

SKIP TAGS

☐ PROMPT ON LAUNCH

LABELS

ANSIBLE ENVIRONMENT

/var/lib/awx/venv/ansible_ibm/

INSTANCE GROUPS

JOB SLICING

1

TIMEOUT

0

SHOW CHANGES

☐ PROMPT ON LAUNCH



OPTIONS

- ☐ ENABLE PRIVILEGE ESCALATION
- ☐ ENABLE PROVISIONING CALLBACKS
- ☐ ENABLE WEBHOOK
- ☐ ENABLE CONCURRENT JOBS
- ☐ ENABLE FACT CACHE

EXTRA VARIABLES

YAML | JSON

☐ PROMPT ON LAUNCH

```
1 ---
2 account: gmb
3 client_org: eu-france-gmb
4 tower_org: IBM-GTS-EU-EU01
```

LAUNCH

CANCEL

SAVE

Initial Configuration of Github Event Automation Repo

Enterprise Search or jump to... Pull requests Issues Explore

Eu-France-GEA / **gea_eventautomation** Private

<> Code Issues 1 Pull requests Actions Projects Security Insights Settings

issue_1_auto_config had recent pushes 2 minutes ago [Compare & pull request](#)

main 2 branches 0 tags [Go to file](#) [Add file](#) [Code](#)

Switch branches/tags

Find or create a branch...

Branches Tags

✓ main default

issue_1_auto_config

[View all branches](#)

OWNERS 5f6f65a 2 minutes ago 2 commits

Adding reviewers/CODEOWNERS 2 minutes ago

Initial commit 4 minutes ago

gea_eventautomation

Eu-France-GEA / **gea_eventautomation** Private

<> Code Issues Pull requests Actions Projects Security Insights Settings

main 1 branch 0 tags [Go to file](#) [Add file](#) [Code](#)

fiat-say Merge pull request #2 from Eu-France-GEA/issue_1_auto_config 58c3ce5 38 seconds ago 27 commits

disk-usage-alert	Adding file disk-usage-alert/extract_event_data.yml	5 minutes ago
hello-world	Adding file hello-world/custom_playbook.yml	6 minutes ago
itm-agent-offline	Adding file itm-agent-offline/extract_event_data.yml	5 minutes ago
process-handler	Adding file process-handler/extract_event_data.yml	5 minutes ago
roles	Adding new roles/requirements.yml	4 minutes ago
server-unavailable	Adding file server-unavailable/extract_event_data.yml	5 minutes ago
service-restart-daemon-handler	Adding file service-restart-daemon-handler/extract_event_data.yml	5 minutes ago

Creating a project for Event Automation Playbook

(<org>_project_netcool)

PROJECTS / gea_project_netcool

gea_project_netcool

DETAILS PERMISSIONS NOTIFICATIONS JOB TEMPLATES SCHEDULES

* NAME gea_project_netcool DESCRIPTION * ORGANIZATION ?

* SCM TYPE Git

SOURCE DETAILS

* SCM URL ? https://github.kyndryl.net/EU-France-GEA/gea_eventautomation SCM BRANCH/TAG/COMMIT ? SCM REFSPEC ?

SCM CREDENTIAL gea_kyn_cred_github

SCM UPDATE OPTIONS

- ☐ CLEAN ?
- ☐ DELETE ON UPDATE ?
- ☐ UPDATE REVISION ON LAUNCH ?
- ☐ ALLOW BRANCH OVERRIDE ?

ANSIBLE ENVIRONMENT ? /var/lib/awx/venv/ansible_ibm/

CANCEL SAVE

Creating a job template for Event Automation Playbook

(<org>_jobtemplate_netcool)

TEMPLATES / gea_jobtemplate_netcool

gea_jobtemplate_netcool

DETAILS

PERMISSIONS

NOTIFICATIONS

COMPLETED JOBS

SCHEDULES

ADD SURVEY

* NAME

gea_jobtemplate_netcool

* INVENTORY ?

gea_inventory

☒ PROMPT ON LAUNCH

CREDENTIALS ?

☒ PROMPT ON LAUNCH

* VERBOSITY ?

0 (Normal)

☐ PROMPT ON LAUNCH

LABELS ?

JOB SLICING ?

1

OPTIONS

- ☐ ENABLE PRIVILEGE ESCALATION ?
- ☐ ENABLE PROVISIONING CALLBACKS ?
- ☐ ENABLE WEBHOOK ?
- ☒ ENABLE CONCURRENT JOBS ?
- ☐ ENABLE FACT CACHE ?

EXTRA VARIABLES ?

YAML JSON

DESCRIPTION

Netcool

* PROJECT ?

gea_project_netcool

FORKS ?

1

JOB TAGS ?

☐ PROMPT ON LAUNCH

ANSIBLE ENVIRONMENT ?

/var/lib/awx/venv/ansible_ibm/

TIMEOUT ?

0

* JOB TYPE ?

Run

☐ PROMPT ON LAUNCH

* PLAYBOOK ?

event_wrapper.yml

LIMIT ?

☐ PROMPT ON LAUNCH

SKIP TAGS ?

☐ PROMPT ON LAUNCH

INSTANCE GROUPS ?

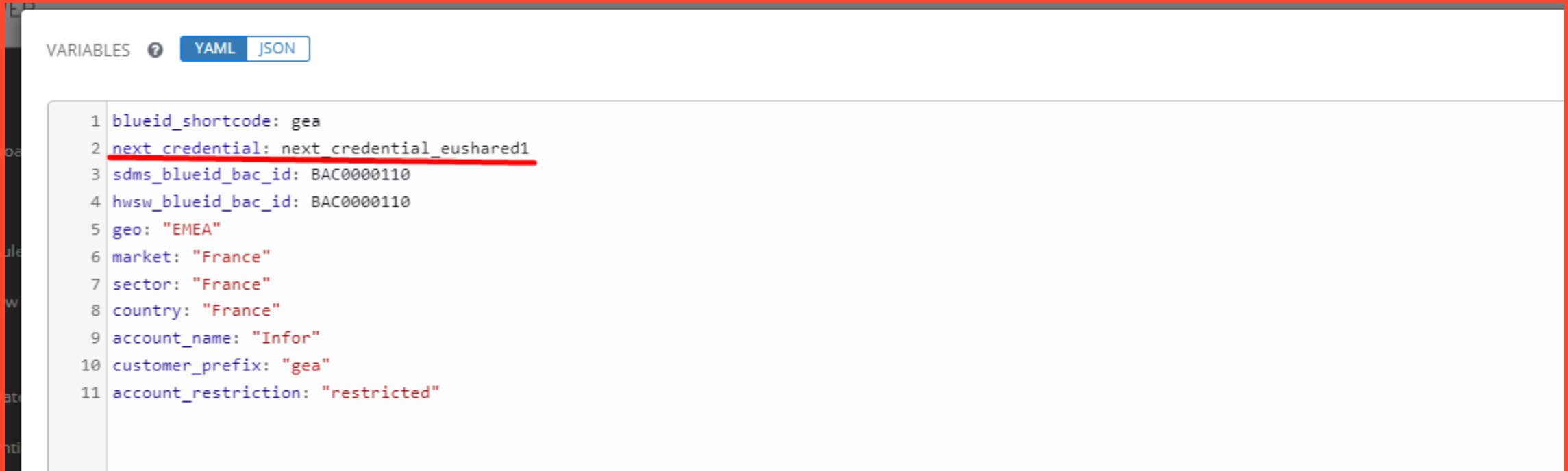
SHOW CHANGES ?

☐

☐ PROMPT ON LAUNCH

☒ PROMPT ON LAUNCH

- Adding next credential variable in Ansible Inventory



The screenshot shows a web-based editor for Ansible inventory variables. At the top, there's a tab labeled 'VARIABLES' with a help icon, and two sub-tabs: 'YAML' (which is active) and 'JSON'. Below the tabs, a list of 11 variables is displayed, each on a new line and numbered from 1 to 11 on the left. The second line, '2 next_credential: next_credential_eushared1', is underlined in red. The other variables are: '1 blueid_shortcode: gea', '3 sdms_blueid_bac_id: BAC0000110', '4 hwsb_blueid_bac_id: BAC0000110', '5 geo: "EMEA"', '6 market: "France"', '7 sector: "France"', '8 country: "France"', '9 account_name: "Infor"', '10 customer_prefix: "gea"', and '11 account_restriction: "restricted"'.

```
1 blueid_shortcode: gea
2 next_credential: next_credential_eushared1
3 sdms_blueid_bac_id: BAC0000110
4 hwsb_blueid_bac_id: BAC0000110
5 geo: "EMEA"
6 market: "France"
7 sector: "France"
8 country: "France"
9 account_name: "Infor"
10 customer_prefix: "gea"
11 account_restriction: "restricted"
```

- Create AT40 request via Service Desk to CACF/HST
- <https://service-desk.mom.cacf.kyndryl.net/>

2 Request Type Selection

Select the type of your request below. Once selected, the appropriate request fields will be generated

Categories of issue

SR



Type of issue

[CACF][EU] AT40: Request to configure AT Next component for incident integration



Or you can select available requests by clicking the appropriate tag:

DA1.0

Network

incident

Blue

bau

Onboarding

Use this form to request NEXT configuration for your account. NEXT is used for event automation. Without this setup event automation will not work.

Prerequisites:

- Tower Account admin creates Inventory and Job template according to standards (based on "Next Admin Guide" document)
- Tower Account admin add Next credential to inventory (For EU1: "next_credential_eushared1", for EU2: "next_credential_eushared2") as defined in Next Admin Guide

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Thank You