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Event Automation

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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

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Ansible - Github Prerequisites

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

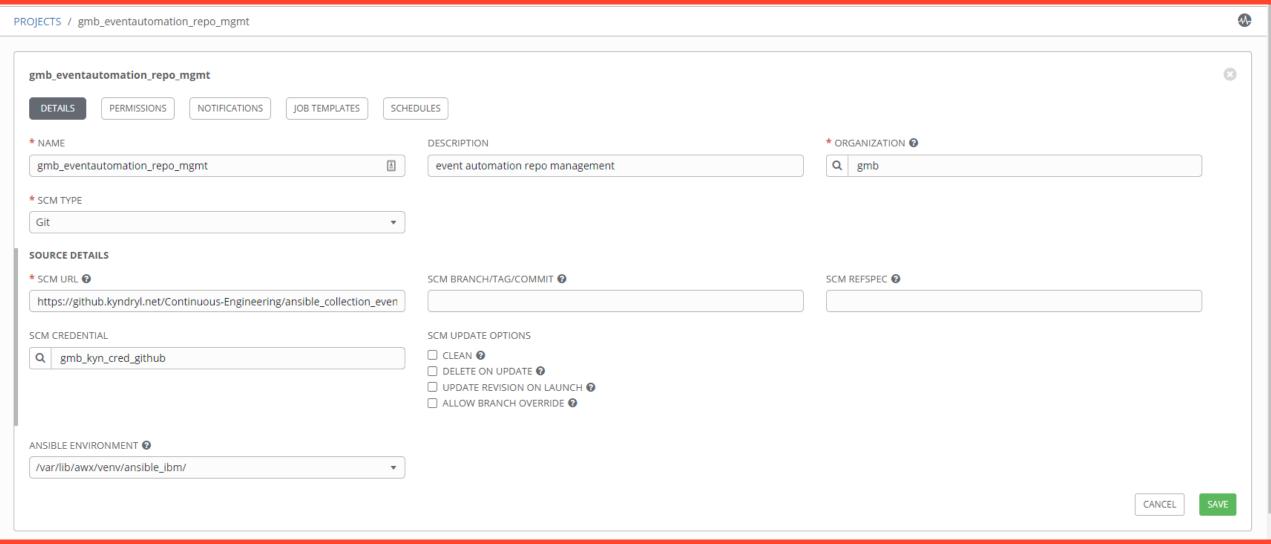 Example: https://github.kyndryl.net/EU-France-DAN

- 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

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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

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Creating a project for event automation repo management playbook

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

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Creating a job template for event automation repo management playbook

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

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
```
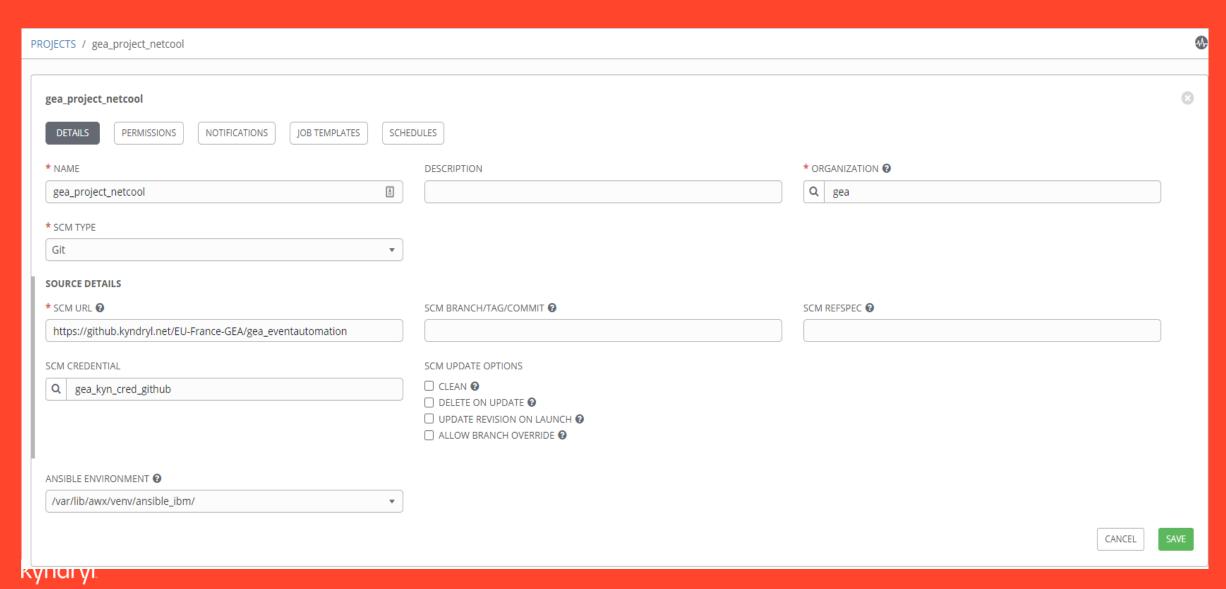
LAUNCH | CANCEL | SAVE

Initial Configuration of Github Event Automation Repo

Creating a project for Event Automation Playbook (<org>_project_netcool)

👤 Firat.Say@kyndryl.com 🔔 0 ℹ️ 📓 ⏻

TEMPLATES / gea_jobtemplate_netcool

gea_jobtemplate_netcool   ⊗

[DETAILS] [PERMISSIONS] [NOTIFICATIONS] [COMPLETED JOBS] [SCHEDULES] [ADD SURVEY]

* NAME		DESCRIPTION	* JOB TYPE ❓	☐ PROMPT ON LAUNCH

* NAME
`gea_jobtemplate_netcool`   🔳

DESCRIPTION
`Netcool`

* JOB TYPE ❓   ☐ PROMPT ON LAUNCH
`Run`   ▼

* INVENTORY ❓   ☑ PROMPT ON LAUNCH
🔍 `gea_inventory`   ▼

* PROJECT ❓
🔍 `gea_project_netcool`

* PLAYBOOK ❓
`event_wrapper.yml`   ▼

CREDENTIALS ❓   ☑ PROMPT ON LAUNCH
🔍

FORKS ❓
`1`   ⬍

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

- Adding next credential variable in Ansible Inventory

VARIABLES ❓ YAML | JSON

```
 1 blueid_shortcode: gea
 2 next_credential: next_credential_eushared1
 3 sdms_blueid_bac_id: BAC0000110
 4 hwsw_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"
```
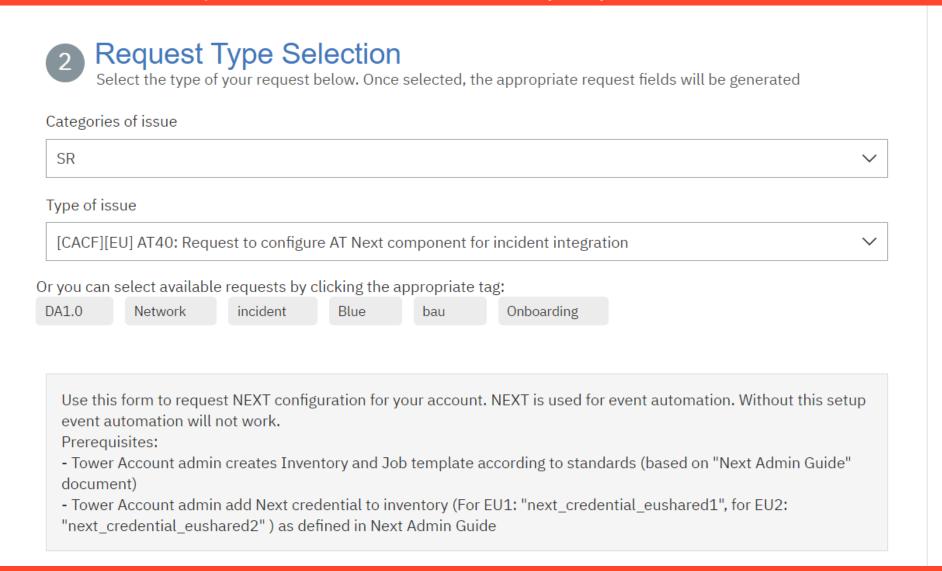
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- Create AT40 request via Service Desk to CACF/HST
- https://service-desk.mom.cacf.kyndryl.net/

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