**Tool and App Onboarding**

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# Pre-requisite:

Click [here](https://servicenow.sharepoint.com/:w:/r/sites/QualityEngineering/Shared%20Documents/Releases/Rome/Partner%20Testing/Testing%20Guidance%20-%20Use%20Cases-Workflows/DevOps/Devops%20Introduction%20guide.docx?d=wffcf094860cb494db09a24c20202a11f&csf=1&web=1&e=oYQQPk)

# Tool onboarding :

To create tool connection with REST Api in sn instance. The detailed response is available in the Inbound Event of sn instance. Prepare the below api request in postman or any tool of your convenience

and post the request and verify the response.

* **End Point:** [https://XXX.Service-now.com/**api/sn\_devops/v1/devops/onboarding/tool**](https://XXX.Service-now.com/api/sn_devops/v1/devops/onboarding/tool)
* **Request Type: POST**
* **Authorization: Basic Auth**

Username**: devops.integration.user**

Password**: DevOps1!**

* **Use the midserver flag as false always, unless you have midserver setup for testing onboarding api.**

**Request Payload**

{

"tools": [

{

"name": "jenkinstesting",

"type": "Jenkins",

"url": "<http://crossteamtesting.sndevops.xyz>",

"username": "admin",

"password": "DevOps1!",

"useMidServer": **false**

}

],

"credentials": {

"name": "devops.integration.user",

"password": " DevOps1!"

}

}

Other sample payloads for Tool Onboarding:

**Github**

{

"tools": [

{

"name": "githubtest",

"type": "Github",

"url": "<https://api.github.com>",

"username": "balu",

"password": "3ba750535sdfsdf8cca451e72740567732",

"useMidServer": **false**

}

],

"credentials": {

"name": "devops.integration.user",

"password": "devops"

}

}

**Jira**

{

"tools": [

{

"name": "jiratest",

"type": "Jira",

"url": "<http://jira2.sndevops.xyz>",

"username": "admin",

"password": "DevOps1!",

"useMidServer": **false**

}

],

"credentials": {

"name": "devops.integration.user",

"password": "devops"

}

}

**Multiple Tools in single payload:**

{

"tools": [

{

"name": "jiratest",

"type": "Jira",

"url": "<http://jira2.sndevops.xyz>",

"username": "admin",

"password": "DevOps1!",

"useMidServer": **false**

},

{

"name": "githubtest",

"type": "Github",

"url": "<https://api.github.com>",

"username": "balu",

"password": "3ba750535sdfsdf8cca451e72740567732",

"useMidServer": **false**

},

{

"name": "jenkinstesting",

"type": "Jenkins",

"url": "<http://crossteamtesting.sndevops.xyz>",

"username": "admin",

"password": "DevOps1!",

"useMidServer": **false**

}

],

"credentials": {

"name": "devops.integration.user",

"password": "devops"

}

}

## Use cases:

1. Post SINGLE tool payload and verify the detailed response in the Inbound Event.
   1. Assertions:
      1. IBE status
      2. Tool created
      3. Connect
      4. Discover
2. Post MULTIPLE tools and verify detailed response in the Inbound Event.
3. Post payloads with invalid password and verify the response status, response messages ..etc in the Inbound Event.
4. Post payloads with invalid values , empty values for payload parameters and verify the response in the Inbound Event

# App onboarding : To create app and associate, configure repositories, plans and pipeline steps.

* **End Point** https://XXX.Service-now.com/**api/sn\_devops/v1/devops/onboarding/app**
* **Request Type: POST**
* **Authorization: Basic Auth**

**Username: devops.integration.user**

**Password: devops**

**Request Payload**

{

"apps": [

{

"name": " RomeRP1"

}

],

"repositories":

[

{

"tool": " jiratest",

"name": "DEMO",

"app": "RomeRP1",

"importDateRange": {

"fromDate": "2020-01-01",

"toDate": ""

}

}

],

"plans":

[

{

"tool": " jiratest ",

"name": "DEMO",

"apps": [

"RomeRP1",

"RomeRP2"

]

}

],

"pipelines":

[

{

"name": "DEMO1",

"tool": "jenkinstest",

"app": "ROMERP1",

"changeSteps": [

{

"name": "Deploy",

"type": "Deploy",

"order": "300",

"changeApprovalGroup": "Change Management",

"changeType": "normal",

"changeReceipt": **false**,

"configurationItem": "All",

"changeControlledBranches": "master,dev,qa"

}

]

}

],

"credentials": {

"name": "devops.integration.user",

"password": "DevOps1!"

}

}

## Use Cases:

1) Post App onboarding with multiple repositories, multiple plans , multiple pipelines and pipeline steps and verify the response in Inbound Event ( status, error messages..etc).

2) Post with invalid values for the payload parameters and verify the Inbound Event ( status, error messages..etc).

3) Post with without credentials in the request payload and verify the response in the Inbound Event.

4) Post payloads without repositories, without plans, without pipelines.

5) Post app onboarding payload with invalid values, empty values and verify the response in the Inbound event.

# Sample Responses.

Click [here](https://servicenow.sharepoint.com/:f:/r/sites/QualityEngineering/Shared%20Documents/Releases/Rome/Partner%20Testing/Testing%20Guidance%20-%20Use%20Cases-Workflows/DevOps/DevOps%20-%20Onboarding%20Docs/Onboarding%20API%20Responses?csf=1&web=1&e=vq3NRg)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Tool Onboarding** | | | | |  |
| **create status** | **connect status** | **Discover status** | **Overall Status** | **IBE Status** |  |
| success | success | success | Success | PROCESSED |  |
| Failed | success | success | Partial success | PROCESSED | Tool already exists |
| success | Failed | Failed | Partial success | PROCESSED | Authorization Error for connect |
| Failed |  |  | Failed | ERROR |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **App Onboarding** | | | | |  |
| App status | Repo status | Plan Status | Pipeline status | IBE Status | **Overall Status** |
| Failed |  |  |  | ERROR | Failed |
| Failed |  |  |  | ERROR | Failed |
| Failed | success |  |  | PROCESSED | Partial Success |
| Success | success | Failed | Failed | PROCESSED | Partial Success |
| Success | Success | Success | Failed | PROCESSED | Partial Success |
| Success | Success | Success | Success | PROCESSED | Success |

Demo

- [Link to Demo](https://servicenow.zoom.us/rec/share/BownglfMIsI6b5GEBN8VX145NKvHTSiLWpZzZuSMvIyPW18_foo4vJSpyT3epyv4.2a7ug4fvp4LI9Fn7)