# Onboarding CloudBees CD Application into SIAM

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Objective

This document provides a detailed process to onboard the CloudBees CD application into SIAM with four predefined groups:

1. Administrator

2. Configuration Manager

3. ManagerRelease-Run

4. Developer

It includes API endpoints for fetching groups, fetching group users, fetching users, and creating users. Additionally, it outlines the creation of Personas and mapping groups to these Personas in SIAM.

1. CloudBees CD Groups

The four groups will be created and mapped in SIAM as Role Entitlements.

- Users who require access to the CloudBees CD application will raise an RITM (Request Item) in SIAM.

- Once approved, users will be added to one of the four predefined groups.

Group to Persona Mapping

Each CloudBees CD group will be associated with a corresponding Persona in SIAM:

| Group | Persona |

|----------------------|--------------------------|

| Administrator | CloudBees Admin Persona |

| Configuration Manager| CloudBees Config Persona|

| ManagerRelease-Run | Release Manager Persona |

| Developer | CloudBees Dev Persona |

The Personas represent specific access roles within the application.

2. CloudBees CD APIs

2.1 Fetch Groups

To fetch all groups in CloudBees CD.

Endpoint:

GET /rest/v1.0/groups

Example cURL:

curl -X GET "https://cloudbees-cd-url/rest/v1.0/groups" \

-u "admin:password"

Response Example:

{

"groups": [

{"groupName": "Administrator"},

{"groupName": "Configuration Manager"},

{"groupName": "ManagerRelease-Run"},

{"groupName": "Developer"}

]

}

2.2 Fetch Users in a Group

To fetch users belonging to a specific group.

Endpoint:

GET /rest/v1.0/groups/{groupName}

Example cURL:

curl -X GET "https://cloudbees-cd-url/rest/v1.0/groups/Administrator" \

-u "admin:password"

Response Example:

{

"groupName": "Administrator",

"users": [

{"userName": "user1"},

{"userName": "user2"}

]

}

2.3 Fetch All Users

To fetch all users in CloudBees CD.

Endpoint:

GET /rest/v1.0/users

Example cURL:

curl -X GET "https://cloudbees-cd-url/rest/v1.0/users" \

-u "admin:password"

Response Example:

{

"users": [

{"userName": "user1", "isLocal": false},

{"userName": "user2", "isLocal": false}

]

}

2.4 Create a New User

To add a new user to CloudBees CD.

Endpoint:

POST /rest/v1.0/users

Request Payload:

{

"userName": "user1",

"isLocal": false

}

Example cURL:

curl -X POST "https://cloudbees-cd-url/rest/v1.0/users" \

-H "Content-Type: application/json" \

-u "admin:password" \

-d '{

"userName": "user1",

"isLocal": false

}'

Response Example:

{

"userName": "user1",

"status": "created"

}

3. Process for Onboarding CloudBees CD into SIAM

Step 1: Role and Persona Creation in SIAM

- Create four Role Entitlements in SIAM corresponding to the CloudBees CD groups:

1. Administrator

2. Configuration Manager

3. ManagerRelease-Run

4. Developer

- Create Personas in SIAM for each role entitlement:

- CloudBees Admin Persona → Administrator

- CloudBees Config Persona → Configuration Manager

- Release Manager Persona → ManagerRelease-Run

- CloudBees Dev Persona → Developer

- Map the Role Entitlements to their respective Personas.

Step 2: Request Flow for Users

1. User Request:

- A user raises an RITM in SIAM specifying the required Persona.

2. Approval Process:

- The request goes through the defined SIAM approval workflow.

- Once approved, the user is ready to be added to the CloudBees CD group.

3. User Addition to CloudBees CD:

- Use the POST /users API to create the user (if the user doesn't exist).

- Add the user to the specified group using the Group Management APIs.

Step 3: Mapping Groups to Personas

Map the groups directly to Personas in the SIAM configuration:

| Persona | CloudBees CD Group |

|------------------------|--------------------------|

| CloudBees Admin Persona| Administrator |

| CloudBees Config Persona| Configuration Manager |

| Release Manager Persona| ManagerRelease-Run |

| CloudBees Dev Persona | Developer |

Step 4: Validation

- Verify the user appears in the correct group by fetching group details:

GET /rest/v1.0/groups/{groupName}

- Confirm the Persona assignment in SIAM.

- Validate access permissions by logging into the CloudBees CD application.

4. SIAM Workflow Summary

1. User raises an RITM for a Persona in SIAM.

2. The approver validates and approves the request.

3. SIAM Admin executes the following:

- Map the user to the correct Persona.

- Verify the corresponding group in CloudBees CD.

- Fetch User: Check if the user exists in CloudBees CD.

- Create User (if required): Use POST /users.

- Add User to Group: Map the user to the correct group.

4. Validation is performed to confirm the user’s access.

5. Monitoring and Maintenance

- Periodically audit group memberships using:

GET /rest/v1.0/groups/{groupName}

- Validate Persona assignments in SIAM.

- Use the GET /users API to clean up inactive users.