

Group Expansion Connector - Features

The Group Expansion connector will crawl and expand identities from the Identity Cache

Introduction

The Group Expansion connector can crawl and expand identities from the Identity Cache. The Identity Cache is part of the Aspire crawl state database. Typically, Elasticsearch is used as a repository for crawl state database and the Identity Cache is stored in the index aspire-identitycache. The Identity Cache works for connectors as a storage for their identities, like groups and users. For example, we can find in the Identity Cache: LDAP users and groups, Confluence users and groups etc. The purpose of the Group Expansion Connector is to crawl identities for required seeds, do group expansion and publish the expanded identities. The connector also supports custom mapping configuration for selected seeds.

What is group expansion

Let us use this example: if User1 is part of the group Grp1 and the group Grp1 is part of the group Grp0, then the result of the group expansion is updated information for User1. Instead of just having the group Grp1 in the user information, we will have now the list of 2 groups there: Grp1 and Grp0. This is what expanding groups means.

What is custom mapping

Some seeds require custom mapping for key attribute names. For example, we may need to map a username coming from Confluence connector to the standard AD name. We support two kinds of mapping:

- local: we can define which attribute name from the current identity should be used as an identity key.
- external: we can define the seed and mapping attributes to fetch identities for the purpose of mapping from. This would be typically LDAP/AD seeds.

Environment and Access Requirements

Repository Support

The Group Expansion connector crawls identities from the identity cache. The Identity Cache is part of the Aspire crawl state database. Typically, Elasticsearch is used as a repository for crawl state database and the Identity Cache is stored in the index aspire-identitycache.

Account Privileges

Not relevant here

Environment Requirements

No special requirements here

Framework and Connector Features

Framework Features

Name	Supported
Content Crawling	yes
Identity Crawling	no
Snapshot-based Incremental s	yes
Non-snapshot-based Incremental s	no
Document Hierarchy	no

Connector Features

The Group Expansion connector has the following features:

- Seeds filtering using include and exclude lists.
- Custom mapping configuration for selected seeds

Content Crawled

The Group Expansion connector can crawl the following objects:

Name	Type	Relevant Metadata	Content Fetch & Extraction	Description
Seed	container		NA	The identities are grouped by seeds, and we crawl identities belonging to seeds
Identity		<ul style="list-style-type: none">• key• source• groups	NA	The identities with expanded groups

Limitations

No limitations defined