

Seeds API

The seeds API provides functionality that allows a administrator to perform actions such as adding and configuring a seed to crawl, or beginning or stopping a crawl

Get all seeds

Lists all the seeds configured in the Aspire, this endpoint need the at least the **OPERATOR** role to be executed.

```
GET /aspire/_api/seeds
```

[Pagination query string parameters](#)

[Sorting query string parameters](#)

[Expand query string parameters](#): connector, workflows, connection, policies

Get all seeds, filtered

Lists seeds configured in the Aspire, filtered by a specified criteria, this endpoint need the at least the **OPERATOR** role to be executed.

```
POST /aspire/_api/seeds/getAll
```

[Pagination query string parameters](#)

[Sorting query string parameters](#)

[Expand query string parameters](#): connector, workflows, connection, policies

[Filters](#): The seed filter definition [here](#)

Response

```
{
  "count": {
    "totalItems": 1
  },
  "seed": [
    {
      "id": "b4adeb8c-3deb-4379-ad52-e2a8d219a84a",
      "type": "filesystem",
      "description": "pepoSeed",
      "connector": "16e901a5-75c7-4969-90d2-70ad299916f3",
      "seed": "Directory1",
      "priority": "medium",
      "checksum": "11dde01482437ccce0fc570b3041f05ede06d2be6ad8ff18e3a3119f58593a40",
      "crawl": {
        "manager": "manager_192.168.0.16:40505//AAABeOQLewo=",
        "mode": "full",
        "phase": "idle",
        "state": "completed",
        "start": 1618736207176,
        "end": 1618736273635
      },
      "connection": "98960f72-aab0-4ba1-a90e-b29d4e3c2c92",
      "workflows": "72022651-c2f4-45a9-9e18-2b0ace529cda"
    }
  ]
}
```

Status: 200

Get a single seed

Get information about a single seed configured in Aspire, this endpoint need the at least the **OPERATOR** role to be executed.

```
GET /aspire/_api/seeds/:id
```

[Expand query string parameters](#): connector, workflows, connection, policies

Path Parameters

Name	Type	Required	Description
id	string	Required	The id of the seed to return

Response

```
{
  "id": "b4adeb8c-3deb-4379-ad52-e2a8d219a84a",
  "type": "filesystem",
  "description": "pepoSeed",
  "connector": "16e901a5-75c7-4969-90d2-70ad299916f3",
  "seed": "Directory1",
  "priority": "medium",
  "checksum": "11dde01482437ccce0fc570b3041f05ede06d2be6ad8ff18e3a3119f58593a40",
  "crawl": {
    "manager": "manager_192.168.0.16:40505//AAABeQLewo=",
    "mode": "full",
    "phase": "idle",
    "state": "completed",
    "start": 1618736207176,
    "end": 1618736273635
  },
  "connection": "98960f72-aab0-4ba1-a90e-b29d4e3c2c92",
  "workflows": "72022651-c2f4-45a9-9e18-2b0ace529cda"
}
```

Status: 200, 404

Add seed(s)

Add seeds to Aspire, this endpoint need the at least the **ADMINISTRATOR** role to be executed.

```
POST /aspire/_api/seeds
```

Body Parameters

Name	Type	Required	Description
seed	string	Required	The url/path indicating the content to crawl
type	string	Required	The type of connector to use for this seed (may be omitted if <i>connector</i> is specified)
connector	string	Required	The identifier of the connector configuration to use for this seed (may be omitted if <i>type</i> is specified) - see Connectors API
description	string	Required	An description of the seed
connection	string	Required	a connection id - see Connections API
credential	string	Optional	An optional id of the credential to use for this seed - see Credentials API

throttlePolicy	string	Optional	a throttle policy id - see Policies API
routingPolicies	string	Optional	An optional list of the routing policy identifiers to use for this seed - see Policies API
deleteIncrementalPolicy	string	Optional	(from 5.0.2) A delete policy - see Policies API
workflows	string	Optional	An optional list of the workflow identifiers to use for this seed - see Workflow API
tags	string	Optional	An optional list of the tags to use for this seed
properties	object	Optional	Seed properties

Example

```
POST /aspire/_api/seeds
[
  {
    "seed": "\\Directory1",
    "connector": "connectorId",
    "connection": "connectionId",
    "type": "filesystem",
    "throttlePolicy": "throttlePolicyId",
    "routingPolicies": ["routingPolicyId1", "routingPolicyId2"],
    "deleteIncrementalPolicy": "deletePolicyId"
    ....
  },
  {
    "seed": "\\Directory2",
    "connector": "connectorId",
    "connection": "connectionId",
    "type": "filesystem",
    ....
    "routingPolicies": ["policy_1"],
    "workflows": ["workflow_1", "workflow_99"]
  }
]
```

Response

```
{
  "seed": [
    {
      "id": "5d0b35d5-c946-44e7-9be5-97c9ad9036a3",
      "connector": "accd3396-6004-47c9-80a6-d6ae283878f5",
      "seed": "c:\\testdata\\2500",
      "priority": "medium",
      "checksum": "5647E40827A6C09CBA868294BB437CE5",
      "crawl": {
        "phase": "idle",
        "state": "never"
      }
    },
    {
      "id": "5d0b35d5-c946-44e7-9be5-97c9ad9036a3",
      "connector": "connector_1",
      "description": "250,000 files",
      "credential": "cred_1",
      "throttlePolicy": "policy_1",
      "workflow": ["workflow_1", "workflow_99"]
      "seed": "c:\\testdata\\25000",
      "priority": "medium",
      "checksum": "5647E40827A6C09CBA868294BB437CE5",
      "crawl": {
        "phase": "idle",
        "state": "never"
      }
    }
  ],
  "properties": { This will be a dynamic JSON object }
}
```

See [Response Body](#) for details regarding the response body returned where multiple items are affected with some (or all) returning errors

Status: 201, 406

Update seed(s)

Update seeds in Aspire, this endpoint need the at least the **ADMINISTRATOR** role to be executed.

```
PUT /aspire/_api/seeds/:id
PUT /aspire/_api/seeds
```

Path Parameters

Name	Type	Required	Description
id	string	Required	The identifier of the seed to update

Body Parameters

Name	Type	Required	Description
id	string	Required	The identifier of the seed to update
description	string	x	A description
connector	string	x	The identifier of the connector configuration to use for this seed (may be omitted if type is specified) - see Connectors API
connection	string	x	a connection id - see Connections API
workflows	string	x	An optional list of the workflow identifiers to use for this seed - see Workflow API
tags	string	x	An optional list of the tags to use for this seed
throttlePolicy	string	x	a throttle policy id - see Policies API
routingPolicies	string	x	An optional list of the routing policy identifiers to use for this seed - see Policies API
deleteIncrementalPolicy	string	x	(from 5.0.2) a delete policy id - see Policies API
properties	object	x	Seed properties

x - at least one field must be present

Example for more seeds

```
PUT /aspire/_api/seeds
{
  "AAABcID5GBc=": {
    "id": "AAABcID5GBc=",
    "connector": "connector_2",
  },
  "AAABcIueWUc=": {
    "id": "AAABcIueWUc=",
    "connector": "connector_1",
    "description": "250,000 files",
    "routingPolicies": ["policy_1"],
    "workflows": ["workflow_1", "workflow_99"]
  }
}
```

Response

```
{ "seed": [{ "updated": true, "id": "AAABcID5GBc=" }, { "updated": true, "id": "AAABcID5GBd=" } ] }
```

See [Response Body](#) for details regarding the response body returned where multiple items are affected with some (or all) returning errors

Status: 200, 404, 406

Update seeds, filtered

Update connectors configured in the Aspire, filtered by a specified criteria, this endpoint need the at least the **ADMINISTRATOR** role to be executed.

```
PUT /aspire/_api/seeds/updateAll
```

Filters: The seed filter definition [here](#)

Update body parameter:

```
{
  "update" : {
    "description" : "DESCRIPTION"
    "connector" : "connectorId",
    "throttlePolicy" : "throttlePolicyId",
    "properties" : {},
    "connection" : "connection",
    "tags" : [ "TAG1", "TAG2", "TAG3", ... ],
    "tags.add" : [ "TAG1", "TAG2", "TAG3", ... ],
    "tags.remove" : [ "TAG1", "TAG2", "TAG3", ... ],
    "workflows" : [ "WORKFLOW_ID1", "WORKFLOWID2", "WORKFLOW_ID3", ... ],
    "workflows.add" : [ "WORKFLOW_ID1", "WORKFLOWID2", "WORKFLOW_ID3", ... ],
    "workflows.remove" : [ "WORKFLOW_ID1", "WORKFLOWID2", "WORKFLOW_ID3", ... ],
    "routingPolicies" : [ "RP_ID1", "RP_ID2", "RP_ID3", ... ],
    "routingPolicies.add" : [ "RP_ID1", "RP_ID2", "RP_ID3", ... ],
    "routingPolicies.remove" : [ "RP_ID1", "RP_ID2", "RP_ID3", ... ]
  }
}
```

```
{
  "message": "update result response message"
}
```

Status: 200, 406

Delete seed(s)

Delete one or more seeds from Aspire, this endpoint need the at least the **ADMINISTRATOR** role to be executed.

```
DELETE /aspire/_api/seeds/:id
DELETE /aspire/_api/seeds
POST /aspire/_api/seeds/delete
```

Path Parameters and query parameters

Name	Type	Required	Description
id	string	Required	The identifier(s) of the seed(s) to delete

Body parameters

Name	Type	Required	Description
ids	string	Required	The identifier(s) of the connector(s) to delete

Example

```
DELETE /aspire/_api/seeds/AAABcID5GBc

DELETE /aspire/_api/seeds?id=AAABcID5GBc&id=AAABcID5GBd

POST /aspire/_api/seeds/delete
{
  "ids": [ "AAABcID5GBc", "AAABcID5GBd" ]
}
```

Response

```
{
  "message": "delete result response message"
}
```

Status: 200, 404, 406

Delete multiple seeds, filtered

Delete multiple seeds from Aspire, filtered by a specified criteria, this endpoint need the at least the **ADMINISTRATOR** role to be executed.

```
POST /aspire/_api/seeds/deleteAll
```

Filters: The seed filter definition [here](#)

Response

```
{
  "message": "delete result response message"
}
```

Status: 200

Crawl control

Start, stop, pause and resume crawls of one or more seeds, this endpoint need the at least the **OPERATOR** role to be executed.

```
POST /aspire/_api/seeds/:id/control

POST /aspire/_api/seeds/control
```

Path Parameters

Name	Type	Required	Description
id	string	Required	The identifier(s) of the seed(s) to control

Query String Parameters

Name	Type	Required	Description
action	string	Optional	The action to perform: <ul style="list-style-type: none">• start• stop• pause• resume Defaults to <i>start</i> if not specified
type	string	Optional	The type of crawl to start: <ul style="list-style-type: none">• incremental• full• identity• reprocess (Aspire 5.3)• pushupdates (Aspire 5.3) Defaults to <i>incremental</i> if not specified

Body

Optionally, a [filter](#) can be added to specify which seeds to start

Examples

Starts an incremental crawl for a single seed

```
POST /aspire/_api/seeds/191283d9-183e-4820-8932-32b1fa07d2d5/control
```

Starts an full crawl for a single seed

```
POST /aspire/_api/seeds/191283d9-183e-4820-8932-32b1fa07d2d5/control?action=start&type=full
```

Reprocess only errored documents from the previous crawl

```
POST /aspire/_api/seeds/191283d9-183e-4820-8932-32b1fa07d2d5/control?action=start&type=reprocess
```

Pauses a crawl for a single seed

```
POST /aspire/_api/seeds/191283d9-183e-4820-8932-32b1fa07d2d5/control?action=pause
```

Starts a crawl for multiple seeds

```
POST /aspire/_api/seeds/control
[ {
  "id": "AAABcID5GBc="
},
{
  "id": "AAABcIueWUc="
}]
```

Starts a crawl for multiple seeds (alternative)

```
POST /aspire/_api/seeds/control
{
  "id": [ "AAABcID5GBc=", "AAABcIueWUc=" ]
}
```

Response

```
{
  "message": "optional response message"
}
```

Status: 200, 404, 406

Export seed(s)

Export one or more seed from Aspire, this endpoint needs at least the **OPERATOR** role to be executed.

```
GET /aspire/_api/seeds/export
GET /aspire/_api/seeds/export/:id
POST /aspire/_api/seeds/exportAll
```

Every configuration item has the option to export from the UI, using the single menu or by the bulk actions:

The screenshot shows the Aspire UI interface. On the left, a configuration item 'AlationSeedTest' is selected, and a dropdown menu is open showing options: 'Full crawl', 'Incremental crawl', 'Edit', 'Assign schedule', 'Clone', 'Export' (highlighted with a red underline), and 'Delete'. On the right, a table lists several configuration items, all of type 'Rest-api'. A bulk actions menu is open over the table, showing options: 'Update Tags', 'Update Workflows', 'Update Policies', 'Export' (highlighted with a red underline), and 'Delete Seed'. The table has a filter 'Type = rest-api' and a 'Type' column header.

Type
Rest-api
Rest-api
Rest-api
Rest-api
Rest-api
Rest-api
Rest-api
Rest-api

Something important that you need to know is that when you export a config item that depends on another, the export will contain also all the dependencies.

Take into consideration that components with resources loaded into elastic, will be exported, but the resource itself will not, so you will need to reupload the resource and go and select your resource in the component again.

Path Parameters and Query parameters

Name	Type	Required	Description
------	------	----------	-------------

id	string	Required	The identifier(s) of the seed(s) to export
----	--------	-----------------	--

Body Parameter

Name	Type	Required	Description
ids	string	Required	The identifier(s) of the seed(s) to export

Examples

```
GET /aspire/_api/seeds/export/AAABcID5GBc

DELETE /aspire/_api/seeds/export?id=AAABcID5GBc&id=AAABcID5GBd

POST /aspire/_api/seeds/export
{
  "ids":["AAABcID5GBc","AAABcID5GBd"]
}
```

Response

```
{
  "export": {
    "seeds": {
      "seed": [
        {
          "id": "<seed_id>",
          "type": "rest-api",
          "description": "REST",
          "connector": "<connector_id>",
          "seed": "N\\A",
          "priority": "medium",
          "checksum": "eb4b51659226093casdf3854sdf8f67e4f0de8217c0fd86ea565ce0",
          "connection": "<connection_id>",
          "properties": {
            "seed": "N\\A",
            "crawlRules": [
              {
                "conditionalScript": false,
                "entityType": "root",
                "shouldStop": false,
                ...
              }
            ],
            "stopOnScannerError": true
          }
        },
        ...
      ]
    },
    "connectors": {
      "connector": [
        {
          "id": "<connector_id>",
          "artifact": "com.accenture.aspire:aspire-rest-source",
          "type": "rest-api",
          "description": "RestConnector",
          "properties": {
            "debug": false,
            "wDebug": false,
            ...
          },
          "checksum": "82a70c88cbfa46dfd79d6430bfesdf5646c13089604fb609831f16f"
        },
        ...
      ]
    }
  }
}
```

```

    ...
  ],
  "credentials": {
    "credential": [
      {
        "id": "<credential_id>",
        "type": "rest-api",
        "description": "RestCredentials",
        "properties": {
          "type": "bearer",
          "query": {
            ...
          }
        }
      },
      ...
    ],
    ...
  ],
  "connections": {
    "connection": [
      {
        "id": "<connection_id>",
        "type": "rest-api",
        "description": "RestConnection",
        "credential": "<credential_id>",
        "properties": {
          "maxRetries": 3,
          "useThrottling": false,
          "throttling": "throttling_false",
          "useProxy": false,
          "proxy": "proxy_false",
          "trustAllCertificates": false,
          ...
        }
      },
      ...
    ],
    ...
  ],
  "policies": {
    "policy": [
      {
        "id": "<policy_id>",
        "type": "throttle",
        "description": "pT",
        "period": "day",
        "value": 1
      },
      ...
    ],
    ...
  ],
  "schedules": {
    "schedule": [
      {
        "id": "<schedule_id>",
        "type": "time",
        "description": "test",
        "enabled": "false",
        "scheduleTimeType": "daily",
        "stopOnFail": false,
        "schedule": "0 0 0 1\ /1 * ?",
        "after": null,
        "seeds": "<seed_id>",
        "crawlMode": "full",
        "completeThreshold": 1.0,
        "action": "pause"
      },
      ...
    ],
    ...
  ],
  "workflows": {

```

```

"workflow": [
  {
    "id": "<workflow_id>",
    "type": "connector",
    "description": "myWorkFlow",
    "checksum": "dc7d632e4fac3aed7404d2c260sd3f54eea266f9fd4af73b6251d6cb",
    "templates": {
      ...
    },
    "events": {
      "event": [
        ...
      ]
    },
    "rules": {
      "rule": [
        ...
      ]
    }
  },
  ...
]
}
}

```

Status: 200, 404, 406

Export multiple seeds, filtered

Export multiple seeds from Aspire, filtered by a specified criteria, this endpoint needs at least the **OPERATOR** role to be executed.

```
POST /aspire/_api/seeds/exportAll
```

Filters: The connection filter definition [here](#)

Response

```

{
  "export": {
    "seeds": {
      "seed": [
        {
          "id": "<seed_id>",
          "type": "rest-api",
          "description": "REST",
          "connector": "<connector_id>",
          "seed": "N\\A",
          "priority": "medium",
          "checksum": "eb4b51659226093casdf3854sdf8f67e4f0de8217c0fd86ea565ce0",
          "connection": "<connection_id>",
          "properties": {
            "seed": "N\\A",
            "crawlRules": [
              {
                "conditionalScript": false,
                "entityType": "root",
                "shouldStop": false,
                ...
              }
            ]
          },
          "stopOnScannerError": true
        },
        ...
      ]
    }
  },
  ...
}

```

```
"connectors": {
  "connector": [
    {
      "id": "<connector_id>",
      "artifact": "com.accenture.aspire:aspire-rest-source",
      "type": "rest-api",
      "description": "RestConnector",
      "properties": {
        "debug": false,
        "wDebug": false,
        ...
      },
      "checksum": "82a70c88cbfa46dfd79d6430bfesdf5646c13089604fb609831f16f"
    },
    ...
  ]
},
"credentials": {
  "credential": [
    {
      "id": "<credential_id>",
      "type": "rest-api",
      "description": "RestCredentials",
      "properties": {
        "type": "bearer",
        "query": {
          ...
        }
      }
    },
    ...
  ]
},
"connections": {
  "connection": [
    {
      "id": "<connection_id>",
      "type": "rest-api",
      "description": "RestConnection",
      "credential": "<credential_id>",
      "properties": {
        "maxRetries": 3,
        "useThrottling": false,
        "throttling": "throttling_false",
        "useProxy": false,
        "proxy": "proxy_false",
        "trustAllCertificates": false,
        ...
      }
    },
    ...
  ]
},
"policies": {
  "policy": [
    {
      "id": "<policy_id>",
      "type": "throttle",
      "description": "pT",
      "period": "day",
      "value": 1
    },
    ...
  ]
},
"schedules": {
  "schedule": [
    {
      "id": "<schedule_id>",
      "type": "time",
      "description": "test",
    }
  ]
}
```

```

        "enabled": "false",
        "scheduleTimeType": "daily",
        "stopOnFail": false,
        "schedule": "0 0 0 1\1 * ?",
        "after": null,
        "seeds": "<seed_id>",
        "crawlMode": "full",
        "completeThreshold": 1.0,
        "action": "pause"
    },
    ...
]
},
"workflows": {
    "workflow": [
        {
            "id": "<workflow_id>",
            "type": "connector",
            "description": "myWorkFlow",
            "checksum": "dc7d632e4fac3aed7404d2c260sd3f54eea266f9fd4af73b6251d6cb",
            "templates": {
                ...
            },
            "events": {
                "event": [
                    ...
                ]
            },
            "rules": {
                "rule": [
                    ...
                ]
            }
        },
        ...
    ]
}
}
}

```

Status: 200

Import

The import usage can be found [here](#)

Filters

Some endpoint queries require a filter. A filter is basically a JSON object with the following format:

Seed filter:

```
{
  "filter" : {
    "ids" : ["ID1", "ID2", "ID3", ...],
    "type" : "TYPE",
    "description" : "DESCRIPTION",
    "state" : "state",
    "connection" : "connection",
    "tags" : ["TAG1", "TAG2", "TAG3", ...],
    "workflows" : ["WORKFLOW_ID1", "WORKFLOWID2", "WORKFLOW_ID3", ...]
  }
}
```