



RELEASE NOTES

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# Nuix Discover 10.2 Quarterly Release Notes [OP]



## Nuix Discover 10.2: Quarterly Release Notes (OP)

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This document provides an overview of the major new or updated features available to on-premises clients in this quarterly release. The quarterly release covers versions 10.0.011 – 10.2.010.

### What's new for end users

The following new or updated features are available to end users.

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**Note:** Your administrator must enable some of these features.

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#### Translate: New and updated source languages

The Translate feature now includes additional source language options, for example, **Irish** and **Punjabi**, when translating with **Microsoft**.

Some of the source language options for **Google** were renamed. For example, **Portuguese** was renamed to **Portuguese [Portugal, Brazil]**.

These new or updated source language options are available in the **Translate** workspace pane and the **Tools > Translate** dialog box.

#### Coding History for fields updated by import jobs

The Coding History feature now captures audit records for field values that are updated by import jobs for existing document records.

The Coding History pane will include the following information:

- The updated field value.
- The user who created the import job as well as the date and time of the import job.
- The previously coded value that was changed.
- The user who applied the coding as well as the date and time of the previous coding.

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**Note:** Your administrator must grant you read access to these fields so that they appear in the Coding History pane.

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## What's new for case administrators

The following new or updated features are available to administrators in this release.

### Analysis: Predictive Coding Templates link on Case Home page

A link to the **Predictive Coding Templates** page is now available under **Analysis** on the **Case Home** page.

### Imports: Run indexing and enrichment using an import job

The **Imports** feature now allows you to request an indexing and enrichment job after an import job completes. On the **Case Home > Manage Documents > Imports** page, the **Import Details** page contains an option to **Run indexing and enrichment**, as shown in the following figure.

The screenshot shows the 'Import' form with a sidebar on the left containing the following menu items: Import Details, Load File, Source Files, Existing Documents, Fields, Field Map, Field Trumping Or..., Annotation Map, and Schedule. The main form area includes:

- \* Job type**: A dropdown menu with 'Ringtail - MDB' selected.
- \* Name**: A text input field with a clear button (X).
- Description**: A large text area.
- Duplicates**: Two checkboxes:
  - Update group coding fields ⓘ
  - Run indexing and enrichment ⓘ ← (highlighted with an orange arrow)
- Date format ⓘ**: A dropdown menu with 'Month - Day' selected.

At the bottom right of the form are two buttons: 'Next' (in blue) and 'Cancel' (in dark grey).

Selecting this option will run an indexing and enrichment job immediately after an import job completes. After adding a new import job, you can verify the selection of this option by clicking on the **Import ID** for that job and looking under the **Import Details** section of the **Properties** page, as shown in the following figure. The **Run Indexing and Enrichment** property indicates **Yes** if selected, or **No** if not selected.

Properties	
Errors (0)	Images and Natives (1)
<b>Import Details</b>	
<b>Description</b>	
<b>Started</b>	10/20/2016 11:28 AM
<b>Duration</b>	31m 34s
<b>RPF Job ID</b>	1397
<b>Status</b>	Completed
<b>Test import</b>	No
<b>Duplicate coding</b>	No
<b>Suppress duplicates</b>	No
<b>Run Indexing and Enrichment</b>	No ←

### Imports: Delete data from S3 bucket after completing import jobs

If files in an import job are copied from S3, the application deletes the files that were in the S3 bucket once the import job has successfully completed.



## Ingestions: Nuix Engine upgrade to version 8.4.3

The Ingestions feature in Nuix Discover for Windows and Linux now uses the Nuix Engine version 8.4.3. This upgrade includes the following improvements:

- Handling of OneNote files is improved. More content and attachments are extracted from OneNote data.
- Support added for HEIC/HEIF file formats.
- CAD drawing attachments are no longer treated as immaterial.
- General improvements made to processing EnCase L01 files.
- Differences in MD5 hash values between emails collected from Office 365 and emails from other sources due to sender address differences no longer occur.

Nuix Engine 8.4.3 requires an upgrade of the Nuix Management Server [NMS]. To retrieve a copy of the NMS version 8.4 for installation, paste the following link into a browser: <https://download.nuix.com/releases/server>. Then, log in to the Nuix Customer Portal.

To access all Nuix Workstation 8.4 documentation, paste the following link into a browser: [http://download.nuix.com/nuix\\_workstation\\_suite](http://download.nuix.com/nuix_workstation_suite). Then, log in to the Nuix Customer Portal.

## Ingestions: New system fields for ingestions

We have added the following three system fields to the Ingestions feature:

- **[Meta] Message Class:** The message class MAPI property for email files. By default, this field is checked on the Customize Fields page in the Advanced Settings window for ingestions.
- **[Meta] PDF Properties:** Extracted properties specific to PDF files. Most files will have multiple properties. Each value in this field has the name of the property followed by the value for that property. By default, this field is checked on the Customize Fields page in the Advanced Settings window for ingestions.
- **[Meta] Transport Message Headers:** The message header for email files. By default, this field is unchecked on the Customize Fields page in the Advanced Settings window for ingestions.

## Ingestions: Add error message information for corrupt documents

When the application encounters an ingestions error because of a corrupt document, information about that error appears in the **[RT] Ingestion Detail** field.

## Load File Templates: Add new fields to the Variable builder for Load file templates

The following two new expressions are available as options for load file template field values: **Attach Count** and **Attach Filenames**. These options are available for both general and production load file templates.

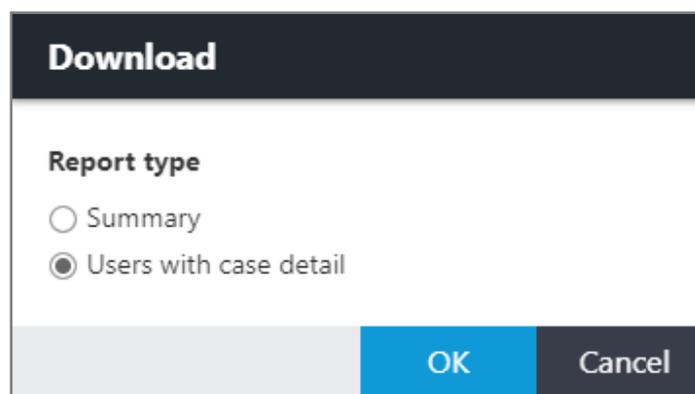
- The **Attach Count** expression returns the number of immediate attachments associated with a parent document. If there are no immediate attachments, no value is returned in the field.
- The **Attach Filenames** expression lists the file names for immediate attachments associated with a parent document. The file name values are from the [Meta] File Name field. If there are no immediate attachments, no value is returned in the field.

## What's new for portal and system administrators

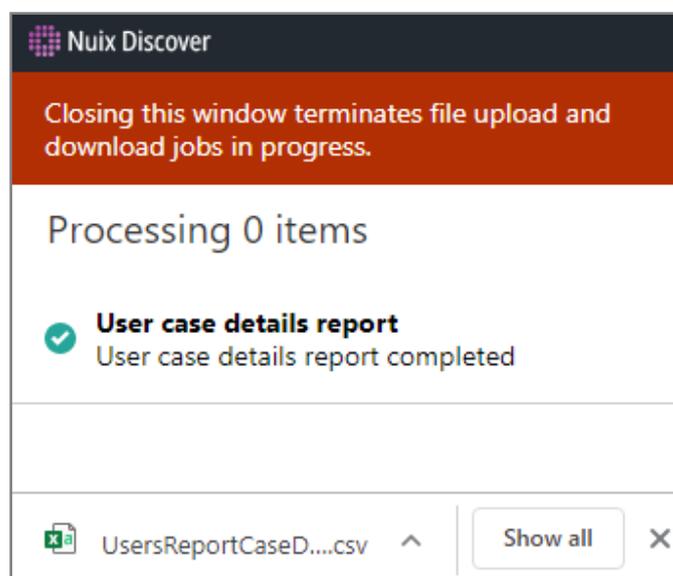
The following new or updated features are available to portal or system administrators.

### Portal Management > User Administration: Download report with case details

When you click the **Download report** button to download a report of users on the **Portal Management > User Administration > Users** page, a new option named **Users with case detail** is now available in the **Download** dialog box, as shown in the following figure.



After you click **OK** in the **Download** dialog box, a processing window appears, as shown in the following figure. Leave this window open until the report generation is complete.



## Portal Management > Organizations: Set default file repositories

System administrators can now set default file repositories for an organization on the organization's **Properties** page, as shown in the following figure.

The screenshot shows the 'Discover' Properties page. On the left is a navigation menu with options: Cases, Users, File Repositories, Servers, Content: File Type Rank, Indexing: Options, Indexing: Noise Words, Indexing: Alpha Standard, and Indexing: Alpha Extend... The main content area is titled 'Properties' and contains several configuration fields:

- \* Name:** A text input field containing 'Discover'.
- Enable organization as a provider ⓘ
- Client of provider:** A dropdown menu with 'Select' selected.
- Default IP address rule ⓘ:** A dropdown menu with 'No Rule' selected.
- Default identity provider ⓘ:** A dropdown menu with 'No identity provider' selected.
- Account number:** A text input field.
- Use case finalization ⓘ

The **File repositories** section is highlighted with an orange border and contains five dropdown menus:

- Image:** A dropdown menu.
- Index file:** A dropdown menu.
- File transfer:** A dropdown menu.
- Archive:** A dropdown menu.
- External:** A dropdown menu.

**Note:** The lists do not populate by default. The options in the lists include the file repositories that appear on the **File Repositories** page for an organization.

The options in this list include:

- **Image:** Image or Index repositories
- **Index file:** Image or Index repositories
- **File transfer:** Image or Index repositories
- **Archive:** Archive repositories
- **External:** External repositories

The following three new columns now appear on the **File Repositories** page for an organization, as shown in the following figure.

<input type="checkbox"/>	Name	Location	Default repository for	Archive	External
<input type="checkbox"/>	Archive	\\ued086cifclt001.rtdev.nuix.c...		•	
<input type="checkbox"/>	File Transfer	\\ued086cifclt001.rtdev.nuix.c...			
<input type="checkbox"/>	Primary	\\ued086cifrtl001.rtdev.nuix.co...			

- **Default repository for:**
  - If a file repository is the default repository, the values for indexes or images appear in this column.

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**Note:** If a file repository is not linked to an organization, the default repository value does not appear on the **Properties** page for the organization.

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- **Archive:** If the file repository is the default file repository, a dot appears in the **Archive** column.
- **External:** If the file repository is an external file repository, a dot appears in the **External** column.

## Portal Management > Organizations: Set default servers

System administrators can now set default servers for an organization on the **Properties** page, as shown in the following figure.

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**Note:** The lists do not populate by default. The options in these lists include the servers that appear on the **Servers** page for an organization.

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**Servers**

**Database server**

**Analysis server**

- **Database server:** Database servers that you have permission to access.
- **Analysis server:** Analysis servers that you have permission to access.



A new **Default** column appears on the **Servers** page for an organization, as shown in the following figure. If a server is a default server, a dot appears in the **Default** column.

**Note:** If no servers are linked to the organization, this information does not appear on the **Properties** page for an organization.

The screenshot shows the 'Discover' page with a navigation breadcrumb: Home > Organizations > Discover. A sidebar on the left contains menu items: Properties, Cases, Users, File Repositories, and Servers. The main content area displays a table with the following data:

<input type="checkbox"/>	Name	Type	Location	Default
<input type="checkbox"/>	Analysis	Analysis	UED085MAISQL...	
<input type="checkbox"/>	Case DB	Database	UED085MAISQL...	
<input type="checkbox"/>	PortalDB	Database	UED085MAISQL...	

### Portal Management > Processing > Supervisors: Logs page for RPF supervisors

A new **Logs** page is available in the navigation pane on the supervisor **Properties** page, as shown in the following figure.

To access this page, from the **Portal Home** page, go to **Portal Management > Processing > Supervisors** and select a supervisor in the list. The **Logs** page displays log information about the supervisor, which can help you identify error messages that may not otherwise appear in the interface.

You can also download a log for a supervisor. The log includes error and info messages.

To download a log to a .csv format, on the **Logs** page for a Supervisor, click the **Download logs** button.

The screenshot shows the 'ALLINONE' supervisor logs page. The breadcrumb is: Home > Processing > Supervisors > ALLINONE. A 'Download logs' button with a download icon is visible in the top right. The main content area displays a table of logs:

Date	Log Level	Message
2/24/2020 3:09 PM	Error	Unhandled exception: Failed ...
2/21/2020 8:04 PM	Error	Unhandled exception: Unable...
2/20/2020 3:03 PM	Error	Unhandled exception: Failed ...
2/20/2020 12:02 PM	Info	Waiting for 0 active workers t...
2/20/2020 12:02 PM	Info	Going offline because the RP...



## What's new for developers

The following new features are available to developers.

### Connect API Explorer > Import API: Transfer files from S3 in createImportJob mutation

The createImportJobmutation now contains parameters to transfer files from S3.

- **Name:** fileTransferLocation
- **Valid values:** AmazonS3 or Windows
- **Required:** No
- **Default:** Windows

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**Note:** The default is **Windows**. When selecting **Windows**, the files copy from the file repository designated for **Images** under the **import\<case name>** folder. When selecting **AmazonS3**, this mutation returns information needed to access the S3 bucket.

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These Optionsparameters will allow you to request transfer of the following S3 return values within the fileTransferLocationInformationparameter:

- accessKey
- secretAccessKey
- token
- repositoryType
- regionEndpoint
- bucketName
- rootPrefix
- expiration

---

**Note:** When the fileTransferLocationis AmazonS3, the mutation copies the files from the Amazon S3 bucket and folder created for the job rather than from the import folder on the agent.

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The following is an example of how to use these parameters.



Sample mutation:

```
mutation {
  createImportJob (
    caseId:26,
    options:
    {
      level:"Imports",
      docsPerLevel:1000,
      updateGroupCoding:True,
      fileTransferLocation:AmazonS3
    }
  )
  {
    rdxJobId
    fileTransferLocationInfo
    {
      accessKey
      secretAccessKey
      token
      repositoryType
      regionEndpoint
      bucketName
      rootPrefix
      expiration
    }
  }
}
```

Sample returned data:

```
{
  "data": {
    "createImportJob": {
      "rdxJobId": 1040,
      "temporaryFileTransferLocationConnectInfo": {
        "accessKey": "AEK_AccessKeyId",
        "secretAccessKey": "AEK_SecretAccessKey",
        "token": "AEK_SessionToken",
        "repositoryType": "AmazonS3",
        "regionEndpoint": "AEK_Region",
        "bucketName": "AEK_Bucket",
        "rootPrefix": "AEK_JobPrefix",
        "expiration": "2019-11-27T07:04:29.601994Z"
      }
    }
  }
}
```



## Connect API Explorer > Import API: Assign sequential document IDs in an import job

The createImportJobmutation now contains parameters for assigning sequential document ID values for documents in the job.

- **Name:** documentIdFormat
- **Valid values:** Sequential or Existing
- **Required:** No
- **Default:** Existing

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**Note:** Use a value of **Sequential** to have the application reassign document ID values for the documents within this import. Assignment of document IDs uses the provided prefix beginning with the next available document ID number matching that prefix and incrementing by 1 for each document.

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- **Name:** documentIdPrefix
- **Type:** String
- **Required:** No

---

**Note:** This is static text that appears at the beginning of each document ID only when using Sequential for the documentIdFormat option. If you do not provide this option, the application will use the document ID prefix setting from the **Ingestions** default settings.

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When the documentIdFormat option is **Sequential**, the job generates a new document ID for all documents within the job. The generated ID will consist of a prefix from documentIdPrefix and a number value padded to nine digits beginning with the next available number in the case with the same prefix.

Document source and attachment relationships generate using the references in parentId based on the provided document ID values. If using sequential renumbering, document source and attachment relationships will generate only based on the parentId references within this job. Documents will not attach to prior existing documents.

If the document contains only one page, the page label will match the document ID. For documents containing multiple pages, the page labels update as DocID-00001, DocID-00002, DocID-00003, consecutively to the last page.

For files that are in pages, the page file name will match the existing page label such as DocID-00001.tif, DocID-00002.tif, and so on. For files not in pages, the file is named after the document ID, like DocID.xls.

The following is an example of how to use these parameters.



Sample mutation:

```
mutation {  
  createImportJob (  
    caseId:26,  
    options:  
    {  
      level:"Imports",  
      docsPerLevel:1000,  
      updateGroupCoding:True,  
      documentIdFormat:Sequential,  
      documentIdPrefix:"Doc_"  
    }  
  )  
  {  
    rdxJobId  
  }  
}
```



## Connect API Explorer: Query assignment data for report generation

The Connect API Explorer allows you to gather assignment data to generate reports that can show process workflows, phases, and user assignments.

The following lists the available fields for an assignment object query:

- id
- status: Object that extracts the following values:
  - Unassigned
  - Active
  - Suspended
  - Cleared
  - Deleted
  - Revoked
- workflow: Object to extract the following field data:
  - description
  - id
  - name
  - phases
- phases: Object to extract the following field data:
  - documentsPerAssignment
  - id
  - locked
  - name
  - parentId
  - parentPhaseName
  - quickCode
  - validationCriteriaName
- lot: Object to extract the following field data:
  - id
  - name
- name
- user
- assignedDate
- clearedDate
- createdDate
- clear
- total



Sample query:

```
query {  
  cases (id: 5) {  
    reviewSetup {  
      workflows (id: 7) {  
        phases (id: 10) {  
          id  
        }  
      }  
      assignments (id: 8) {  
        id  
      }  
    }  
  }  
}
```



## Connect API Explorer: Clone cases using caseClone mutation

The caseClone mutation allows you to quickly create new cases without having to use the Nuix Discover UI. The following describes the mutation acceptance criteria.

Required fields:

- caseName
- organizationId: Used to identify an organization's default template used for cloning.

Optional fields:

- sourceCaseId: Data based on a user's organization. If the sourceCaseId is missing and there is a selected default template, the mutation uses the organization's default template case. If the sourceCaseId is missing and there is no default template selected, the application returns the following message: **A sourceCaseId must be included in this mutation when an organization does not have a default template case.**
- Description
- scheduleMetricsJob = true[default]: If true, schedule is set to Monthly on day 31 at 11:00 PM.

The following lists the non-configurable fields that inherit the organization's default or have a hard-coded default:

- active = true [default]
- clearData = true[default]
- databaseServerId
- imageRepositoryId
- indexRepositoryId
- fileTransferRepositoryId
- analysisServerId
- archiveRepositoryId
- externalRepositoryId

The following lists examples of some of the available result fields for use in the caseClone mutation:

- processingStatus: Object that extracts the following case processing status:
  - Failure
  - Pending
  - Queued
  - Succeeded
  - SucceededWithWarnings
- processingType: Object that extracts the following case processing type:
  - Clone
  - Connect
  - Create
  - Decommission
  - DeleteDecommissionCase
  - Edit
  - Recommission

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**Note:** This mutation does not support the process of setting the case metrics schedule to [daily [time]], [Weekly [week day, time]], [monthly[day, time]].

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Sample mutation query with defaults:

```
mutation clone {
  caseClone (input: {
    organizationId: 1,
    sourceCaseId: 2,
    caseName: "My new clone"
  }) {
    case {
      id
    }
  }
}
```

Sample mutation query with options:

```
mutation clone {
  caseClone (input: {
    organizationId: 1,
    sourceCaseId: 2,
    caseName: "My new clone"
    description: "This is my cloned case",
    scheduleMetricsJob: true
  }) {
    case {
      id
    }
  }
}
```



## Connect API Explorer: userUpdate mutation for administration tasks

The Connect API Explorer userUpdate mutation allows administrators to perform updates to multiple user accounts simultaneously. When building this mutation, you must include the `userId` field to identify the user accounts.

Optional fields:

- `firstName`
- `lastName`
- `email`
- `companyId`
- `identityProviderId`
- `portalCategory`
- `disabled`
- `requirePasswordChange`: Previously named `forceReset`
- `licenses`
- `password`
- `addToActiveDirectory`
- `forceResetChallengeQuestions`

---

**Important:** When passing a field value that is blank, the mutation will remove the field. For example, the mutation will remove the `disabled` field if you enter `disabled: ""`. When entering new values for either the `firstName` or `lastName`, the mutation updates the entire name.

---

Sample mutation:

```
mutation {
  userUpdate(input: [
    {userId: 200, firstName: "Fred", lastName: "Doo"},
    {userId: 1, firstName: "Velma"},
    {userId: 1, lastName: "Doo"}
  ]) {
    users {
      id
      fullName
    }
  }
}
```



## Connect API Explorer: New userAdd mutation

The new mutation userAdd allows the addition of new user accounts using the API. The following lists the accepted input data for this mutation:

- firstName: Required data.
- lastName: Required data.
- username: Required data.
- password: Required data.
- email
- licenses: Default is **Yes**.
- forceReset: Default is **Yes**.
- portalCategory: Required and follows the same rules as in the user interface [UI] of what the user passing in the mutation can assign.
- organizationID: Follows the same rules as in the UI of what the user passing in the mutation can assign.
- companyID
- addToActiveDirectory: Required and default is **Yes**.

The following is an example of how to use this mutation.

Sample Mutation:

```
mutation newuser {
  userAdd(input: {firstName: "new", lastName: "user", userName: "newuser",
    password: "Qwerty12345", email: "newuser@user.com", forceReset: false,
    portalCategory: PortalAdministrator, licenses: 1, addToActiveDirectory:
    true}) {
    users {
      id
      organizations {
        name
        id
        accountNumber
      }
      identityProvider
      userName
      fullName
      companyName
    }
  }
}
```



## Connect API Explorer: New userDelete mutation

The new mutation userDelete allows the deletion of user accounts using the API so that you can integrate your user management application with Nuix Discover. The following lists the accepted input data for this mutation:

- If all users exist, executing the userDelete mutation with single or multiple userid values will delete all specified users.
- If some users do not exist, executing the userDelete mutation with single or multiple userid values will delete the specified valid users. In return, the user id values as null.
- If no users exist, executing the userDelete mutation with single or multiple userid values will return the user id values as null.

### Fields:

- userID: An integer that identifies the user in the portal.

The following is an example of how to use this mutation.

### Sample Mutation:

```
mutation userDelete {  
  userDelete(input: {userId: [231]}) {  
    users {  
      id  
    }  
  }  
}
```



## Connect API Explorer: Cross organization cloning using caseClone mutation

The mutation caseClonew allows the cloning of organizations without using the UI Extensions. The following is the acceptance criteria when using this process:

### Required Fields:

- caseName: Required data.
- organizationId: Required data.
- sourceCaseId: Optional data with defaults based on user's organization.
  - When not included, the mutation will use the organization's default casetemplate.
  - When not included and there is no default case template, the mutation uses the portaldefault case template.
  - When not included and there is no default case template or a portal case template, the application returns the following message: **A sourceCaseId must be included in this mutation when the portal and organization do not have a default templatecase.**
- description: Optional data.
- scheduleMetricsJob = true[default]: Optional data. If true, schedule is set to Monthly on day 31 at 11:00 PM.
  - The mutation does not support setting the case metrics schedule as [daily [time]], [Weekly [week day, time]], [monthly[day, time]].

The following are non-configurable fields and inherit the organization defaults or have a hard-coded default:

- active = true[default]
- clearData = true[default]
- databaseServerId
- imageRepositoryId
- indexRepositoryId
- fileTransferRepositoryId
- analysisServerId
- archiveRepositoryId
- externalRepositoryId

The following is an example of how to use these defaults and options.



Sample mutation with defaults:

```
mutation clone {
  caseClone(input: {
    sourceCaseId: 1,
    caseName: "My new cloned case"
  }) {
    case {
      id
    }
  }
}
```

Sample mutation with options:

```
mutation clone {
  caseClone(input: {
    organizationId: 11,
    sourceCaseId: 12,
    caseName: "My new cloned case",
    description: "This case is described",
    scheduleMetricsJob: true
  }) {
    case {
      id
    }
  }
}
```

Sample mutation query with defaults:

```
mutation clone {
  caseClone(input: {
    organizationId: 1,
    sourceCaseId: 2,
    caseName: "My new clone"
  }) {
    case {
      id
    }
  }
}
```



#### Sample mutation query with options

```
mutation clone {  
  caseClone (input: {  
    organizationId: 1,  
    sourceCaseId: 2,  
    caseName: "My new clone"  
    description: "This is my cloned case",  
    scheduleMetricsJob: true  
  }) {  
    case {  
      id  
    }  
  }  
}
```



## Deployment notes

Please review the following deployment notes.

### Nuix Discover support lifecycle for Microsoft Windows Server and Microsoft SQL Server

The Nuix Discover support lifecycle for Microsoft products is communicated at the beginning of each year.

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**Note:** For additional information about the Microsoft Lifecycle Policy, go to <https://support.microsoft.com/en-us/lifecycle/search>.

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The general support policy for Microsoft Windows Server and Microsoft SQL Server for Nuix Discover quarterly on-premises releases is as follows:

- Nuix Discover will support two versions of Microsoft Windows Server and Microsoft SQL Server for each release.
- Within one year of a newly released version of Microsoft Windows Server or Microsoft SQL Server, those versions will be supported by Nuix Discover.
- Once Microsoft ends mainstream support for a version of Microsoft Windows Server or Microsoft SQL Server, those versions will no longer be supported by Nuix Discover.
- A 12-month notice of support retirement will be communicated with each quarterly on-premises release.

As of the Nuix Discover 10.2 quarterly release to on-premises clients, the following Microsoft products are supported:

- Microsoft Windows Server Operating System
  - Microsoft Windows Server 2012 R2
  - Microsoft Windows Server 2016
  - Microsoft Windows Server 2019
- Microsoft SQL Server
  - Microsoft SQL Server 2016 Standard SP2
  - Microsoft SQL Server 2017 Standard w/CU5 [14.0.3023.8 or higher]

#### End-of-support notice

Microsoft Windows Server 2012 R2 will no longer be supported as of the 10.6 quarterly on-premises release.

### User audit migration service is integrated into Nuix Discover

As of the 10.2 quarterly release, the standalone user audit migration service is removed. The service is now integrated into the Nuix Discover code.

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**Note:** Additional information will be provided in the 10.2 system documentation.

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As part of the integration, the following portal setting was removed: **User audit migration service URL**.

The **User audit log service URL** setting is still available to system administrators. When this setting has a value, the **Portal Management > Cases and Servers > Coding History** page is visible.